



3.5.1: Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years

Content

| Sr. no. | File Description | Documents |
|---------|--|-------------------------------|
| 1 | Summary of the functional MoUs/Linkage/ Collaborations indicating start date, end date, nature of collaboration etc. | View Document |
| 2 | List of Year wise activities and exchange | View Document |
| 3 | List and Copies of document indicating the functional MoUs/ linkage /Collaborations activity-wise and year-wise | View Document |



1. Summary of the functional MoUs/Linkage/ Collaborations indicating start date, end date, nature of collaboration etc.

| | | |
|---|--|---|
|  | <p>Progressive Education Society's MODERN COLLEGE OF PHARMACY Accredited by NAAC Best College Award by Savitribai Phule Pune University</p> |  |
| <p>Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi, Directorate of Technical Education, Mumbai (MS), Permanently Affiliated to Savitribai Phule Pune University, Pune & Approved under Section 2 (f) & 12 (B) of UGC Act, 1956 Section No.21, Yamunanagar, Nigdi, Pune-411 044, (M.S.) Tel.: 020-27661315 Fax: 020-27661314 E-mail: mcpnigdi44@gmail.com Website: www.mcp.org.in</p> | | |
| <p>Prof. Dr. P. D. Chaudhari M.Pharm., Ph.D. Principal</p> | | <p>Prof. Dr. G. R. Ekbote M.S., M.N.A.M.S. Chairman, Business Council</p> |

Summary of the functional MoUs/ Linkage/Collaborations

MoUs/Linkage/Collaborations are carried out in two different categories-

- I) Industry Collaborations : 19
- II) Academic Collaborations: 10

Total MOU: 29




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

STRIVING TOWARDS EXCELLENCE FOREVER



Progressive Education Society's MODERN COLLEGE OF PHARMACY

Accredited by NAAC

Best College Award by Savitribai Phule Pune University



Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently Affiliated to
Savitribai Phule Pune University, Pune & Approved under Section 2 (f) & 12 (B) of UGC Act, 1956

Section No.21, Yamunanagar, Nigdi, Pune-411 044. (M.S.) Tel : 020-27661315 Fax: 020-27661314
E-mail : mcpnigdi44@gmail.com Website : www.mcop.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal


Prof. Dr. G. R. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council

| Sr. No. | Name of collaborating Industry/academic Institution | Start Date | End Date | Nature of Collaboration |
|---------|--|------------|------------|-------------------------|
| 1 | Knoweasy, E-Learning providers , Online Platform, Pimpri, Pune | 05/04/2023 | 04/04/2024 | MOU |
| 2 | Rao Nursing Home, Pune | 01/02/2023 | 31/01/2028 | MOU |
| 3 | Indrayani hospital and cancer Institute, Pune | 21/12/2022 | 30/11/2023 | MOU |
| 4 | MAGS IATRC Research & Training Pvt Ltd, Pune | 15/09/2022 | 14/09/2032 | MOU |
| 5 | Passiflora Laboratories Private Limited, Pune | 01/07/2022 | 30/06/2032 | MOU |
| 6 | Chakan Life Sciences Private Limited, Pune | 01/07/2022 | 30/06/2032 | MOU |
| 7 | Intellectual Property Intellect Services (IPIS), Pune | 18/05/2022 | 17/05/2027 | MOU |
| 8 | Operant Pharmacy Federation, Rajasthan | 17/05/2022 | 16/05/2027 | MOU |
| 9 | Crystal Biological Solutions, Pune | 15/04/2022 | 14/04/2032 | MOU |
| 10 | Skill academy by textbook, Navi Mumbai | 30/03/2022 | 29/03/2023 | MOU |
| 11 | Pursullence GBS LLP, Pune | 25/11/2021 | 24/11/2026 | MOU |
| 12 | Inducare Pharma Pvt Ltd, Pune | 18/09/2021 | 17/09/2031 | MOU |
| 13 | GTT Foundation, Pune | 06/09/2021 | 05/09/2023 | MOU |
| 14 | Anasyn Lab Private Limited, Tathawade, Pune | 15/07/2021 | 14/07/2026 | MOU |
| 15 | BioRadius Therapeutic Research Pvt Ltd, Hinjawadi, Pune | 15/07/2021 | 14/07/2031 | MOU |
| 16 | Vishwa Connectome Pvt Ltd, Pune | 30/01/2021 | 29/01/2031 | MOU |
| 17 | VivekDoba training Institute, Pune | 12/01/2021 | 11/01/2022 | MOU |

STRIVING TOWARDS EXCELLENCE FOREVER

P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.






Progressive Education Society's

MODERN COLLEGE OF PHARMACY

Accredited by NAAC

Best College Award by Savitribai Phule Pune University




Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
 Directorate of Technical Education, Mumbai (MS), Permanently Affiliated to
 Savitribai Phule Pune University, Pune & Approved under Section 2 (f) & 12 (B) of UGC Act, 1956


Section No.21, Yamunanagar, Nigdi, Pune-411 044. (M.S.) Tel. : 020-27661315 Fax: 020-27661314
 E-mail : mcpnigdi44@gmail.com Website : www.mcap.org.in

Prof. Dr. P. D. Chaudhari
 M.Pharm., Ph.D.
 Principal

Prof. Dr. G. R. Ekbote
 M.S., M.N.A.M.S.
 Chairman, Business Council

| | | | | |
|----|--|-------------------------|----------------------------|----------------------|
| 18 | Vivekanand Kendra Kanyakumari (Shakha: Pimpri, Chinchwad) | 12/01/2020 | 11/01/2025 | MOU |
| 19 | Shri Jain Vidya Prasarak Mandal's, Rasiklal M.Dhariwal Institute of Pharmaceutical Education & Research, Chinchwad, Pune | 28/08/2019 | - | MOU Life time |
| 20 | Institute of Pharmaceutical Education and Research Pvt Ltd, Pune | 14/08/2019 | 13/08/2024 | MOU |
| 21 | Sava Healthcare Limited, MIDC, Chinchwad, Pune | 18/05/2019 | 17/05/2029 | MOU |
| 22 | Deenanath Mangeshkar Hospital and Research Center, Pune | 28/08/2017 | 27/08/2027 | MOU |
| 23 | Elite Pharma Skills, Chinchwad, Pune | 07/07/2016 | 04/07/2031 | MOU |
| 24 | Callidus Research Laboratory Pvt Ltd, Pune | 20/06/2016 | 17/06/2029 | MOU |
| 25 | Haffkine Bio-Pharma Corporation Ltd Pimpri, Pune | 17/01/2014 | Amendment on 22/07/2017 | TIE-UPS Life time |
| 26 | VM EDULIFE PVT LTD, Pune | 18/07/2013 | 29/11/2026 | MOU |
| 27 | Nu-Life Pharmaceuticals, Pimpri, Pune | 13/08/2012 | - | TIE-UPS Lifetime |
| 28 | Dr. D. Y. Patil Institute of of Pharmaceutical Sciences and Research, Pimpri, Pune | 20/06/2012 (TIE-UPS) | - | TIE-UPS Lifetime |
| 29 | Dr. D. Y. Patil College of Pharmacy, Akurdi, Pune | 09/01/2012 | Amendment on 29/06/2017 | TIE-UPS Lifetime |






Principal
 P. E. S. Modern College of Pharmacy
 Sector No.21, Yamunanagar, Nigdi,
 Pune - 411 044.

STRIVING TOWARDS EXCELLENCE FOREVER



2. List of Year wise activities and exchange




Progressive Education Society's

MODERN COLLEGE OF PHARMACY

Accredited by NAAC

Best College Award by Savitribai Phule Pune University



Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently Affiliated to
Savitribai Phule Pune University, Pune & Approved under Section 2 (f) & 12 (B) of UGC Act, 1956


Section No.21, Yamunanagar, Nigdi, Pune-411 044. (M.S.) Tel : 020-27661315 Fax: 020-27661314
E-mail : mcpnigdi44@gmail.com Website : www.mcp.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. G. R. Ekbote
M.S., M.N.A.M.-S.
Chairman, Business Council

3.5.1. Number of functional MoUs/linkages with institutions/industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years.

| Sr. No. | Name of the Institution / Industry with whom the MoU / linkage/Collaboration | Year | List of yearwise activities and exchange | Total |
|---------|--|-----------|---|-------|
| 1 | Knoweasy, E-Learning providers, Online Platform, Pimpri, Pune | 2022-2023 | Guest Lecture | 01 |
| 2 | Rao Nursing Home, Pune | 2022-2023 | Collaborative Research | 01 |
| 3 | Indrayani hospital and cancer institute, Pune | 2022-2023 | Collaborative Research | 01 |
| 4 | MAGS IATRC Research & Training Pvt Ltd, Pune | 2022-2023 | Industrial Visit | 01 |
| 5 | Passiflora Laboratories Private Limited, Pune | 2022-2023 | Industrial Visit | 01 |
| 6 | Chakan Life Sciences Private Limited, Pune | 2022-2023 | Industrial visit | 01 |
| 7 | Intellectual Property Intellect Services (IPIS), Pune | 2022-2023 | Research patents filed | 07 |
| | | | Research patents published | 25 |
| | | | Design patents filed | 10 |
| | | | Design patents granted | 06 |
| | | | Copyrights filed | 18 |
| | | | Copyrights registered | 02 |
| 8 | Operant Pharmacy Federation, Rajasthan | 2022-2023 | International Conference on "Emerging trends in Pharmaceutical care in Digital Era" | 01 |
| 9 | Crystal Biological Solutions, Pune | 2021-2022 | Industrial Visit | 01 |
| | | | Hands-On Training | 02 |
| 10 | Skill academy by textbook, Navi Mumbai | 2021-2022 | Online Webinar | 02 |
| | | 2022-2023 | Online Webinar | 03 |
| 11 | Pursullence GBS LLP, Pune | 2022-2023 | Value Addition Course | 01 |



STRIVING TOWARDS EXCELLENCE FOREVER

P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



MODERN COLLEGE OF PHARMACY

Accredited by NAAC

Best College Award by Savitribai Phule Pune University



Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently Affiliated to
Savitribai Phule Pune University, Pune & Approved under Section 2 (f) & 12 (B) of UGC Act, 1956

Section No.21, Yashwanagar, Nigdi, Pune-411 044. (M.S.) Tel : 020-27661315 Fax: 020-27661314
E-mail : mcpnigdi44@gmail.com Website : www.mcop.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. G. R. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council

| | | | | |
|----|--|-----------|---|----|
| 12 | Inducare Pharma Pvt Ltd, Pune | 2022-2023 | Collaborative Research | 01 |
| 13 | GTT Foundation, Pune | 2021-2022 | Online soft skills training programme | 02 |
| | | 2022-2023 | Online soft skills training programme | 01 |
| 14 | Anasyn Lab Private Limited, Tathawade, Pune | 2021-2022 | Industrial Visit | 01 |
| 15 | BioRadius Therapeutic Research Pvt Ltd, Hinjawadi, Pune | 2022-2023 | Industrial Visit | 01 |
| 16 | Vishwa Connectome Pvt Ltd, Pune | 2021-2022 | Industrial Visit | 01 |
| 17 | VivekDoba training Institute, Pune | 2021-2022 | Guest Lecture | 01 |
| 18 | Vivekanand Kendra Kanyakumari (Shakha: Pimpri Chinchwad) | 2021-2022 | Guest Lecture | 01 |
| | | 2022-2023 | Leadership development camp | 01 |
| | | | State level youth Leadership development camp | 01 |
| | | | National youth day celebration | 01 |
| 19 | Shri Jain Vidya Prasarak Mandal's, Rasiklal M.Dhariwal Institute of Pharmaceutical Education & Research, Chinchwad, Pune | 2018-2019 | Collaborative research | 01 |
| | | 2019-2020 | Collaborative research | 04 |
| | | 2020-2021 | Collaborative research | 02 |
| | | 2021-2022 | Collaborative research | 08 |
| | | 2022-2023 | Collaborative research | 04 |
| 20 | Institute of Pharmaceutical Education and Research Pvt Ltd, Pune | 2021-2022 | Guest lecture | 01 |
| 21 | Sava Healthcare Limited, MIDC, Chinchwad, Pune | 2018-2019 | Student industrial project | 01 |
| | | 2019-2020 | Industrial visit | 01 |
| | | 2020-2021 | Student industrial project | 01 |

P. D. Chaudhari
Principal
Section No.21, Yashwanagar, Nigdi,
Pune - 411 044.



STRIVING TOWARDS EXCELLENCE FOREVER



MODERN COLLEGE OF PHARMACY

Accredited by NAAC

Best College Award by Savitribai Phule Pune University



Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently Affiliated to
Savitribai Phule Pune University, Pune & Approved under Section 2 (f) & 12 (B) of UGC Act, 1956

Section No.21, Yamunanagar, Nigdi, Pune -411 044. (M.S.) Tel : 020-27661315 Fax: 020-27661314
E-mail : mcpnigdi44@gmail.com Website : www.mcop.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal


Prof. Dr. G. R. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council

| | | | | |
|----|--|-----------|----------------------------------|----|
| 22 | Deenanath Mangeshkar Hospital and Research Center, Pune | 2022-2023 | Collaborative research | 07 |
| 23 | Elite Pharma Skills, Chinchwad, Pune | 2019-2020 | National level Conference | 01 |
| 24 | Callidus Research Laboratory Pvt Ltd., Pune | 2018-2019 | Faculty industrial training | 03 |
| | | | Student industrial project | 06 |
| | | | Industrial visit | 01 |
| | | 2019-2020 | Industrial visit | 01 |
| | | | Faculty industrial training | 05 |
| | | 2020- | Collaborative Research | 01 |
| | | 2021: | Faculty Industrial training | 03 |
| | | 2021-2022 | Faculty industrial training | 01 |
| | | | Internship | 01 |
| 25 | Haffkine Bio-Pharma Corporation Ltd Pimpri, Pune | 2022-2023 | Student industrial project | 01 |
| | | | Faculty industrial training | 03 |
| | | | Faculty industrial training | 03 |
| 26 | VM EDULIFE PVT LTD, Pune | 2018-2019 | Faculty industrial training | 03 |
| | | 2018-2019 | Internship | 05 |
| | | | Industrial visit | 01 |
| 27 | Nu-Life Pharmaceuticals, Pimpri, Pune | 2018-2023 | ERP Service Provider | 05 |
| | | 2018-2019 | Personality development workshop | 01 |
| | | | Teacher Orientation Meeting | 01 |
| 28 | Dr. D. Y. Patil Institute of of Pharmaceutical Sciences and Research, Pimpri, Pune | 2018-2019 | Internship | 24 |
| | | | Industrial visit | 01 |
| | | 2019-2020 | Internship | 35 |
| | | | Industrial visit | 01 |
| | | 2020-2021 | Internship | 40 |
| | | | Internship | 03 |
| 28 | Dr. D. Y. Patil Institute of of Pharmaceutical Sciences and Research, Pimpri, Pune | 2021-2022 | Library books sharing | 03 |
| | | | Library books sharing | 02 |
| | | 2022-2023 | Collaborative Research | 05 |
| | | | Library books sharing | 01 |

Principal
P. D. Chaudhari
Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.








Progressive Education Society's

MODERN COLLEGE OF PHARMACY

Accredited by NAAC

Best College Award by Savitribai Phule Pune University



Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently Affiliated to
Savitribai Phule Pune University, Pune & Approved under Section 2 (f) & 12 (B) of UGC Act, 1956

Section No.21, Yamunanagar, Nigdi, Pune-411 044. (M.S.) Tel : 020-27661315 Fax: 020-27661314
E-mail : mcpnigdi44@gmail.com Website : www.mcop.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. G. R. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council

| | | | | |
|----|---|-----------|--------------------------|----|
| 29 | Dr. D. Y. Patil College of Pharmacy, Akurdi, Pune | 2018-2019 | Library book sharing | 02 |
| | | 2019-2020 | Reference book searching | 01 |
| | | | Library book sharing | 04 |
| | | 2020-2021 | Journal referring | 02 |
| | | 2021-2022 | Library book sharing | 01 |
| | | | Collaborative research | 01 |




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

STRIVING TOWARDS EXCELLENCE FOREVER



3.5.1 Summary of Collaborative Activities for Research, Faculty Exchange, Students Exchange/Internship Per Year

| Type of collaboration → | Industry Project | Faculty Training Program | Collaborative Publication | Student Internship | Industrial Visit | ERP (Vmed life) | Value addition (Guest lecture/soft skill techniques/ webinar/ workshop/conference/seminar) | Hand on Training | Library Services | IPR Activities |
|----------------------------|------------------|--------------------------|---------------------------|--------------------|------------------|-----------------|--|------------------|------------------|----------------|
| ↓ Year | | | | | | | | | | |
| 2022-23 | -- | 03 | 19 | 05 | 05 | 01 | 10 | 01 | 01 | 68 |
| 2021-22 | 01 | 01 | 09 | 04 | 03 | 02 | 06 | 02 | 01 | -- |
| 2020-21 | 01 | 03 | 03 | 40 | -- | 01 | -- | -- | 04 | -- |
| 2019-20 | -- | 05 | 04 | 35 | 03 | 01 | 01 | -- | 08 | -- |
| 2018-19 | 07 | 03 | 01 | 29 | 02 | 02 | -- | -- | 02 | -- |
| Total | 09 | 15 | 36 | 113 | 13 | 07 | 17 | 3 | 16 | 68 |
| Total Activities = 297 | | | | | | | | | | |



[Signature]
Principal
 P. E. S. Modern College of Pharmacy
 Sector No.21, Yamunanagar, Nigdi,
 Pune - 411 044.



3. List and Copies of document indicating the functional MoUs/ linkage /Collaborations activity-wise and year-wise

Index

| Sr.No. | Name of collaborating Industry/academic Institution |
|--------|--|
| 1 | Knoweasy, E-Learning providers, Online Platform, Pimpri, Pune |
| 2 | Rao Nursing Home, Pune |
| 3 | Indrayani hospital and cancer Institute, Pune |
| 4 | MAGS IATRC Research & Training Pvt Ltd, Pune |
| 5 | Passiflora Laboratories Private Limited, Pune |
| 6 | Chakan Life Sciences Private Limited, Pune |
| 7 | Intellectual Property Intellect Services (IPIS), Pune |
| 8 | Operant Pharmacy Federation, Rajasthan |
| 9 | Crystal Biological Solutions, Pune |
| 10 | Skill academy by textbook, Navi Mumbai |
| 11 | Pursullence GBS LLP, Pune |
| 12 | InducarePharmaPvt Ltd, Pune |
| 13 | GTT Foundation, Pune |
| 14 | Anasyn Lab Private Limited, Tathawade, Pune |
| 15 | BioRadius Therapeutic Research Pvt Ltd, Hinjawadi, Pune |
| 16 | VishwaConnectomePvt Ltd, Pune |
| 17 | VivekDoba training Institute, Pune |
| 18 | Vivekanand Kendra Kanyakumari (Shakha: Pimpri Chinchwad) |
| 19 | Shri Jain VidyaPrasarak Mandal's, Rasiklal M. Dhariwal Institute of Pharmaceutical Education & Research, Chinchwad, Pune |
| 20 | Institute of Pharmaceutical Education and Research Pvt Ltd, Pune |
| 21 | Sava Healthcare Limited, MIDC, Chinchwad, Pune |
| 22 | Dinanath Mangeshkar Hospital and Research Center, Pune |
| 23 | Elite PharmaSkills, Chinchwad, Pune |
| 24 | Callidus Research Laboratory Pvt Ltd., Pune |
| 25 | Haffkine Bio-Pharma Corporation Ltd Pimpri, Pune |
| 26 | VM EDULIFE PVT LTD, Pune |
| 27 | Nu-Life Pharmaceuticals, Pimpri, Pune |
| 28 | Dr. D. Y. Patil Institute of Pharmaceutical Sciences and Research, Pimpri, Pune |
| 29 | Dr. D. Y. Patil College of Pharmacy, Akurdi, Pune |



Progressive Education Society's
MODERN COLLEGE OF PHARMACY

Accredited by NAAC

Best College Award by Savitribai Phule Pune University



Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently Affiliated to
Savitribai Phule Pune University, Pune & Approved under Section 2 (f) & 12 (B) of UGC Act, 1956

Section No.21, Yamunanagar, Nigdi, Pune-411 044. (M.S.) Tel : 020-27661315 Fax: 020-27661314
E-mail : mcopnigdi44@gmail.com Website : www.mcop.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. G. R. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council

Summary of Collaborations and MOU's/ Tie-ups/ Linkages

Collaborations are carried out in two different categories-

I) Industry Collaborations : 19

II) Academic Collaborations: 10

Total MOU: 29




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

STRIVING TOWARDS EXCELLENCE FOREVER



Progressive Education Society's
MODERN COLLEGE OF PHARMACY

Accredited by NAAC

Best College Award by Savitribai Phule Pune University



Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently Affiliated to
Savitribai Phule Pune University, Pune & Approved under Section 2 (f) & 12 (B) of UGC Act, 1956

Section No.21, Yamunanagar, Nigdi, Pune-411 044. (M.S.) Tel : 020-27661315 Fax: 020-27661314
E-mail : mcpnigdi44@gmail.com Website : www.mcop.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal


Prof. Dr. G. R. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council

| Sr. No. | Name of collaborating Industry/academic Institution | Objective(s) | Academic year | MOU/Tie-up Signed Date | Duration | |
|---------|---|---|---------------|--------------------------------|-----------|--|
| 1 | Knoweasy, E-Learning providers, Online Platform, Pimpri, Pune | Conducting GPAT sessions and providing classroom facility for the GPAT sessions on every Sunday. | 2022-2023 | 05/04/2023 to 04/04/2024 (MOU) | 01 yrs | |
| 2 | Rao Nursing Home, Pune | <ul style="list-style-type: none"> To carry out joint research projects in the field of clinical pharmacology and Pharmacy To collaborate in exchange of students for academic, research and training, purposes. | 2022-2023 | 01/02/2023 to 31/01/2028 (MOU) | 5 yrs | |
| 3 | Indrayani hospital and cancer Institute, Pune | <ul style="list-style-type: none"> To carry out joint research projects in the field of clinical pharmacology and Pharmacy To collaborate in exchange of students for academic, research and training, purposes. | 2022-2023 | 21/12/2022 to 30/11/2023 (MOU) | 11 months | |
| 4 | MAGS IATRC Research & Training Pvt Ltd, Pune | To maintain permanent channels of communication for exchange of information, facilities, students and faculties under Collaborative research projects, Industrial visit, Student Internship, Seeking feedback on activities also involve in Co-organizing Seminar, Conferences and Workshops. | 2022-2023 | 15/09/2022 to 14/09/2032 (MOU) | 10 yrs | |
| 5 | Passiflora Laboratories Private Limited, Pune | To maintain permanent channels of communication for exchange of information, facilities, students and faculties | 2022-2023 | 01/07/2022 to 30/06/2032 (MOU) | 10 yrs | |


STRIVING TOWARDS EXCELLENCE FOREVER

P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.





Progressive Education Society's
MODERN COLLEGE OF PHARMACY
 Accredited by NAAC
 Best College Award by Savitribai Phule Pune University




Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
 Directorate of Technical Education, Mumbai (MS), Permanently Affiliated to
 Savitribai Phule Pune University, Pune & Approved under Section 2 (f) & 12 (B) of UGC Act, 1956

Section No.21, Yamunanagar, Nigdi, Pune-411 044. (M.S.) Tel. : 020-27661315 Fax: 020-27661314
 E-mail : mcpnigdi44@gmail.com Website : www.mcp.org.in

Prof. Dr. P. D. Chaudhari
 M.Pharm., Ph.D.
 Principal

Prof. Dr. G. R. Ekbote
 M.S., M.N.A.M.S.
 Chairman, Business Council

| | | | | | | |
|---|---|---|-----------|--------------------------------|--------|--|
| | | under Collaborative research projects, Industrial visit, Student Internship, Seeking feedback on activities also involve in Co-organizing Seminar, Conferences and Workshops.. | | | | |
| 6 | Chakan Life Sciences Private Limited, Pune | To maintain permanent channels of communication for exchange of information, facilities, students and faculties under Collaborative research projects, Industrial visit, Student Internship, Seeking feedback on activities also involve in Co-organizing Seminar, Conferences and Workshops. | 2022-2023 | 01/07/2022 to 30/06/2032 (MOU) | 10 yrs | |
| 7 | Intellectual Property Intellect Services (IPIS), Pune | To develop and expand cooperation in IPR activities and training | 2021-2022 | 18/05/2022 to 17/05/2027 (MOU) | 05 yrs | |
| 8 | Operant Pharmacy Federation, Rajasthan | <ul style="list-style-type: none"> To promote team building courses and events To organize joint innovation workshops | 2021-2022 | 17/05/2022 to 16/05/2027 (MOU) | 05 yrs | |



(Signature)
Principal
 P. E. S. Modern College of Pharmacy
 Sector No.21, Yamunanagar, Nigdi,
 Pune - 411 044.

STRIVING TOWARDS EXCELLENCE FOREVER



Progressive Education Society's MODERN COLLEGE OF PHARMACY

Accredited by NAAC

Best College Award by Savitribai Phule Pune University



Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently Affiliated to
Savitribai Phule Pune University, Pune & Approved under Section 2 (f) & 12 (B) of UGC Act, 1956

Section No.21, Yamunanagar, Nigdi, Pune-411 044. (M.S.) Tel : 020-27661315 Fax: 020-27661314
E-mail : mcpnigdi44@gmail.com Website : www.mcp.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. G. R. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council

| | | | | | | |
|----|--|---|-----------|--------------------------------|--------|--|
| 9 | Crystal Biological Solutions, Pune | To maintain permanent channels of communication for exchange of information, facilities, students and faculties under Collaborative research projects, Industrial visit, Student Internship, Seeking feedback on activities also involve in Co-organizing Seminar, Conferences and Workshops. | 2021-2022 | 15/04/2022 To 14/04/2032 (MOU) | 10yrs | |
| 10 | Skill academy by textbook, Navi Mumbai | Complete preparation for job and internship. Free access to all the content under textbook pass for a period of 1 month. | 2021-2022 | 30/03/2022 to 29/03/2023 (MOU) | 01 yrs | |
| 11 | Pursuence GBS LLP, Pune | To enable student, alumni and working professional of college access to resource that would enhance their employability and career prospects | 2021-2022 | 25/11/2021 To 24/11/2026 (MOU) | 05 yrs | |
| 12 | Inducare Pharma Pvt Ltd, Pune | To maintain permanent channels of communication for exchange of information, facilities, students and faculties under Collaborative research projects, Industrial visit, Student Internship, Seeking feedback on activities also involve in Co-organizing Seminar, Conferences and Workshops | 2021-2022 | 18/09/2021 to 17/09/2031 (MOU) | 10 yrs | |
| 13 | GTT Foundation, Pune | To establish industry linkages and to enhance employability of students | 2021-2022 | 06/09/2021 to 05/09/2023 (MOU) | 02 yrs | |




[Signature]
Principal

STRIVING TOWARDS EXCELLENCE FOREVER

Modern College of Pharmacy
Section No. 21, Yamunanagar, Nigdi,
Pune - 411 044.




Progressive Education Society's
MODERN COLLEGE OF PHARMACY
 Accredited by NAAC
 Best College Award by Savitribai Phule Pune University


Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
 Directorate of Technical Education, Mumbai (MS), Permanently Affiliated to
 Savitribai Phule Pune University, Pune & Approved under Section 2 (f) & 12 (B) of UGC Act, 1956

Section No.21, Yamunanagar, Nigdi, Pune-411 044. (M.S.) Tel. : 020-27661315 Fax: 020-27661314
 E-mail : mcpnigdi44@gmail.com Website : www.mcop.org.in

Prof. Dr. P. D. Chaudhari
 M.Pharm., Ph.D.
 Principal


Prof. Dr. G. R. Ekbote
 M.S., M.N.A.M.S.
 Chairman, Business Council

| | | | | | | |
|----|---|---|-----------|--------------------------------|---------|--|
| 14 | Anasyn Lab Private Limited, Tathawade, Pune | To maintain permanent channels of communication for exchange of information, facilities, students and faculties under Collaborative research projects, Industrial visit, Student Internship, Seeking feedback on activities also involve in Co-organizing Seminar, Conferences and Workshops. | 2021-2022 | 15/07/2021 to 14/07/2026 (MOU) | 05 yrs | |
| 15 | BioRadius Therapeutic Research Pvt Ltd, Hinjawadi, Pune | To maintain permanent channels of communication for exchange of information, facilities, students and faculties under Collaborative research projects, Industrial visit, Student Internship, Seeking feedback on activities also involve in Co-organizing Seminar, Conferences and Workshops. | 2021-2022 | 15/07/2021 to 14/07/2031 (MOU) | 10 yrs | |
| 16 | Vishwa Connectome Pvt Ltd, Pune | To maintain permanent channels of communication for exchange of information, facilities, students and faculties under Collaborative research projects, Industrial visit, Student Internship, Seeking feedback on activities also involve in Co-organizing Seminar, Conferences and Workshops. | 2020-2021 | 30/01/2021 To 29/01/2031 (MOU) | 10 yrs | |
| 17 | VivekDoba training Institute, Pune | <ul style="list-style-type: none"> • Training programs and personality development • Education and knowledge sharing | 2020-2021 | 12/01/2021 To 11/01/2022 (MOU) | 01 year | |


 STRIVING TOWARDS EXCELLENCE FOREVER

Principal
 Modern College of Pharmacy
 Section No.21, Yamunanagar, Nigdi,
 Pune - 411 044





Progressive Education Society's
MODERN COLLEGE OF PHARMACY
 Accredited by NAAC
 Best College Award by Savitribai Phule Pune University

Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
 Directorate of Technical Education, Mumbai (MS), Permanently Affiliated to
 Savitribai Phule Pune University, Pune & Approved under Section 2 (f) & 12 (B) of UGC Act, 1956
 Section No.21, Yamunanagar, Nigdi, Pune-411 044. (M.S.) Tel : 020-27661315 Fax: 020-27661314
 E-mail : mcpnigdi44@gmail.com Website : www.mcop.org.in

Prof. Dr. P. D. Chaudhari
 M.Pharm., Ph.D.
 Principal


Prof. Dr. G. R. Ekbote
 M.S., M.N.A.M.S.
 Chairman, Business Council

| | | | | | | |
|----|--|---|-----------|--------------------------------|----------|--|
| 18 | Vivekanand Kendra Kanyakumari (Shakha:Pimpri Chinchwad) | Social and personality development Knowledge sharing | 2019-2020 | 12/01/2020 To 11/01/2025 (MOU) | 05 yrs | |
| 19 | Shri Jain Vidya Prasarak Mandal's, Rasiklal M.Dhariwal Institute of Pharmaceutical Education & Research, Chinchwad, Pune | <ul style="list-style-type: none"> • Usage of library books, study material, e-journals, under the inter library loan facility by the students and faculty • Usage of instrumental facilities by the students and faculty • Seeking feedback on activities also involve in Co-organizing Seminar, Conferences and Workshops and sharing expertise of faculty | 2019-2020 | 28/08/2019 (MOU) | lifetime | |
| 20 | Institute of Pharmaceutical Education and Research Pvt Ltd (IPER Pune) | <ul style="list-style-type: none"> • Training programs and assistance • Education and knowledge sharing | 2019-2020 | 14/08/2019 to 13/08/2024 (MOU) | 05 yrs | |
| 21 | Sava Healthcare Limited, MIDC, Chinchwad, Pune | To maintain permanent channels of communication for exchange of information, facilities, students and faculties under Collaborative research projects, Industrial visit, Student Internship, Seeking feedback on activities also involve in Co-organizing Seminar, Conferences and Workshops. | 2018-2019 | 18/05/2019 to 17/05/2029 (MOU) | 10 year | |
| 22 | Deenanath Mangeshkar Hospital and Research Center, Pune | Academic collaboration for Pharm D Course | 2017-2018 | 28/08/2017 to 27/08/2027 (MOU) | 10 yrs | |



 P. E. S. Modern College of Pharmacy
 Section No.21, Yamunanagar, Nigdi, Pune-411 044

STRIVING TOWARDS EXCELLENCE FOREVER





Progressive Education Society's
MODERN COLLEGE OF PHARMACY
 Accredited by NAAC
 Best College Award by Savitribai Phule Pune University




Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
 Directorate of Technical Education, Mumbai (MS), Permanently Affiliated to
 Savitribai Phule Pune University, Pune & Approved under Section 2 (f) & 12 (B) of UGC Act, 1956

Section No.21, Yamunanagar, Nigdi, Pune-411 044. (M.S.) Tel. : 020-27661315 Fax: 020-27661314
 E-mail : mcpnigdi44@gmail.com Website : www.mcop.org.in


Prof. Dr. P. D. Chaudhari
 M.Pharm., Ph.D.
 Principal

Prof. Dr. G. R. Ekbote
 M.S., M.N.A.M.S.,
 Chairman, Business Council



| | | | | | | |
|----|--|---|-----------|---|----------|--|
| 23 | Elite Pharma Skills, Chinchwad, Pune | Training and placement assistance | 2016-2017 | 07/07/2016 to 06/07/2021 (MOU) Renew on 05/07/2021 to 04/07/2031 (MOU) | 15 yrs | |
| 24 | Callidus Research Laboratory Pvt Ltd., Pune | To maintain permanent channels of communication for exchange of information, facilities, students and faculties under Collaborative research projects, Industrial visit, Student Internship, Seeking feedback on activities also involve in Co-organizing Seminar, Conferences and Workshops. | 2016-2017 | 20/06/2016 to 19/06/2019 (MOU) Renew on 18/06/2019 to 17/06/2029 | 13 yrs | |
| 25 | Haffkine Bio-Pharma Corporation Ltd Pimpri Pune 411018 | To maintain permanent channels of communication for exchange of information, facilities, students and faculties under Collaborative research projects, Industrial visit, Student Internship, Seeking feedback on activities also involve in Co-organizing Seminar, Conferences and Workshops. | 2013-2014 | 17/01/2014 to (TIE-UPS) Amendment on 22/07/2017 | Lifetime | |
| 26 | VM EDULIFE PVT LTD, Pune | <ul style="list-style-type: none"> Usage of Online platform for various academic, administrative and other activities | 2013-2014 | 18/07/2013 Amendment on 29/11/2016 to 28/11/2021 Renew on 30/11/2021 To 29/11/2026 | 13 yrs | |



STRIVING TOWARDS EXCELLENCE FOREVER


 Principal
 Modern College of Pharmacy
 Section No.21, Yamunanagar, Nigdi,
 Pune-411 044




Progressive Education Society's
MODERN COLLEGE OF PHARMACY
 Accredited by NAAC
 Best College Award by Savitribai Phule Pune University
 


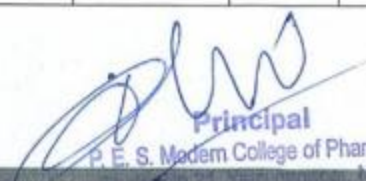
Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
 Directorate of Technical Education, Mumbai (MS), Permanently Affiliated to
 Savitribai Phule Pune University, Pune & Approved under Section 2 (f) & 12 (B) of UGC Act, 1956

Section No.21, Yamunanagar, Nigdi, Pune-411 044. (M.S.) Tel. : 020-27661315 Fax: 020-27661314
 E-mail : mcpnigdi44@gmail.com Website : www.mcop.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. G. R. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council

| | | | | | | |
|----|---|--|-----------|--|----------|--|
| 27 | Nu-Life Pharmaceuticals, Pimpri, Pune | To maintain permanent channels of communication for exchange of information, facilities, students and faculties under Collaborative research projects, Industrial visit, Student Internship, Seeking feedback on activities also involve in Co-organizing Seminar, Conferences and Workshops | 2012-2013 | 13/08/2012 (TIE-UPS) | Lifetime | |
| 28 | Dr. D. Y. Patil Institute of Pharmaceutical Sciences and Research, Pimpri, Pune | <ul style="list-style-type: none"> • Usage of library books, study material, e-journals, under the inter library loan facility by the students and faculty • Usage of instrumental facilities by the students and faculty • Seeking feedback on activities also involve in Co-organizing Seminar, Conferences and Workshops and sharing expertise of faculty | 2012-2013 | 20/06/2012 (TIE-UPS) | Lifetime | |
| 29 | Dr. D. Y. Patil College of Pharmacy, Akurdi, Pune | <ul style="list-style-type: none"> • Usage of library books, study material, e-journals, under the inter library loan facility by the students and faculty • Usage of instrumental facilities by the students and faculty. • Seeking feedback on activities also involve in Co-organizing Seminar, Conferences and Workshops and sharing expertise of faculty | 2011-2012 | 09/01/2012 Amendment on 29/06/2017 (TIE-UPS) | Lifetime | |

Principal
P. S. Modern College of Pharmacy
Section No. 21, Yamunanagar, Nigdi,

STRIVING TOWARDS EXCELLENCE FOREVER




MOU with Knoweasy, E-Learning providers, Online Platform, Pimpri, Pune

Summary of activities under MOU

| Sr no | Academic Year | Name of Activity | No of beneficiaries | Start Date | End Date |
|-------|---------------------------|------------------|---------------------|------------|------------|
| 1 | 2022-2023 | Guest Lecture | 94 | 18/04/2023 | 18/04/2023 |





"Unleash the Joy of Effortless learning!"

✓ GPAT / NIPER Preparation Centre, Pune
✓ Contact – Knoweasy007@gmail.com , 9421506113

Memorandum Of Understanding (MOU)

This MoU is entered into and executed in Pune on 05 April 2023, by:


Progressive Education Society's **Modern College of Pharmacy**, Nigdi, Pune 411044


AND

KnowEasy , E-Learning Providers, Online Platform , Pimpri , Pune 411018 , It is an innovative education company that envisions a future where learning is accessible, enjoyable, and empowering for all. Our mission is to simplify knowledge acquisition through cutting-edge technology and personalized learning experiences, revolutionizing the traditional approach to education.

- The purpose of the MOU is to develop academic and educational cooperation and to promote mutual understanding between the two parties
- Each parties agreed to develop the following collaborative activities in the academic areas of mutual interest on a basis of equality and reciprocity
 - Conducting GPAT sessions
 - Providing classroom facility for the GPAT sessions on every Sunday
 - One to one Mentorship for the Students of Modern College of Pharmacy
 - Promoting collaboration in field of mutual interest
 - Promoting other academic cooperation as mutually agreed
- The development and implementation of specific activities based on this MOU will separately be negotiated and agreed between the college or institute which carry out the specific projects and will be subject to a separate written agreement. Each party agrees to carry out these activities in accordance with the Indian laws and regulations after full consultation and approval.
- It is understood that the implementation of any of the types of cooperation stayed in clause 2 shall depend upon the availability of resources and financial capabilities of parties concerned.
- Both parties agree that the written approval is required before using the other party's name , Logo or any Intellectual property rights in any advertising or associated publicity .
- Should the Collaborative in academic activity under this MOU results in any potential for intellectual property , each party shall seek a suitable and fair agreement as to ownership and other property interest that may rise .
- This MOU may only be amended or modified by a written agreement signed by the representative of each party .
- This MOU is valid for the period of 12 months from the date of signing by the authorized signatories of each Party. Each party shall review the status of the MOU at least three months prior the end of the 12 Months to determine whether it wishes to continue or end the MOU

© KNOWEASY.





Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

Memorandum of Understanding

KnowEasy

For KnowEasy

Institute

Authorized Signatory
Name: Armit G. Manal
Designation: Founder, Director

Authorized Signatory
Name: Dr. P. D. Chaudhari
Designation: Principal, Modern college of
Pharmacy, Nigdi

KnowEasy

Modern College of Pharmacy
Nigdi Pune-411 004

© KNOWEASY.

[2]



Progressive Education Society's
MODERN COLLEGE OF PHARMACY

Accredited by NAAC & NBA
DST FIST Funded College

'Best College Award' by Savitribai Phule Pune University



Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently affiliated to
Savitribai Phule Pune University, Pune & Approved under Section (2 (f) & 12 (B) of UGC Act, 1956

Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044. (M.S.) Tel. : 020-27661314 / 15

E-mail : mcpnigdi44@gmail.com Website : www.mcop.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. Gajanan R. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council
P.E. Society, Pune

Ref :

Date : 07/06/2023

Summary of Activity done under MOU Year wise

Name of concerned Organization: Knoweasy, E-Learning providers, Online Platform. Pimpri, Pune

Date of MOU: 05/04/2023 to 04/04/2024

Validity Period of MOU: 1 Year

| Sr no | Academic Year | Name of Activity | No of beneficiaries | Start Date | End Date |
|-------|---------------|------------------|---------------------|------------|------------|
| 1 | 2022-2023 | Guest Lecture | 94 | 18/04/2023 | 18/04/2023 |


Dr. Pravin D. Chaudhari
Principal and Professor





MoU Incharge
Knoweasy, E-Learning providers,
Online Platform, Pimpri, Pune

STRIVING TOWARDS EXCELLENCE FOREVER



2022-2023

P. E. Society's
Modern College of Pharmacy, Nigdi, Pune.
Academic Year 2022-23


Date: 14/03/23


Training and Placement Cell
Notice

All the students of Second Year B. Pharmacy and Third Year B. Pharmacy are hereby instructed to attend one day seminar on “Current Career Opportunities for Pharmacy Students” by Mr. **Amit Manal** which has been organized on 18th March 2023.

Time: 12:00pm to 2:00pm

Note: Attendance is compulsory. Monitoring of attendance will be done


Dr. Ms. K. S. Shaikh
Training and Placement Cell


Dr. P. D. Chaudhari
Principal




Principal
P.E.S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



P. E. Society's Modern College of Pharmacy, Nigdi, Pune-411044
Training and Placement Cell
Career Guidance Program
ATTENDANCE SHEET

Title: Current Career Opportunities for Pharmacy Students

Date: Saturday, 18/03/2023

Class: S.Y.B Pharm and T.Y.B Pharm (Div A & Div B)

| Sr.No | Name of student | E-mail | Contact No. | Class | Signature |
|-------|----------------------------|--------------------------------|-------------|-------------|------------|
| 1 | Kartik Torambre | kartiktorambe@gmail.com | 9762179129 | S.Y.B-Pharm | Kartik |
| 2 | Prathamesh Ugale | prathameshugale2001@gmail.com | 9324379712 | S.Y.B-Pharm | Prathamesh |
| 3 | Yash R. Jhurad | yashrj@protonmail.com | 7498452528 | S.Y.B-Pharm | Yash |
| 4 | Priyanka A. Chaukate | priyankachaukate2021@gmail.com | 9359027353 | S.Y.B-Pharm | Priyanka |
| 5 | Aarti Santosh Chavan | chavanarati64@gmail.com | 9766062203 | S.Y.B-Pharm | Aarti |
| 6 | Sayali Sumil Jagtap | sayalijagtap2002@gmail.com | 7240649203 | S.Y.B-Pharm | Sayali |
| 7 | Lashkare Santoshi Lashkare | santoshilashkare@gmail.com | 8080374297 | S.Y.B-Pharm | Lashkare |
| 8 | Jyoti D. Hatekar | jyotihatekar@gmail.com | 2570549715 | S.Y.B-Pharm | Jyoti |
| 9 | Aarti P. Lonikar | aarti.p.lonikar@gmail.com | 6953865477 | S.Y.B-Pharm | Aarti |
| 10 | Tamodade Dhanashri Santosh | tanodade.dhanashri@gmail.com | 1665260966 | S.Y.B-Pharm | Tamodade |
| 11 | Sanika Sanjay Talekar | sanika.sanjay@gmail.com | 8010202018 | S.Y.B-Pharm | Sanika |
| 12 | Sweety. Ashok. Sonawane | sweetys1801@gmail.com | 9021524378 | S.Y.B-Pharm | Sweety |
| 13 | Sayali Pranav Navhale | sayalinavhale9@gmail.com | 8347740108 | S.Y.B-Pharm | Sayali |

Principal
Signature
 Name and Sign of TPO



Principal
P. E. Society's Modern College of Pharmacy
 Sector No. 27, Yashwantrao Chavan Nagar, Nigdi,
 Pune - 411 044.

Modern College of Pharmacy's Career Path 2022-2023

Guest lecture on the topic “ Current Career Opportunities for Pharmacy Students” by Mr. Amit Manal for Second Year B. Pharmacy and Third Year B. Pharmacy students was conducted on 18th March 2023.

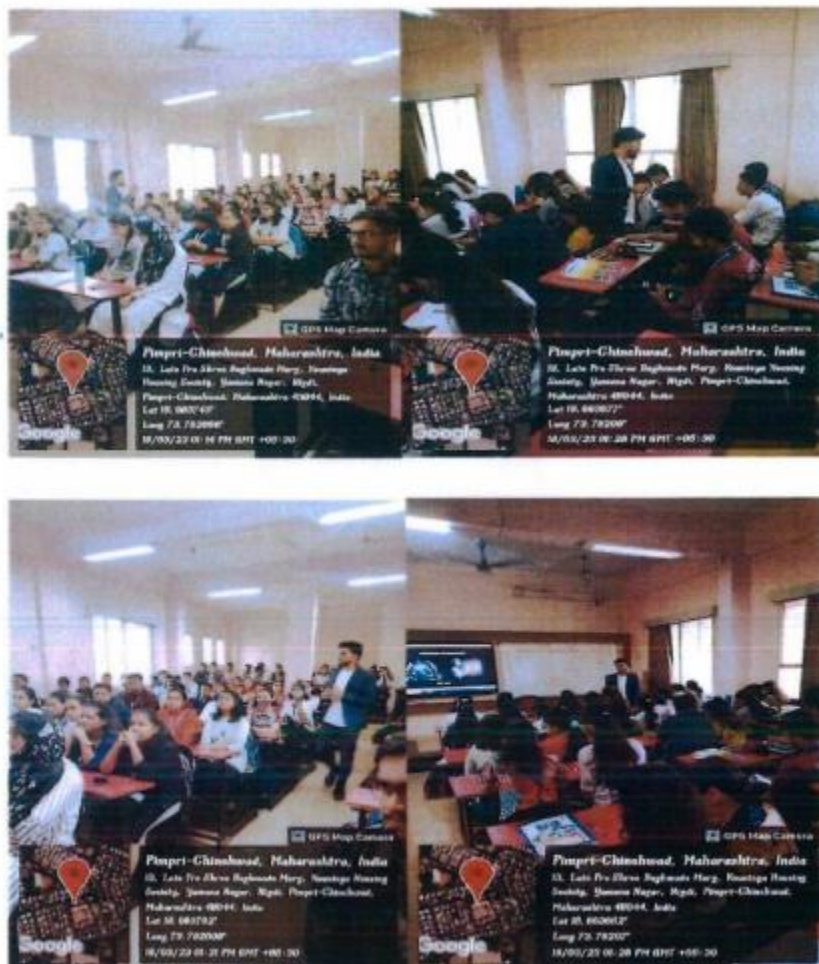
Training and placement cell of Modern College of Pharmacy Nigdi conducted a guest lecture on Current Career Opportunities for Pharmacy students. The session started with the welcome and introduction of the speaker Mr. Amit Manal. He gave a brief information on various opportunities after B Pharmacy. He not only guided the students on various jobs which are gaining more scope in market but also guided the students who are opting for higher studies. He explained about various exams and how a person can tackle issues of managing time. The session was very informative and interactive and ended with question and answer session. Total 91 students attended the guest lecture.



Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Principal
Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



“Current Career Opportunities for Pharmacy Students” by Mr. Amit Manal

Dr. K. S. Shaikh

Training and Placement Cell
Dr. K. S. Shaikh



Dr. P. D. Chaudhari
Principal
Principal

P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



MOU with Rao Nursing Home, Pune

Summary of activities under MOU

| Sr no | Academic Year | Name of faculty | Name of Activity | Name of Title | No of beneficiaries | Start Date | End Date |
|-------|---------------------------|---------------------|------------------------|--|---------------------|------------|----------|
| 1. | 2022-2023 | Dr. Mayuri Khaparde | Collaborative research | Assessment of antimicrobial agent usage Pattern as per given Susceptibility testing report | 4 | 01/12/2022 | Ongoing |



Progressive Education Society's
MODERN COLLEGE OF PHARMACY

Accredited by NAAC & NBA (B.Pharm. 2019 to June 2022)

'Best College Award' by Savitribai Phule Pune University



Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently affiliated to
Savitribai Phule Pune University, Pune & Approved under Section (2 (f) & 12 (B) of UGC Act, 1956

Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044. (M.S.) Tel. : 020-27661314 / 15

E-mail : mcpnigdi44@gmail.com Website : www.mcop.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. Gajanan R. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council
P.E.Society, Pune

Ref : Mcop/Lett/2022-23/269

Date : 01/02/2023

MEMORANDUM OF UNDERSTANDING

This MEMORANDUM OF UNDERSTANDING (MoU) is entered on 01-02-2023.

between

Progressive Education Society's
Modern College of Pharmacy,
Sector 21, Yamunanagar, Nigadi, Pune-44.

And

The Department of Quality Assurance,
Rao Nursing Home
691A-1A, CTS No. 1897-B, Pune- Satara Road,
Bibwewadi, Pune- 411037

Represented by the Head of The Department of Pharm. D Program
Modern College of Pharmacy, Nigdi Pune.

Rao Nursing Home and PES's Modern College of Pharmacy shall be collectively referred to as "The Parties."

In furtherance of their mutual interest in improvement of academic, technical and employability skills of the college students and as a contribution to the social and economic development of the region. The Parties mentioned above hereby agree to and adopt the following MoU.

Article 1: Purpose of the MoU

The Parties are committed to enhancement of employability skills of the students at the college, educational excellence, equality of educational and employment opportunities. The purpose of this MoU is to better serve the students by offering them field work opportunity to get explored to the practical applications of the knowledge they acquire during their formal education.



[Signature]
Principal
P.E.S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

STRIVING TOWARDS EXCELLENCE FOREVER



Some broad goals of this MoU are:

1. Jointly work on design and development of the pharmaceutical sciences, and pharmaceutical care research projects for associated hospitals and medical organizations.
2. Make students independent and responsible towards project development.
3. Create interdisciplinary research opportunities for students to work on pharmaceutical aspects.

Article 2: General Activities (As per Party)

The Parties will undertake the following:

1. Organizing other activities for enablement of stakeholders.
2. Activities and dissemination of new knowledge
3. Co-operate with each other in duly carrying out the obligations agreed upon.

The development and implementation of specific activities based on this MoU will be separately decided and agreed upon by the parties. Wherever necessary, a specific plan shall be worked out for each activity, setting forth detailed arrangements for collaboration.

Article 3: Duration of MOU

This MoU shall remain in force for a period of five (05) years commencing from the date of signing of this document (from 01-02-2023 to 31-01-2028). The parties reserve the right to terminate this MoU by either party giving one (01) month written notice to the other, where such termination occurs, the provisions of this Memorandum shall continue to apply to ongoing activities until their completion.

Article 4: Financial Terms / Condition

Based on the intent, both parties shall jointly decide the mutually beneficial commercial terms of engagement on a case-to-case basis.

Article 5: Publication Policy

1. Any publication resulting from this work will have authorship from all the participating institutes depending upon the contribution in particular aspect.
2. Both parties will have the authority to decide the authors of their respective groups which will be in accordance with the contribution of the authors.

Article 6: Statement of Intent

Nothing in this MoU shall be construed as creating any legal relationships between the parties. This MoU is the statement of intent to foster genuine and mutually beneficial collaboration.



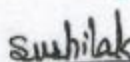

Principal
R. E. S. Modern College of Pharmacy
Sector No.21, Yashwanagar, Nigdi,
Pune - 411 044.



Article 7: Amendments


Amendments to this MoU, if any, shall be made only after joint discussion and agreement between both parties and will require a freshly approved and signed agreement by the designated representatives of each party. The terms/clauses/articles in this MoU can be reviewed by mutual consent by serving one (01) month written notice to the other party. New or amended terms/clauses/articles may be agreed upon as part of a renewed MoU.


Rao Nursing Home and PES's Modern College of Pharmacy welcome the establishment of this MoU for cooperation and jointly agree to the provisions as set out above. This MoU shall be effective from the date of its signing.




Dr. Sushila Kawade
Medical Superintendent,
Rao Nursing Home
691A-1A, CTS No. 1897-B,
Pune- Satara Road,
Bibwewadi, Pune- 411037

MEDICAL SUPERINTENDENT
RAO NURSING HOME
Sr. No. 691A-1A-1, CTS No. 1897-B,
Bibwewadi, Pune-411 037.


Prof. Dr. S. B. Pawar
Associate Professor,
Department of Pharm. D Program
PES's Modern College of Pharmacy Sector 21,
Yamunanagar, Nigdi, Pune-44


Prof. Dr. P. B. Chaudhari
Principal,
Progressive Education Society's
Modern College of Pharmacy,
Sector 21, Yamunanagar, Nigdi, Pune-44.

Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.


Prof. Dr. M. S. Khaparde
Assistant Professor,
Department of Pharm. D Program
PES's Modern College of Pharmacy
Sector 21, Yamunanagar, Nigdi, Pune-44




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Progressive Education Society's
MODERN COLLEGE OF PHARMACY

Accredited by NAAC & NBA
DST FIST Funded College

'Best College Award' by Savitribai Phule Pune University



Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS). Permanently affiliated to
Savitribai Phule Pune University, Pune & Approved under Section (2 (f) & 12 (B) of UGC Act, 1956

Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044. (M.S.) Tel. : 020-27661314 / 15

E-mail : mcpnigdi44@gmail.com Website : www.mcop.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. Gajanan R. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council
P.E. Society, Pune

Ref :

Date : 07/06/2023

Summary of Activity done under MOU Year wise

Name of concern Organization: Rao Nursing Home, Bibwewadi, Pune

Date of MOU: 01/02/2023 to 31/01/2028

Validity Period of MOU: 5 years

| Sr no | Academic Year | Name of faculty | Name of Activity | Name of Title | No of beneficiaries | Start Date | End Date |
|-------|---------------|---------------------|------------------------|--|---------------------|------------|----------|
| I. | 2022-2023 | Dr. Mayuri Khaparde | Collaborative research | Assessment of antimicrobial agent usage Pattern as per given Susceptibility testing report | 4 | 01/12/2022 | Ongoing |

Dr. Pravin D. Chaudhari
Principal and Professor



Subilak
MoU Incharge
Rao Nursing Home Pune

STRIVING TOWARDS EXCELLENCE FOREVER



2022-2023

Aim: To study the usage pattern of the antimicrobial agents in order to assess appropriateness concerning to the interpretation of culture susceptibility testing report.

Objective:

- 1) The goal of the study is to assess the appropriateness of antimicrobial agent usage pattern according to the susceptibility testing report
- 2) To estimate the impact of culture susceptibility reporting practices on antimicrobial agents' usage.
- 3) To ensure the rational usage of antimicrobial agent in a tertiary care hospital.

Introduction:

Antimicrobial agents are one of the most widely, and often injudiciously, used therapeutic drugs worldwide. Antimicrobial resistance (AMR) has been a major threat for public health in past few decades. According to World Health Organization AMR contributes largely to the morbidity and mortality in all parts of the world.

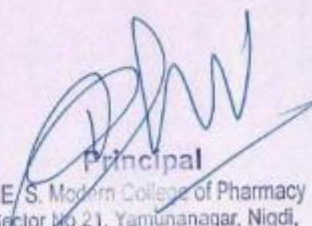
As India being the largely populated developing country, the management of infections becomes an effortful challenge for healthcare system. The exponential speed of the infections, higher consumption of medicines, inappropriate and irrational use of antibiotics also associated with AMR. Important considerations which should be taken when prescribing the antimicrobial therapy include obtaining an accurate diagnosis of infection; understanding the difference between empiric and definitive therapy; identifying opportunities to switch to narrow -spectrum, cost-effective oral agents for the shortest duration necessary; understanding drug characteristics that are peculiar to the antimicrobial agent.

It is also important to understand the importance of the antimicrobial stewardship, to know when to consult the infectious disease specialists for the guidance, and be able to identify situations when antimicrobial therapy is not needed.

Recent studies highlighted that rationalized use of antibiotics can overcome the AMR in India. Culture sensitivity testing (CST) is an effective way for rationalizing antimicrobial usage. CST reveals the choice of antibiotic for individual patient, but the interpretation of CST is essential.

This study aims to assess the appropriateness of antimicrobial agent usage pattern according to the susceptibility testing report in the IPD patients. This study observes impact of culture susceptibility reporting practices on antimicrobial agents usage. The outcomes of this study will help to ensure the rational usage of antimicrobial agent in the hospital.



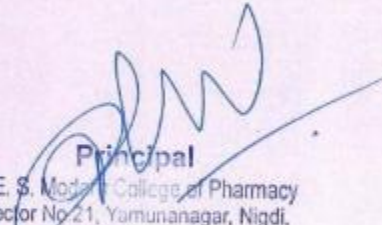

Principal
P. E. S. Modern College of Pharmacy
Sector No 21, Yamunanagar, Nigdi,
Pune - 411 044.



Methodology:

- Study type: Observational retrospective study
- Study design: Cohort study
- Study population: IPD Patients
- Study criteria:
 - Inclusion criteria:
 - 1) Male and female patients of age 18 and above.
 - 2) Patient who are prescribed with Anti-Microbial agent with given susceptibility testing report
 - 3) Patient who provide written consent for using their data.
 - Exclusion criteria:
 - 1) Pregnant and lactating women
 - 2) Patient with Anti Tuberculosis and Anti-Retroviral
 - 3) Neuropsychiatric patient.
 - 4) Pediatric patients.
 - 5) Patient with ongoing chemotherapy.
 - 6) Patient with ongoing antimicrobial without susceptibility testing report.
 - 7) Patient Do not who provide written consent for using their data.
- Study duration: 6 months.
- Expected sample size: 100 patients.
- Study material: Demographic details (bed no, Age, weight), Past medical history, past medication history, current diagnosis, culture susceptibility reports, drugs prescribed, clinical notes, discharge medications and follow-up details.
- Expected outcomes: To find out the impact of antimicrobial susceptibility testing report on the prescribing pattern of antimicrobial agents. This research will also ensure the rational use of antimicrobial agents in the hospital.




Principal
P. E. S. Modern College of Pharmacy
Sector No 21, Yamunanagar, Nigdi,
Pune - 411 044.



RAO NURSING HOME

Survey No. : 691A/1A-1, CTS No. 1897-B, Pune-Satara Road, Next to Big Bazar, Bibhewadi,
Pune - 411 037, Maharashtra, INDIA. Ph.: 020-24526800 upto 899
Hosp. Reg. No.: LCBP201200003



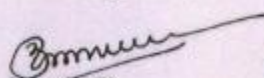
Letter of Approval

We the management of Rao Nursing Home are hereby allowing the below mentioned 5th Year Pharm. D (Doctor of Pharmacy) students for carrying out an external project.


1. Divya B. Hagawane
2. Pranav S. Yelamkar
3. Atharva P. Nanday
4. Muskan R. Radhanpura

These students will be conducting the research for the period of 3 months (January 2023 to March 2023) and will be visiting Rao Nursing Home.

Thanking You,


Head HR
Rao Nursing Home.




Principal
P. E. S. Modern College of Pharmacy
Sector No 21, Yamunanagar, Nigdi,
Pune - 411 044.

E-mail : info@rnhpune.com | Web : www.rnhpune.com



[Signature]
Principal
P. E. Modern College of Pharmacy
Sector No 21, Yashwantrao Nagar, Nigdi,
Pune - 411 044.



[Signature]
Principal
P. E. Modern College of Pharmacy
Sector No 21, Yashwantrao Nagar, Nigdi,
Pune - 411 044.





MOU with Indrayani hospital and cancer Institute, Pune

Summary of activities under MOU

| Sr no | Acad emic Year | Name of faculty | Name of Activity | Name of title | No of beneficiaries | Start Date | End Date |
|-------|---------------------------|--------------------|------------------------|---|---------------------|------------|------------|
| 1. | 2022-2023 | Dr. Anjali Kumbhar | Collaborative Research | Assessment of drug-related problems among cervical cancer patients. | 4 | 23/12/2022 | 29/05/2023 |



**Progressive Education Society's
MODERN COLLEGE OF PHARMACY**
Accredited by NAAC & NBA (B.Pharm. 2019 to June 2022)
'Best College Award' by Savitribai Phule Pune University

Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS). Permanently affiliated to
Savitribai Phule Pune University, Pune & Approved under Section (2 (f) & 12 (B) of UGC Act, 1956

Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044. (M.S.) Tel. : 020-27661314 / 15
E-mail : mcpnigdi44@gmail.com Website : www.mcop.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. Gajanan R. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council
P.E.Society, Pune

Ref: mcp/170V/2022-23/21/ Date: 21/12/2022

**MEMORANDUM OF UNDERSTANDING
FOR THE PROJECT ON
INTER - INSTITUTIONAL RESEARCH STUDY FOR
ASSESSMENT OF DRUG RELATED PROBLEMS IN UTERINE CERVIX
CARCINOMA PATIENTS**

BETWEEN



**Shree Narsimha Saraswati Medical Foundation,
Indrayani Hospital & Cancer Institute,
Alandi-Chakan Road, Alandi Devachi,
Tal – Khed, Dist. - Pune, 412105**

**Dr. Asma Pathan
Principal Investigator
Indrayani Hospital & Cancer Institute.**

AND

**Progressive Education Society's
Modern College of Pharmacy,
Sector 21, Yamunanagar,
Nigadi, Pune-44.**

**Dr. Anjali R Kumbhar
Principal Investigator
Modern College of Pharmacy,
Nigadi, Pune-44.**


Principal
STRIVING TOWARDS EXCELLENCE FOREVER
Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Memorandum of Understanding for Academic Research & Development

This Memorandum of Understanding ("MOU") is made by and Executed on this day of December 2022 by and between the **Indrayani Hospital & Cancer Institute**, having address at **Alandi-Chakan Road, Alandi Devachi, Tal – Khed, Dist.- Pune, 412105**.

(Hereinafter referred to as the "**Provider**" which expression shall, unless it be repugnant to the context or meaning thereof, be deemed to mean and include its successors and assigns),

Dr. Asma Pathan, Indrayani Hospital & Cancer Institute, Alandi-Chakan Road, Alandi Devachi, Tal – Khed, Dist.- Pune, 412105. (Hereinafter referred to as "**Provider PI**")

And

The **PES's Modern College of Pharmacy**, having address at **Sector 21, Yamunanagar, Nigadi, Pune-44** (Hereinafter referred to as the "**Recipient**" which expression shall, unless it be repugnant to the context or meaning thereof, be deemed to mean and include its successors and assigns)

Dr. Anjali R Kumbhar, Principal Investigator at PES's Modern College of Pharmacy (hereinafter referred to as "**Recipient PI**").

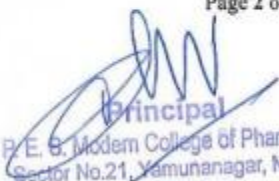
The Provider, the Provider PI, the Recipient, and the Recipient PI shall individually be referred to as "**Party**" and shall collectively be referred to as "**Parties**".

AND WHEREAS the Provider is an Institute engaging in research studies Indrayani Hospital & Cancer Institute, Alandi-Chakan Road, Alandi Devachi, Tal – Khed, Dist.- Pune, 412105.

AND WHEREAS the Recipient is an Institute engaging in research studies situated at PES's Modern College of Pharmacy.



Page 2 of 10


Principal
P.E.S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



AND WHEREAS the collaboration among the two institutions will provide an opportunity to study the outcomes Assessment of drug related problems in uterine cervix carcinoma patients and examine drug-related problems and pharmaceutical interventions along with estimate the prevalence of drugs related problems among a sample of patient treated with chemotherapeutic agent.

AND WHEREAS the Parties are interested in collecting and sharing the data on Chemotherapy of Cervical Cancer. The joint effort intends to create a large database of the patients managed by Chemotherapy of Cervical Cancer.

AND WHEREAS the Provider and the Recipient wish to jointly undertake the retrospective research study titled "Assessment of drug related problems in uterine cervix carcinoma patients," which is to be conducted according to the Provider's protocol titled "Assessment of drug related problems in uterine cervix carcinoma patients"(the "Protocol"), which shall be treated as part and parcel of the MoU. The study is estimated to commence in December 2022 and is estimated to conclude by December 2023.

AND WHEREAS the Provider and Recipient have decided to collaborate and to analyze the various outcomes and results of the **Assessment of drug related problems in uterine cervix carcinoma patients** under terms and conditions mutually agreed upon which the Parties hereto intent to record as follows.


NOW THIS MOU WITNESSETH AND IT IS HEREBY AGREED BY AND BETWEEN THE PARTIES HERETO AS FOLLOWS:

A. DATA TRANSFER:

1. Provider shall provide the Recipient with access to certain limited dataset pertaining to the demographic, clinical, treatment and outcome details, including information and data that is directly or indirectly referable to natural person 50 – 100 patients of Cervical Cancer Patient as part of the Study.
2. The Recipient PI, **Dr. Anjali R Kumbhar**, will be designated the Recipient's custodian of the Data. Recipient PI will be responsible for complying and will ensure that all study team members and all other researchers, investigators, and staff of the Recipient under the supervision of the Recipient PI with access to the Data (**Study Members - Ms. Esha**

Page 3 of 10




Principal
P.E.S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044



Patel, Ms. Sumedha Savane, Mr. Abhishek Khaire and Mr. Avinash Shinde). Comply, with all conditions of use under this MOU. Recipient agrees to provide Provider notice within thirty (30) calendar days of any change of custodianship.

3. The Recipient PI and Study Team Members, on the Recipient's behalf, may use the data only for the purpose(s) of performing the research project titled "Assessment of drug related problems in uterine cervix carcinoma patients".
4. The Recipient shall be responsible for processing the Data and shall ensure that any Data relating to a Study Patient or the Provider PI is collected, stored, used, and disclosed in accordance with all applicable privacy laws.
5. The ownership of the Data provided by the Provider during and for the Study will vest with the Provider. The Data shall be stored for the purpose of the Study at **Modern College of Pharmacy** during the study duration, after which the Data shall not be accessed by the Recipient, the Recipient PI, or the Study Team Members. No person other than the Provider, the Provider PI, the Recipient PI and the Study Team Members shall have access to the Data during and after the termination or expiry of this MOU. The foregoing obligation will survive any expiration or termination of this MOU

B. AREAS OF CO-OPERATION:

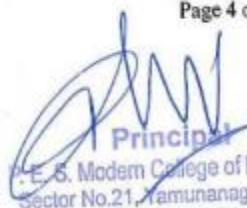
Dr. Asma Pathan, Indrayani Hospital & Cancer Institute, Alandi. and Dr. Anjali R Kumbhar, PES's Modern College of Pharmacy Nigadi, Pune-44. Will coordinate on behalf of the Parties respectively.

C. PUBLICATION POLICY:

1. Any publication resulting from this work will have authorship from all the participating institutes depending upon the contribution in particular aspect.
2. Dr. Asma Pathan and Dr. Anjali R Kumbhar will have the authority to decide the authors of their respective groups which will be in accordance with the contribution of the authors.

Page 4 of 10




Principal
P.E.S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



D. FUNDING:

No funding is required to carry out the collection and sharing of Data.

E. CONFIDENTIALITY:

The Parties hereto acknowledge that, in the course of their activities under this MOU, it may be necessary for one Party to provide documentation, technical and/or intellectual property ("Confidential Information") to the other Party. All Confidential Information provided or disclosed by either Party hereunder shall remain the property of the furnishing Party, and shall be held in strict confidence by the receiving Party, unless the furnishing Party otherwise consents in writing or unless disclosure of such Confidential Information is required by law.

F. FINALITY:

This MOU embodies the entire agreement and understanding between the Parties hereto relating to the subject matter hereof and there are no understandings, agreements, conditions or representations, oral or written, expressed or implied, with reference to the subject matter hereof that are not merged herein or superseded hereby. No modification hereof shall be of any force or effect unless reduced to writing and signed by the Parties claimed to be bound thereby.

G. TERM AND TERMINATION:

This MOU shall become effective from the later date of execution hereof and will remain in effect until modified or terminated by mutual consent. The Provider maintains the right to terminate the MOU forth with in case of breach of any terms and conditions of the MOU by the Recipient or if the Provider believes in good faith that the association has or will seriously damage the Provider's reputation. In the absence of mutual consent for termination hereof by the authorized officials of the Parties here to, this MOU shall end on 30st Nov 2023.

H. SUCCESSORS AND ASSIGNMENT:

Page 5 of 10




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Neither of the Parties hereto may assign their rights or obligations under this MOU to any third party or parties without the prior written consent of the other Party. The provisions of this MOU shall inure to the benefit of, and shall be binding upon, the successors and permitted assigns of the Parties hereto.

I. INDEMNITY

Excluding for any intervening or contributory factors by the other Party or the other Party's employees, agents, and representatives, or by any other third party, each Party agrees to be responsible solely for its own acts, negligence, and willful misconduct and those of its employees, staff, representatives and agents in the performance of the Research under this MOU. The Provider will not be liable to the Recipient for any loss, claim, or demand made against the Recipient by another third party due to or arising from the use of the Data by the Recipient, except to the extent permitted by law when due to or resulting from the negligence, malfeasance, breach of law, or willful misconduct of the Provider. The Recipient is liable to the Provider for indemnification arising from any loss, claim, damage, or liability arising out of or in connection with any unauthorized use or disclosure of Data or any other breach by the recipient or any of its subcontractors or agents. The said indemnification will survive any expiration or termination of this MOU.

J. AMENDMENT

Except as specifically provided in this MOU, no amendment or change in the provisions of this MOU or of any exhibit shall be effective or binding upon either Party unless in writing executed by the authorized representatives of both Parties. This MOU shall be construed without regard to any presumption or rule requiring construction or interpretation against the Party drafting an instrument or causing any instrument to be drafted.

K. FORCE MAJEURE

If any Party is delayed or prevented from the performance of any act required under the MoU by reason of any act of god, act of nature, including any epidemic or outbreak of pandemic disease, fire, act of government or state, war, civil commotion, insurrection, embargo, prevention from or hindrance obtaining raw material, energy or other supplies, labour disputes of whatever nature or

Page 6 of 10




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 004



whatever reason beyond the control of the Party, performance of such act shall be excused for the period of such event provided that if such interference lasts for any period in excess of thirty (30) days, each Party may, by written notice to the others, modify this MoU s agreed between the Parties.

L. INDEPENDENT CONTRACTOR

In undertaking to perform its, his or her respective services here under, the Provider and Provider PI are doing so as independent contractors in relation to the Recipient and the Recipient PI, and not as their employees or agents.

M. SEVERABILITY:

If any term of this MOU is held by a court of competent jurisdiction to be invalid or unenforceable, then this MOU including all of the remaining terms, will remain in full force and effect as if such invalid or unenforceable term had never been included. This MOU shall be governed by the laws of India, without regard to its conflicts of law principles, and Parties agree to the exclusive jurisdiction and venue of the state and federal courts in city of Mumbai (without restricting any rights of appeal). Each Party agrees that all claims and matters may be heard and determined in any such court and each Party waives any right to object to such action on venue, forum non conveniens, or similar grounds.

N. NO IMPLIED WAIVER:

Either Party's failure to insist in any one or more instances upon strict performance by the other Party of any of the terms of this MOU shall not be construed as a waiver of any continuing or subsequent failure to perform or delay in performance of any term hereof.


O. NOTICES:

Any communication to be given in connection with this MOU shall be in writing and may be sent by duly acknowledged email, personal delivery or by registered post addressed to the Parties at the addresses mentioned hereinabove:-

- 1. Dr. Asma Pathan**
Medical Oncologist,

Page 7 of 10




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Address: Indrayani Hospital & Cancer Institute,
Alandi-Chakan Road, Alandi Devachi,
Tal – Khed, Dist.- Pune, 412105
Phone +91 8007167716.
Email:

2. **Dr. Anjali R Kumbhar,**
Assistant Professor
Address: PES's Modern College of Pharmacy,
Sector 21, Yamunanagar, Nigadi, Pune-44.
Phone +91 9503750187.
Email: dranjali5995@gmail.com

P. COUNTER PARTS:


This MOU may be executed in two (2) or more identical counterparts, all of which shall be considered one and the same MOU and shall become effective when counterparts have been signed by each Party and delivered to the other Party.

IN WITNESS WHEREOF, the Parties hereto have caused this MOU to be executed by their duly authorized representatives, effective as of the later date below written.

Signed, Sealed & Delivered by:

Indrayani Hospital & Cancer Institute, Alandi.


Through


Dr. Sanjay Deshmukh
Managing trustee
Indrayani Hospital and Cancer Institute.



Page 8 of 10




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Date:

Signed, Sealed & Delivered by:

PES's Modern College of Pharmacy,
Nigdi, Pune-44.

Through
Dr. Praveen D Chaudhari
Principal, MCOP, Nigdi, Pune-44.

Date:

Signed, Sealed & Delivered by:

Indrayani Hospital & Cancer Institute, Alandi.

Through
Dr. Asma Pathan.
Medical Oncologist.
Indrayani Hospital & Cancer Institute, Alandi.

Dr. Asma Pathan
MBBS, MD (General Medicine)
DNB (Medical Oncology)
Reg no 324/10/2013



Signed, Sealed & Delivered by:


PES's Modern College of Pharmacy,
Nigdi, Pune-44.



Page 9 of 10


Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.





Through
Dr. Anjali R. Kumbhar.
Assistant Professor
MCOP, Nigdi, Pune-44.


Dr. Manjiri Joshi
Witness
Indrayani Hospital & Cancer Institute, Alandi.




Dr. Rohin Chavan.
Witness
MCOP, Nigdi, Pune-44.




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Progressive Education Society's
MODERN COLLEGE OF PHARMACY

Accredited by NAAC & NBA
DST FIST Funded College

'Best College Award' by Savitribai Phule Pune University

Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently affiliated to
Savitribai Phule Pune University, Pune & Approved under Section (2 (f) & 12 (B) of UGC Act, 1956

Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044. (M.S.) Tel. : 020-27661314 / 15

E-mail : mcpnigdi44@gmail.com Website : www.mcop.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. Gajanan R. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council
P.E. Society, Pune

Ref :

Date : 06/06/2023

Summary of Activity done under MOU Year wise

Name of concern Organization: Indrayani cancer hospital, Khed. Pune.

Date of MOU: 21/12/2022 To 30/11/2023

Validity Period of MOU: 11 Months

| Sr no | Acad emic Year | Name of faculty | Name of Activity | Name of title | No of beneficiaries | Start Date | End Date |
|-------|----------------|--------------------|------------------------|---|---------------------|------------|------------|
| I. | 2022-2023 | Dr. Anjali Kumbhar | Collaborative Research | Assessment of drug-related problems among cervical cancer patients. | 4 | 23/12/2022 | 29/05/2023 |



Dr. Pravin D. Chaudhari
Principal and Professor



MoU Incharge
Indrayani cancer hospital

STRIVING TOWARDS EXCELLENCE FOREVER

2022-2023

 **SHREE NARSIMHA SARASWATI MEDICAL FOUNDATION
INDRAYANI HOSPITAL & CANCER INSTITUTE** 

To,

Dr. Anjali R. Kumbhar,
Assistant Professor,
Dept. of Doctor of Pharmacy,
Modern College of Pharmacy,
Nigdi, Pune-44,

Date:

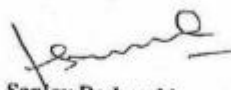
Subject: Approval letter to collect research data from Indrayani Hospital And Cancer Institute for thesis.


Dear Dr. Anajali,

With reference to your email, seeking permission to collect data from Indrayani Hospital And Cancer Institute for a study titled "Assessment of drug related problems among cervical cancer patients." for your proposed thesis, I would like to inform you that your students


Mr. Abhishek H. Khaire,
Ms. Sumedha A Savane
Ms. Esha A Patel
Mr. Avinash S Shinde are allowed to collect the required information from patients and their relatives by adhering to the following Conditions.


- 1) Your research proposal is accepted by the University authorities.
- 2) Your research work should not cause any disturbance in the functioning of hospital and treatment of patients.
- 3) Participants will be informed about the purpose and procedures involved in the research.
- 4) Written consent will be obtained from the participants.
- 5) Research procedure should not be causing any physical, emotional or psychological harm to the participants.
- 6) Participants are allowed to withdraw their participation at any point of study.
- 7) Debriefing will be done at the end of the data collection.


Dr. Sanjay Deshmukh
Managing Trustee
Indrayani Hospital and Cancer Institute
Alandi-Chakan Road, Alandi,
Pune, Maharashtra.



**Shree Narsimha Saraswati Medical Foundation
Indrayani Hospital & Cancer Institute**




Principal
P.E.S. Modern College of Pharmacy
Sector No 21, Yamunanagar, Nigdi,
Pune - 411 044.



**SHREE NARSIMHA SARASWATI MEDICAL FOUNDATION
INDRAYANI HOSPITAL & CANCER INSTITUTE**



To,

Dr. Anjali R. Kumbhar,
Assistant Professor,
Dept. of Doctor of Pharmacy,
Modern College of Pharmacy,
Nigdi, Pune-44,

Date:

Subject: Approval letter to collect research data from Indrayani Hospital And Cancer Institute for thesis.

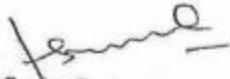
Dear Dr. Anajali,

With reference to your email, seeking permission to collect data from Indrayani Hospital And Cancer Institute for a study titled "Assessment of drug related problems among cervical cancer patients." for your proposed thesis, I would like to inform you that your students

Mr. Abhishek H. Khaire,
Ms. Sumedha A Savane
Ms. Esha A Patel

Mr. Avinash S Shinde are allowed to collect the required information from patients and their relatives by adhering to the following Conditions.


- 1) Your research proposal is accepted by the University authorities.
- 2) Your research work should not cause any disturbance in the functioning of hospital and treatment of patients.
- 3) Participants will be informed about the purpose and procedures involved in the research.
- 4) Written consent will be obtained from the participants.
- 5) Research procedure should not be causing any physical, emotional or psychological harm to the participants.
- 6) Participants are allowed to withdraw their participation at any point of study.
- 7) Debriefing will be done at the end of the data collection.


Dr. Sanjay Deshmukh
Managing Trustee
Indrayani Hospital and Cancer Institute
Alandi-Chakan Road, Alandi,
Pune, Maharashtra.



**Shree Narsimha Saraswati Medical Foundation
Indrayani Hospital & Cancer Institute**




Principal
P.E.S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



5th year Pharm D Project Presentation Report-2022-23

(THIRD REPORT)

Name of the Students: Mr. Abhishek Khaire, Ms. Esha Patel, Ms. Sumedha Savane,
Mr. Avinash Shinde

Roll Number of the student: PD 512, PD 523, PD 527, PD 529

Name of the Research Guide: Dr. Anjali Kumbhar

Title of Research work: *Assessment of drug related problems in uterine cervix carcinoma patients*

Date of Dept./Hospital HOD Approval:- 6th January 2023; 28th November 2022 (Indrayani Hospital and Cancer Institute Alandi.

Reporting to guides and co-guides. Satisfactory

Attendance (By Guide/CT) ... Regular

Comments: (Details of the progress of the project):

| Name | Project Contribution |
|-----------------------------|--|
| Abhishek H. Khaire (PD 512) | 1. Data collection, Data entry, Data analysis, Data collection Form, Patient Consent Form, Translation English to Marathi and back translation. 2. Thesis: Diagnosis, Graph editing with Calculation. Literature Review (Articles Finding) |
| Esha A. Patel (PD 523) | 1. Data collection, Data entry, Data analysis, Complete Literature review with articles finding, Protocol design, Data collection form, Departmental protocol, Patient information sheet, Patient consent form, 2 nd report, full 2nd Presentation preparation with graphs , 3 rd report presentation, 3rd report 2. Thesis: Abstract, Introduction , treatment, guideline, result and discussion , conclusion 3. Complete Thesis Editing |
| Sumedha A. Savane (PD 527) | 1. Data collection, Data entry, Data analysis, Protocol design, Data collection form, Literature Review (Articles Finding), Data collection form, Google form, Departmental protocol (Introduction and Methodology), 2 nd report (half data analysis), 2nd presentation (half data analysis), 3 rd report presentation 2. Thesis: Risk factors, epidemiology, pathogenesis, clinical manifestations ,Diagnosis ,charts ,graph ,tables, abbreviations 3. Complete Thesis Editing (also including Certificate editing) |
| Avinash S. Shinde (PD 529) | 1. Data collection, Data entry, Data analysis , Patient Consent Form , Literature Review (Articles Finding) 2. Thesis: Epidemiology ,Graph editing |



Principal

P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.







PES's MODERN COLLEGE OF PHARMACY, NIGDI, PUNE- 44


(ACCREDITED BY NBA & NAAC)

CERTIFICATE BY THE GUIDE

This is to certify that the research work presented in this thesis entitled "Assessment of Drug Related Problems Among Uterine Cervix Carcinoma Patients" submitted for degree of Doctor of Pharmacy, is the record of research work carried out by Mr. Abhishek H. Khaire, Miss. Esha A. Patel, Miss. Sumedha A. Savane and Mr. Avinash S. Shinde under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 09/06/2023

Place: Nigdi


Dr. Anjali Kumbhar

(Assistant Professor)

Research Guide




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

"Assessment of Drug Related Problems Among Uterine Cervix Carcinoma Patients"



*Assessment of Drug Related Problems Among Uterine
Cervix Carcinoma Patients*

LETTER OF APPROVAL

The topic has been discussed and approved by the departmental faculty members.

Dr. S. B. Pawar
Head & Associate Professor
Department of Pharm. D

Dr. A. R. Kumbhar
Assistant Professor,
Department of Pharm. D

Dr. R. P. Chavan
Assistant Professor,
Department of Pharm. D

Dr. R. B. Mali
Assistant Professor
Department of Pharm. D

Dr. M. S. Khaparde
Assistant Professor,
Department of Pharm. D

Mr. S. R. Savadekar
Assistant Professor
Department of Pharm. D



Principal
P. E. S. Modern College of Pharmacy
Sector No. 21, Yamunanagar, Nigdi,
Pune - 411 044.

"Assessment of Drug Related Problems Among Uterine Cervix Carcinoma Patients"



MOU with MAGS IATRC Research & Training Pvt Ltd, Pune

Summary of activities under MOU

| Sr no | Academic Year | Name of Activity | No of beneficiaries | Start Date | End Date |
|-------|---------------------------|------------------|---------------------|------------|------------|
| 1 | 2022-2023 | Industrial Visit | 39 | 10/11/2022 | 11/11/2022 |



**MAGS-IATRC RESEARCH AND TRAINING
PRIVATE LIMITED**

Mukta Heights, 2nd Floor, PAP J-151/152, Telco Rd, near Quality Circle Forum of India,
MIDC, Bhosari, Pune, Maharashtra 411026
Mobile No. 9763140625, 9860450999

CIN No. U73200PN2021PTC207224 UDYAM R.NO. UDYAM-MH-16-0204149

E Mail Id: mags.iatrc@gmail.com, magslab14@gmail.com,

www.mags-lab.com

Ref: .

Date: 15/9/2022

MEMORANDUM OF UNDERSTANDING

BETWEEN

MAGS IATRC Research & Training Pvt Ltd, Mukta Heights , Plot J-PAP 151/152,
2nd Floor, Gaval Matha, Near Quality Circle Forum of India, Nigdi - Bhosari
Road, Bhosari Telco Rd, Bhosari, Pune, Maharashtra, India 411026 which is
represented by its Director named Dr. Govind Deshpande here in named as
party one


AND

Progressive Education Society's Modern College of Pharmacy Sector 21,
Yamunanagar, Nigdi, Pune, Maharashtra, India -411044, which is represented by
its principal named Dr. Pravin D. Chaudhari here in named as party two

THIS MEMORANDUM OF UNDERSTANDING IS MADE AT PUNE ON 15th September 2022

Page 1 of 5




Principal
P. E. S. Modern College of Pharmacy
Sector No 21, Yamunanagar, Nigdi,
Pune - 411 044.



WHEREAS

The First Party is MAGS IATRS Research and Training Pvt Ltd company is registered under Government of India and approved by Ministry of corporate affairs Government of India by the companies act, 1956 (No. 1 of 1956). Company is situated in MIDC Bhosari, Pimpri Chinchwad, Pune, which is the well-known/famous educational and industrial hubs in Asia. MAGS IATRS Pvt Ltd, is a pharmaceutical research and training centre. It is well equipped with state of art instruments and provide Hands on Industrial Training for modern Analytical equipment for research work, project work for Ph D/M Pharm, B pharm, Msc and Bsc students.

WHEREAS

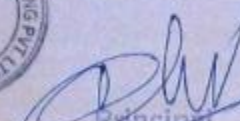
Second Party is Educational Institute/College named Progressive Education Society's Modern College of Pharmacy Sector 21, Yamunanagar, Nigdi, Pune-411044. It is the amongst the premium Pharmacy institutes imparting quality education in a sector of Pharmaceutical Sciences as well as carrying out research in Pharmaceutical Sciences. It is established in 1998 in Pimpri-Chinchwad Industrial belt and run by Progressive Education Society Pune-5. It offers Undergraduate (B. Pharm.), Pharm D, Post graduate (M. Pharm) and Doctoral courses (Ph.D) in Pharmacy. All the courses are recognized by Pharmacy Council of India (PCI), Institute is affiliated to Savitribai Phule Pune University, Pune, Approved by All India Council for Technical Education (AICTE), Maharashtra State Board of Technical Education and also approved under 2(f) and 12 (B) of the UGC Act. With the relentless efforts of dedicated and competent faculty, up-dated curriculum, innovative methods of instructions top end infrastructure and sturdy support of management, it has emerged as a center of academic excellence and attracting students from all over India. Whereas it is also engaged in research in Pharmaceutical Sciences.

WHEREAS both the parties hereby covenant to adhere with following terms for entering into this Memorandum of Understanding:

- Both the parties shall maintain permanent channels of communication for exchange of information, facilities and research under Collaborative research projects, Industrial visit, Student Internship, Sharing expertise in Both ways, Demonstration of Equipment or new technology, Use of facilities at the end of both parties, Sharing library facilities. Seeking

Page 2 of 5




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



feedback on curriculum, co-curricular and extracurricular activities also involve in Co-organizing Seminar, Conferences and Workshops.

- Both the parties shall explore possibilities of updating the respective information technology systems if required.

GOALS AND OBJECTIVES

Both the parties being in the field of imparting knowledge have agreed to collaborate to with following objects:

1. The purpose of this MOU is to continue to develop and expand a framework of cooperation between the First Party and Second party to develop mutually beneficial research projects and professionally competent ethically sound, skilled pharmacist at par with global standards.
2. Both the parties have agreed to work in the areas of mutual interest such as
 - Collaborative research projects
 - Industrial visit
 - Student internship
 - Sharing expertise in Both ways.
 - Demonstration of equipment or new technology
 - Use of facilities at the end of both parties
 - Sharing library facilities
 - Seeking feedback on curriculum, co-curricular and extracurricular activities
 - Co-organizing Seminar, Conferences and Workshops
3. Recognizing the Importance of institutes of higher education's role in promoting collaboration and increased contribution of social economic development.

NOW THEREFORE THIS MEMORANDUM OF UNDERSTANDING WITNESSE AS UNDER

1. **Field of Co-Operation:** Co-operation between both the parties may be established within any field related to science and technology of mutual interest and in particular fields of Collaborative research projects, Industrial visit, Student internship, Sharing expertise in Both ways, Demonstration of Equipment or new technology, Use of facilities at the end of both parties, Sharing library facilities, Seeking feedback on curriculum co-curricular

Page 3 of 5




Principal

P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



and extracurricular activities as well as involve in Co-organizing Seminar, Conferences and Workshops.

2. **Management and Administration:** Negotiation, implementation and co-operation of the Memorandum of Understanding fall under the responsibility of both the parties.

3. **General Provisions:**

a. Both the parties will carry out collaborative research activities, as a follow up to this Memorandum of Understanding. The activities must be carried out in accordance with appropriate laws of India for the time being in force.

b. BOTH THE PARTY may allot such joint projects to B. Pharm, M.Pharm, Pharm D and Ph.D. students with the help of the staff and students of their organization. The required equipment for carrying out the R & D activity other than those available with FIRST PARTY and are to be made available by SECOND PARTY and Vice Versa or suitable assistance shall be borne by the BOTH THE PARTIES for getting such work done.

c. The faculty, students and employees from both parties can freely interact on the joint research project. The faculty and the students can share the Laboratory and Instrumental facilities for smooth functioning of the project.

d. The findings of the research work shall be published or patent jointly by the parties.

e. If the results of this joint project are able to attract commercial utilization, then the financial benefit shall be shared between the two parties equally or through any mutually agreed arrangements.


f. Both parties should follow rules and regulations during said activities in the premises.

4. **Amendments:** This Memorandum of Understanding may be amended, if required, by mutual agreement between both the parties, formalized by an exchange of letters specifying the date of entry into force.

5. **Settlement of Disputes:** Any dispute which may arise in connection with the interpretation or enforcement of this Memorandum of Understanding shall be strived to be settled by mutual consultation between both the parties and for the purpose of settlement of dispute the jurisdiction shall be within the limits of Pune.

Page 4 of 5

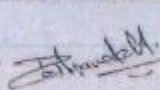

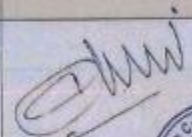




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.







6. **Termination:** Either Party may terminate this Memorandum of Understanding at any time with at least 90 days prior written notice to the other Party. The early termination of this Memorandum of Understanding will not affect the completion of any co-operation measures that were agreed under the annual work programs whilst it was in force.

7. **Valid period:** This MOU shall take effect from the date of its signing and shall be valid for the period of 10 (Ten) years from the date on which it came into force.

Signed in Pune on 15/09/2022 in two original in English language.


| | | | |
|-----------------------------|---|------------------------------|--|
| For Party of the First Part | MAGS IATRC Research & Training Pvt Ltd, Mukta Heights , Plot J-PAP 151/152, 2nd Floor, Gavali Matha, Near Quality Circle Forum of India, Nigdi - Bhosari Road, Bhosari Telco Rd, Bhosari, Pune, Maharashtra, India-411026 | For Party of the Second Part | Progressive Education Society's Modern College of Pharmacy Sector 21, Yamunanagar, Nigdi, Pune, Maharashtra, India- 411044 |
| Signature with seal |   | Signature with seal |   |
| Designation | Director | Designation | Principal and Professor |
| Name | Dr. Govind Deshpande, Email ID: mags.iatrc@gmail.com magslab14@gmail.com Contact: 9763140625, 9860450090 | Name | Dr. Pravin D. Chaudhari Email ID: pdchaudhari21@rediffmail.com Contact: 9850179873 |
| Date | 15/09/2022 | Date | 15/09/2022 |




|  Progressive Education Society's MODERN COLLEGE OF PHARMACY Accredited by NAAC & NBA DST FIST Funded College 'Best College Award' by Savitribai Phule Pune University |  | | | | | | | | | | | | |
|---|---|------------------|---------------------|------------------|---------------------|------------|----------|---|-----------|------------------|----|------------|------------|
| Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi, Directorate of Technical Education, Mumbai (MS), Permanently affiliated to Savitribai Phule Pune University, Pune & Approved under Section (2 (f) & 12 (B) of UGC Act, 1956 | | | | | | | | | | | | | |
| Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044. (M.S.) Tel. : 020-27661314 / 15 E-mail : mcpnigdi44@gmail.com Website : www.mcop.org.in | | | | | | | | | | | | | |
| Prof. Dr. P. D. Chaudhari M.Pharm., Ph.D. Principal | Prof. Dr. Gajanan R. Ekbote M.S., M.N.A.M.S. Chairman, Business Council P.E. Society, Pune | | | | | | | | | | | | |
| Ref : | Date : 06/06/2023 | | | | | | | | | | | | |
| Summary of Activity done under MOU Year wise | | | | | | | | | | | | | |
| Name of concern Industry: MAGS IATRC Research & Training Pvt Ltd, Bhosari, Pune | | | | | | | | | | | | | |
| Date of MOU: 15/09/2022 to 14/09/2032 | | | | | | | | | | | | | |
| Validity Period of MOU: 10 years | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"><thead><tr><th>Sr no</th><th>Academic Year</th><th>Name of Activity</th><th>No of beneficiaries</th><th>Start Date</th><th>End Date</th></tr></thead><tbody><tr><td>I</td><td>2022-2023</td><td>Industrial Visit</td><td>39</td><td>10/11/2022</td><td>11/11/2022</td></tr></tbody></table> | | Sr no | Academic Year | Name of Activity | No of beneficiaries | Start Date | End Date | I | 2022-2023 | Industrial Visit | 39 | 10/11/2022 | 11/11/2022 |
| Sr no | Academic Year | Name of Activity | No of beneficiaries | Start Date | End Date | | | | | | | | |
| I | 2022-2023 | Industrial Visit | 39 | 10/11/2022 | 11/11/2022 | | | | | | | | |
|  Dr. P. D. Chaudhari Principal and Professor |  MoU Incharge MAGS IATRC Research & Training Pvt Ltd | | | | | | | | | | | | |
|  |  | | | | | | | | | | | | |
| STRIVING TOWARDS EXCELLENCE FOREVER | | | | | | | | | | | | | |



2022-2023

 Progressive Education Society's
MODERN COLLEGE OF PHARMACY
Accredited by 'NAAC'
'Best College Award' by Savitribai Phule Pune University



Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently affiliated to
Savitribai Phule Pune University, Pune & Approved under Section (2 (I) & 12 (B) of UGC Act, 1956)

Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044. (M.S.) Tel. : 020-27661315 Fax : 020-27661314
E-mail : mcpnigdi44@gmail.com Website : www.mcop.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. Gajanan R. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council
P.E. Society, Pune

Ref. : MCP/TL/2022-23/155 Date : 09/11/2022

To
The Manager/ Director
MAGS-IARTC Research and Training Pvt. Ltd.
MIDC Bhosari Pune, Maharashtra.

Dear Sir,

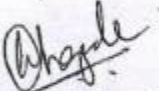
We are thankful to you for accepted our request for two day hands on training and Industry visit to our students and faculty members.




It was a great pleasure for us to have provided the real insight of working procedure of your esteemed organization for our students on 10/11/2022 & 11/11/2022

We again thank you for sparing your valuable time with us. We are sure that you will always be there to help us at every critical turn and we look forward to continuous association with you in future.

Thanking You.

Yours truly,


Dr V. V. Chopade
Incharge




Dr. P. D. Chaudhari
Principal
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



PES Modern College of Pharmacy, Nigdi, Pune-44

Attendance of students for Industry Visit

Name of Place: MAGS-IARTC Research and Training Pvt. Ltd. MIDC Bhosari Pune, Maharashtra.

Time for reach at Industry: 01:45 PM, Name of class: B. Pharm and M Pharm

Date: 10/11/2022 & 11/11/2022 (Thursday & Friday)

Time for departure from college: 1:15 pm

| Sr. No | Name of Students | Signature |
|--------|---------------------|-----------|
| 1. | Shilpa Biradar | |
| 2. | Yogish Garhwani | |
| 3. | Rushikesh Khorde | |
| 4. | Aishwarya Mahangade | |
| 5. | Gaurav Mahajan | |
| 6. | Rutuja Maske | |
| 7. | Tushar Phalke | |
| 8. | Priyanka Pote | |
| 9. | Yashoda Tidke | |
| 10. | Apurva Wabale | |
| 11. | Shefali Wankhede | |
| 12. | Shivam Chaudhari | |
| 13. | Harshada Chattar | |
| 14. | Sidheshwar Jadhav | |
| 15. | Vrushali Kharate | |
| 16. | Manisha Salunkhe | |
| 17. | Pooja Wadgave | |
| 18. | Dipali Thete | |
| 19. | Preesara Bambale. | |
| 20. | | |



Faculty: Dr. Minal Harde, Prof Shital Patil

Dr. V V Chopade
Principal
P. E. Modern College of Pharmacy
Sector No 21, Yamunanagar, Nigdi,
Pune - 411 044.



Dr. P. D. Chaudhari
Principal



PES Modern College of Pharmacy, Nigdi, Pune-44

List of students selected for Industry Visit

Name of Place: MAGS-IARTC Research and Training Pvt. Ltd. MIDC Bhosari Pune, Maharashtra.

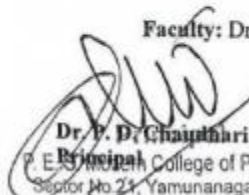
Time for reach at Industry: 11:00Am , Name of class: B Pharm

Date: 11/11/2022 Friday

Time for departure from college: 10:30 am

| Sr. No | Name of Students |
|--------|------------------------------|
| 1. | Tandlekar Priyanka Pandurang |
| 2. | Tapkir Rohit Ganesh |
| 3. | Telang Akansha Gangadhar |
| 4. | Thite Mohini Laxman |
| 5. | Tole Adwait Pranesh |
| 6. | Tupe Samadhan Kisan |
| 7. | Ukirde Deven Nilesh |
| 8. | Vanve Shubham Balu |
| 9. | Vikharankar Madhavi Sanjay |
| 10. | Wagh Shweta Sanjay |
| 11. | Waghire Nikhil Ravindra |
| 12. | Waghmare Shrinath Shantinath |
| 13. | Waghmode Harshita Shankar |
| 14. | Wakale Akash Vyankati |
| 15. | Wasule Anjali Raju |
| 16. | Wayal Rutuja Jijabhau |
| 17. | Yadav Dhanashree Nitin |
| 18. | Yenkure Kartik Ganesh |
| 19. | Yeole Sarvesh Sanjay |
| 20. | Zanwar Mansi Navalkishor |

Faculty: Dr. Amit Tapkir, Prof. Aarti Singhan


Dr. P. D. Chaudhari
Principal
P. E. S. Modern College of Pharmacy
Sector No 21, Yamunanagar, Nigdi,
Pune - 411 044.





P.E. Society's
Modern College of Pharmacy, Nigdi, Pune-44

REPORT OF INDUSTRY VISIT 2022-23

| Name of activity: Industry visit for Students and Staff | |
|---|---|
| 1. Name of Industry | MAGS-IARTC Research and Training Pvt. Ltd. MIDC Bhosari Pune, Maharashtra. |
| 2. Date of activity | 11/11/2022 |
| 3. Total no students participate | M Pharm - 19 B Pharm - 20 Total - 39 |
| 4. Occasion of activity | Industry Academic Interaction |
| 5. Place of visit | Analytical Lab |
| 6. Objectives of activity | 1. To get analytical knowledge, planning abilities, problem analysis, modern tool usage, professional identity, pharmaceutical ethics, life-long learning 2. To get importance of accuracy in practical's experiments 3. How to operate equipment's in lab. |
| 7. Training given by | Mr. Govind Deshpande |
| 8. Name of faculty with students | Dr. Minal Harde Dr. A S Tapkir Prof Shital Patil Prof A V Malusare Prof A V Shingan |
| 9. Activity co-coordinator | : Dr. Vitthal V Chopade |


Dr. V V Chopade
Industry Visit Incharge




Principal
P.E.S. Modern College of Pharmacy
Sector No 21, Yamunanagar, Nigdi,
Pune - 411 044.

Photo

INDUSTRY VISIT

11 NOV 2022

MAGS-IARTC Research and Training Pvt. Ltd.



Dr. V V Chopade
Industry Visit Incharge



Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

2




MOU with Passiflora Laboratories private Limited, Pune

Summary of activities under MOU

| Sr no | Academic Year | Name of Activity | No of beneficiaries | Start Date | End Date |
|-------|---------------------------|------------------|---------------------|------------|------------|
| 1 | 2022-2023 | Industrial Visit | 16 | 28/09/2022 | 28/09/2022 |



 **Passiflora Laboratories Pvt. Ltd.**
Milkat No. 453, Gat No. 389, Near Ghotawade Phata, Village- Bhare,
Tal.- Mulshi, Dist.- Pune 412115.

Date:- 01/07/2022

MEMORANDUM OF UNDERSTANDING


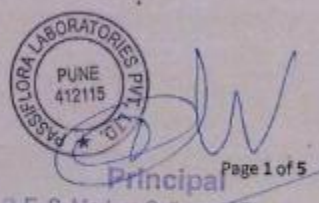
V

BETWEEN

Progressive Education Society's Modern College of Pharmacy Sector 21, Yamunanagar, Nigdi, Pune-411044, which is represented by its principal named Dr. Pravin D. Chaudhari here in named as party one

AND

Passiflora Laboratories Private Limited, Vanalika- Project, Wing 1-A, Flat no. 507 Gat No. 124, near lavale phata, pirangut pune, Pune, Maharashtra, India, 412115 here in named party two

Page 1 of 5

Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044
GSTIN : 27AAKCP5396F1ZY
CIN : U24110PN2019PTC184055

Contact Details : Mobile - +91 8010509463
Email - enquires@passifloraindia.com
Website - www.passifloraindia.com



THIS MEMORANDUM OF UNDERSTANDING IS MADE AT PUNE ON 1st JULY 2022

WHEREAS

The First Party is Educational Institute/College named as above. First Party is the amongst the premium Pharmacy institutes imparting quality education in a sector of Pharmaceutical Sciences as well as carrying out research in Pharmaceutical Sciences. It is established in 1998 in Pimpri-Chinchwad industrial belt and run by Progressive Education Society Pune-5. It offers Undergraduate (B. Pharm.), Pharm D, Post graduate (M. Pharm) and Doctoral courses (Ph.D) in Pharmacy. All the courses are recognized by Pharmacy Council of India (PCI), Institute is affiliated to Savitribai Phule Pune University, Pune, Approved by All India Council for Technical Education (AICTE), Maharashtra State Board of Technical Education and also approved under 2(f) and 12 (B) of the UGC Act. With the relentless efforts of dedicated and competent faculty, up-dated curriculum, innovative methods of instructions top end infrastructure and sturdy support of management, it has emerged as a center of academic excellence and attracting students from all over India. Whereas the second party is also engaged in research in Pharmaceutical Sciences.

WHEREAS

Second Party is Passiflora Laboratories Private Limited is Established in 2019. It is an emerging company that focus on making body and bath essentials. The company formulations, manufactures and fills a variety of skin and hair care products which nourishes skin. It focuses on providing effective cosmetic in hand of end-user.

WHEREAS both the parties hereby covenant to adhere with following terms for entering into this Memorandum of Understanding:

- Both the parties shall maintain permanent channels of communication for exchange of information, facilities and research under Collaborative research projects, Industrial visit, Student Internship, Sharing expertise in Both ways, Demonstration of Equipment or new technology, Use of facilities at the end of both parties, Sharing library facilities, Seeking feedback on curriculum, co-curricular and extracurricular activities also involve in Co-organizing Seminar, Conferences and Workshops.
- Both the parties shall explore possibilities of updating the respective information technology systems if required.



Page 2 of 5

[Signature]
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



GOALS AND OBJECTIVES

Both the parties being in the field of imparting knowledge have agreed to collaborate to with following objects:

1. The purpose of this MOU is to continue to develop and expand a framework of cooperation between the First Party and Second party to develop mutually beneficial research projects and professionally competent ethically sound, skilled pharmacist at par with global standards.
2. Both the parties have agreed to work in the areas of mutual interest such as
 - ✓ Collaborative research projects
 - ✓ Industrial visit
 - ✓ Student internship
 - ✓ Sharing expertise in Both ways.
 - ✓ Demonstration of equipment or new technology
 - ✓ Use of facilities at the end of both parties
 - ✓ Sharing library facilities
 - ✓ Seeking feedback on curriculum, co-curricular and extracurricular activities
 - ✓ Co-organizing Seminar, Conferences and Workshops
3. Recognizing the importance of institutes of higher education's role in promoting collaboration and increased contribution of social economic development.

NOW THEREFORE THIS MEMORANDUM OF UNDERSTANDING WITNESSE AS UNDER

1. Field of Co-Operation:

Co-operation between both the parties may be established within any field related to science and technology of mutual interest and in particular fields of Collaborative research projects, Industrial visit, Student Internship, Sharing expertise in Both ways, Demonstration of Equipment or new technology, Use of facilities at the end of both parties, Sharing library facilities, Seeking feedback on curriculum co-curricular and extracurricular activities as well as involve in Co-organizing Seminar, Conferences and Workshops.



Page 3 of 5

[Signature]
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



2. Management and Administration:

Negotiation, implementation and co-operation of the Memorandum of Understanding fall under the responsibility of both the parties.

3. General Provisions:

- a. Both the parties will carry out collaborative research activities, as a follow up to this Memorandum of Understanding. The activities must be carried out in accordance with appropriate laws of India for the time being in force.
- b. BOTH THE PARTY may allot such joint projects to B. Pharm, M.Pharm, Pharm D and Ph.D. students with the help of the staff and students of their organization. The required equipment for carrying out the R & D activity other than those available with FIRST PARTY and are to be made available by SECOND PARTY and Vice Versa or suitable assistance shall be borne by the BOTH THE PARTIES for getting such work done.
- c. The faculty, students and employees from both parties can freely interact on the joint research project. The faculty and the students can share the Laboratory and Instrumental facilities for smooth functioning of the project.
- d. The findings of the research work shall be published or patent jointly by the parties.
- e. If the results of this joint project are able to attract commercial utilization, then the financial benefit shall be shared between the two parties equally or through any mutually agreed arrangements.
- f. Both parties should follow rules and regulations during said activities in the premises.

4. Amendments:

This Memorandum of Understanding may be amended, if required, by mutual agreement between both the parties, formalized by an exchange of letters specifying the date of entry into force.

5. Settlement of Disputes:

Any dispute which may arise in connection with the interpretation or enforcement of this Memorandum of Understanding shall be strived to be settled by mutual consultation between both the parties and for the purpose of settlement of dispute the jurisdiction shall be within the limits of Pune.



Page 4 of 5
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.




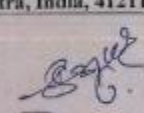

6. Termination:

Either Party may terminate this Memorandum of Understanding at any time with at least 90 days prior written notice to the other Party. The early termination of this Memorandum of Understanding will not affect the completion of any co-operation measures that were agreed under the annual work programs whilst it was in force.

7. Valid period:

This MOU shall take effect from the date of its signing and shall be valid for the period of 10 (Ten) years from the date on which it came into force.

Signed in Pune on 01/07/2022 in two original in English language.

| | | | |
|-----------------------------|---|------------------------------|---|
| For Party of the First Part | Progressive Education Society's Modern College of Pharmacy Sector 21, Yamunanagar, Nigdi, Pune - 411044 | For Party of the Second Part | Passiflora Laboratories Private Limited, Vanalika- Project, Wing 1-A, Flat no. 507 Gat No. 124, near lavale phata, pirangut pune, Pune, Maharashtra, India, 412115 |
| Signature with seal |  | Signature with seal |   |
| Designation | Principal and Professor | Designation | Director |
| Name | Dr. Pravin D. Chaudhari Email ID: pdchaudhari21@rediffmail.com Contact: 9850179873 | Name | Dr. Shrikant Kshirsagar Email ID: passiflorapurchase@gmail.com, Contact: 8600101080 |
| Date | 01/07/2022 | Date | 01/07/2022 |



Page 5 of 5


Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Progressive Education Society's
MODERN COLLEGE OF PHARMACY

Accredited by NAAC & NBA
DST FIST Funded College

'Best College Award' by Savitribai Phule Pune University



Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently affiliated to
Savitribai Phule Pune University, Pune & Approved under Section (2 (f) & 12 (B) of UGC Act, 1956

Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044. (M.S.) Tel. : 020-27661314 / 15

E-mail : mcpnigdi44@gmail.com Website : www.mcop.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. Gajanan R. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council
P.E.Society, Pune

Ref :

Date : 06/06/2023

Summary of Activity done under MOU Year wise

Name of concern Industry: Passiflora Laboratories Private Limited, Pirangut, Pune.


Date of MOU: 01/07/2022 to 30/06/2032

Validity Period of MOU: 10 years

| Sr no | Academic Year | Name of Activity | No of beneficiaries | Start Date | End Date |
|-------|---------------|------------------|---------------------|------------|------------|
| 1 | 2022-2023 | Industrial Visit | 16 | 28/09/2022 | 28/09/2022 |


Dr. Pravin D. Chaudhari
Principal and Professor




MoU Incharge
Passiflora Laboratories Private Limited



STRIVING TOWARDS EXCELLENCE FOREVER



2022-2023

**P. E. Society's
Modern College of Pharmacy Nigdi-44**

Notice

Date: 27/09/2022

All Teaching faculty, Non-teaching staff and students of B Pharm/ M Pharm/ Pharm D are hereby informed that, our college has organized one day hands on training and industry visit for students, the details of visit are as follows

Name of Place : Passiflora Laboratories Private Limited, Pune, Pirangut MIDC, Maharashtra.

Time for reach at Industry : 10:45 am

Name of class : list is attached

Date: 28/09/2022 (Wednesday)

Time for departure from college: 8:45 am

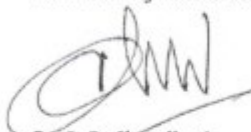
Contact persons during visit

Dr Smita Pimple: 98509 63259

Dr V V Chopade 9545452767

Prof. Priyanka Bagade: 95798 78343

Prof.: Shivraj Mane 87886 81625


Dr. P. D. Chaudhari
Principal

Copy to

1. Academic section
2. Class teachers
3. Office




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



PES Modern College of Pharmacy, Nigdi, Pune-44

Attendance of students for Industry Visit

Name of Place: Passiflora Laboratories Private Limited Pune, Pirangut MIDC Maharashtra.

Date: 28/09/2022 (Wednesday)

Time Departure from college: 9:00 am

| Sr no | Name of Students | Signature |
|-------|------------------------|-----------|
| 1. | Shivam Chaudhari | |
| 2. | Abhijit Gholap | |
| 3. | Harshada Chattar | |
| 4. | Ankita Patil | |
| 5. | Samiksha Agarkar | |
| 6. | Mayuri Autti | |
| 7. | Prerana Bambale | |
| 8. | Shubham Humnabadkar | |
| 9. | Sidheshwar Jadhav | |
| 10. | Vrushali Kharate | |
| 11. | Rushikesh Nikalje | |
| 12. | Manisha Salunkhe | |
| 13. | Pratiksha Surryawanshi | |
| 14. | Pooja Wadgave | |
| 15. | Dipali Thete | |
| 16. | Kedar Jagtap | |

Faculty: Dr. S. S. Pimple, Mr Shivraj Mane, Mrs Priyanka Bagade

Dr. V V Chopade
Incharge



Dr. P. D. Chaudhari
Principal
P.E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Progressive Education Society's
MODERN COLLEGE OF PHARMACY

Accredited by 'NAAC'

'Best College Award' by Savitribai Phule Pune University



Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently affiliated to
Savitribai Phule Pune University, Pune & Approved under Section (2 (f) & 12 (B) of UGC Act, 1956)

Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044. (M.S.) Tel. : 020-27661315 Fax : 020-27661314

E-mail : mcpnigdi44@gmail.com Website : www.mcop.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. Gajanan R. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council
P.E. Society, Pune

Ref.: MCP/TL/2022-23/113-4

Date: 24/04/22

To
The Director/ Manager
Passiflora Laboratories Private Limited
Pune, Maharashtra

Dear Sir,

We are thankful to you for accepted our request for one day hands on training and Industry visit to our students and faculty members

It was a great pleasure for us to have provided the real insight of working procedure of your esteemed organization for our students on 28/09/2022

We again thank you for sparing your valuable time with us. We are sure that you will always be there to help us at every critical turn and we look forward to continuous association with you in future.

Thanking You.

Yours truly,

Dr V. V. Chopade
Incharge



Dr. P. D. Chaudhari
Principal

P. E. Society of Pharmacy
Sector No. 21, Yamunanagar, Nigdi, Pune

For Passiflora Laboratories Pvt. Ltd.

Principal
P. E. Society of Pharmacy
Director
Sector No. 21, Yamunanagar, Nigdi,
Pune - 411 044.

STRIVING TOWARDS EXCELLENCE FOREVER




P.E.Society's
Modern College of Pharmacy, Nigdi. Pune-44

REPORT OF INDUSTRY VISIT 2022-23

| | | |
|----------------------------------|--|--|
| 1. Name of activity: | Industry visit for Students and Staff | |
| 2. Name of Industry | Passiflora Laboratories Pvt. Ltd. Pune, MIDC, Maharashtra | |
| 3. Date of activity | 28/09/2022 | |
| 4. Total no students participate | M Pharm – 16 Total - 16 | |
| 5. Occasion of activity | Industry Academic Interaction | |
| 6. Place of visit | Formulation Department | |
| 7. Objectives of activity | <ol style="list-style-type: none">1. To get analytical knowledge, planning abilities, problem analysis, modern tool usage, professional identity, pharmaceutical ethics, life-long learning2. To get importance of accuracy in practical's experiments3. How to operate equipments in lab. | |
| 8. Training given by | Mr. Pravin Jagtap | |
| 9. Name of faculty with students | Dr. S Pimple Dr. V V Chopade Prof Priyanka Bagade Prof Shivraj Mane | |
| 10. Activity co-coordinator | Dr. Vitthal V Chopade | |


Dr. V V Chopade
Industry Visit Incharge




Principal
P.E. Society's Modern College of Pharmacy
Plot No.21, Yamunanagar, Nigdi,
Pune - 411 044.

Photos



Dr. V V Chopade
Industry Visit Incharge



Principal
R.E.S. Modern College of Pharmacy
Sector No 21, Yamunanagar, Nigdi, 2
Pune - 411 044



MOU with Chakan Life Sciences private Limited, Pune

Summary of activities under MOU

| Sr no | Academic Year | Name of Activity | No of beneficiaries | Start Date | End Date |
|----------|---------------------------|---------------------|------------------------|------------|------------|
| 1 | 2022-2023 | Industrial visit | 16 | 28/09/2022 | 28/09/2022 |



CHAKAN LIFE SCIENCES PRIVATE LIMITED

CIN: U24233PN2012PTC145243

Regd. Office: Gat No. 349, Krupa Industrial Area, At Post: Bhare, Tal: Mulshi, Dist: Pune-412115.

Email: chakanlifesci@gmail.com Contact: 8600101080

Ref. No.: 2022-107/003

Date:- 01/07/2023

MEMORANDUM OF UNDERSTANDING

BETWEEN

Progressive Education Society's Modern College of Pharmacy Sector 21, Yamunanagar, Nigdi, Pune-411044, which is represented by its principal named Dr. Pravin D. Chaudhari here in named as party one

AND

Chakan Life Sciences Private Limited, Gat No. 349, Krupa Industrial Area, At Post: Bhare, Tal: Mulshi,, Pune, Pune, Maharashtra here in named party two



Page 1 of 6

Principal

P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



CHAKAN LIFE SCIENCES PRIVATE LIMITED
CIN: U24233PN2012PTC145243
Regd. Office: Gat No. 349, Krupa Industrial Area, At Post: Bhare, Tal: Mulshi, Dist: Pune-412115.
Email: chakanlifesci@gmail.com Contact: 8600101080

THIS MEMORANDUM OF UNDERSTANDING IS MADE AT PUNE ON 1st JULY 2022

WHEREAS

The First Party is Educational Institute/College named as above. First Party is the amongst the premium Pharmacy institutes imparting quality education in a sector of Pharmaceutical Sciences as well as carrying out research in Pharmaceutical Sciences. It is established in 1998 in Pimpri-Chinchwad industrial belt and run by Progressive Education Society Pune-5. It offers Undergraduate (B. Pharm.), Pharm D, Post graduate (M. Pharm) and Doctoral courses (Ph.D) in Pharmacy. All the courses are recognized by Pharmacy Council of India (PCI), Institute is affiliated to Savitribai Phule Pune University, Pune, Approved by All India Council for Technical Education (AICTE), Maharashtra State Board of Technical Education and also approved under 2(f) and 12 (B) of the UGC Act. With the relentless efforts of dedicated and competent faculty, up-dated curriculum, innovative methods of instructions top end infrastructure and sturdy support of management, it has emerged as a center of academic excellence and attracting students from all over India. Whereas the second party is also engaged in research in Pharmaceutical Sciences.




WHEREAS

Second Party is Chakan Life Sciences Private Limited is established in 31st October 2012. It is Manufacture of 'ayurvedic' or 'unani' pharmaceutical preparation, It comes under division Manufacture Of Chemicals And Chemical Products and this come under section MANUFACTURING.

WHEREAS both the parties hereby covenant to adhere with following terms for entering into this Memorandum of Understanding:

- Both the parties shall maintain permanent channels of communication for exchange of information, facilities and research under Collaborative research projects, Industrial visit, Student Internship, Sharing expertise in Both ways, Demonstration of Equipment or new technology, Use of facilities at the end of both parties, Sharing library facilities, Seeking feedback on curriculum, co-curricular and extracurricular activities also involve in Co-organizing Seminar, Conferences and Workshops.

Page 2 of 6



Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



CHAKAN LIFE SCIENCES PRIVATE LIMITED
CIN: U24233PN2012PTC145243
Regd. Office: Gat No. 349, Krupa Industrial Area, At Post: Bhare, Tal: Mulshi, Dist: Pune-412115.
Email: chakanlifesci@gmail.com Contact: 8600101080

- Both the parties shall explore possibilities of updating the respective information technology systems if required.

GOALS AND OBJECTIVES


Both the parties being in the field of importing knowledge have agreed to collaborate to with following objects:



- The purpose of this MOU is to continue to develop and expand a framework of cooperation between the First Party and Second party to develop mutually beneficial research projects and professionally competent ethically sound, skilled pharmacist at par with global standards.
- Both the parties have agreed to work in the areas of mutual interest such as
 - ✓ Collaborative research projects
 - ✓ Industrial visit
 - ✓ Student internship
 - ✓ Sharing expertise in Both ways.
 - ✓ Demonstration of equipment or new technology
 - ✓ Use of facilities at the end of both parties
 - ✓ Sharing library facilities
 - ✓ Seeking feedback on curriculum, co-curricular and extracurricular activities
 - ✓ Co-organizing Seminar, Conferences and Workshops
- Recognizing the importance of institutes of higher education's role in promoting collaboration and increased contribution of social economic development.

NOW THEREFORE THIS MEMORANDUM OF UNDERSTANDING WITNESSE AS UNDER

- Field of Co-Operation:**
Co-operation between both the parties may be established within any field related to science and technology of mutual interest and in particular fields of Collaborative

Page 3 of 6





Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



CHAKAN LIFE SCIENCES PRIVATE LIMITED
CIN: U24233PN2012PTC145243
Regd. Office: Gat No. 349, Krupa Industrial Area, At Post: Bhare, Tal: Mulshi, Dist: Pune-412115.
Email: chakanlifesci@gmail.com Contact: 8600101080

research projects, Industrial visit, Student Internship, Sharing expertise in Both ways, Demonstration of Equipment or new technology, Use of facilities at the end of both parties, Sharing library facilities, Seeking feedback on curriculum co-curricular and extracurricular activities as well as involve in Co-organizing Seminar, Conferences and Workshops.



2. Management and Administration:
Negotiation, implementation and co-operation of the Memorandum of Understanding fall under the responsibility of both the parties.

3. General Provisions:

- Both the parties will carry out collaborative research activities, as a follow up to this Memorandum of Understanding. The activities must be carried out in accordance with appropriate laws of India for the time being in force.
- BOTH THE PARTY may allot such joint projects to B. Pharm, M.Pharm, Pharm D and Ph.D. students with the help of the staff and students of their organization. The required equipment for carrying out the R & D activity other than those available with FIRST PARTY and are to be made available by SECOND PARTY and Vice Versa or suitable assistance shall be borne by the BOTH THE PARTIES for getting such work done.
- The faculty, students and employees from both parties can freely interact on the joint research project. The faculty and the students can share the Laboratory and Instrumental facilities for smooth functioning of the project.
- The findings of the research work shall be published or patent jointly by the parties.
- If the results of this joint project are able to attract commercial utilization, then the financial benefit shall be shared between the two parties equally or through any mutually agreed arrangements.
- Both parties should follow rules and regulations during said activities in the premises.

4. Amendments:

Page 4 of 6


Principal
P.E.S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044



CHAKAN LIFE SCIENCES PRIVATE LIMITED
CIN: U24233PN2012PTC145243
Regd. Office: Gat No. 349, Krupa Industrial Area, At Post: Bhare, Tal: Mulshi, Dist: Pune-412115.
Email: chakanlifesci@gmail.com Contact: 8600101080

This Memorandum of Understanding may be amended, if required, by mutual agreement between both the parties, formalized by an exchange of letters specifying the date of entry into force.

5. Settlement of Disputes:
Any dispute which may arise in connection with the interpretation or enforcement of this Memorandum of Understanding shall be strived to be settled by mutual consultation between both the parties and for the purpose of settlement of dispute the jurisdiction shall be within the limits of Pune.



6. Termination:
Either Party may terminate this Memorandum of Understanding at any time with at least 90 days prior written notice to the other Party. The early termination of this Memorandum of Understanding will not affect the completion of any co-operation measures that were agreed under the annual work programs whilst it was in force.

7. Valid period:
This MOU shall take effect from the date of its signing and shall be valid for the period of 10 (Ten) years from the date on which it came into force.

Signed in Pune on 01/07/2022 in two original in English language.

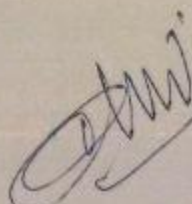
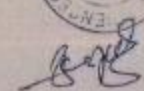

| | | | |
|-----------------------------|--|------------------------------|---|
| For Party of the First Part | Progressive Education Society's Modern College of Pharmacy Sector 21, Yamunanagar, Nigdi, Pune, Maharashtra, India- 411044 | For Party of the Second Part | Chakan Life Sciences Private Limited, Gat No. 349, Krupa Industrial Area, At Post: Bhare, Tal: Mulshi, Pune, Maharashtra, India here in named party two |
|-----------------------------|--|------------------------------|---|




Page 5 of 6


P. E. S. Modern College of Pharmacy
Sector No. 21, Yamunanagar, Nigdi,
Pune - 411 044.



CHAKAN LIFE SCIENCES PRIVATE LIMITED
CIN: U24233PN2012PTC145243
Regd. Office: Gat No. 349, Krupa Industrial Area, At Post: Bhare, Tal: Mulshi, Dist: Pune-412115.
Email: chakanlifesci@gmail.com Contact: 8600101080

| | | | |
|---------------------|--|---------------------|--|
| Signature with seal |  | Signature with seal |   |
| Designation | Principal and Professor | Designation | Director |
| Name | Dr. Pravin D. Chaudhari Email ID: pdchaudhari21@rediffmail.com Contact: 9850179873 | Name | Dr. Shrikant Kshirsagar Email ID: chakanlifescience@gmail.com, Contact: 8600101080 |
| Date | 01/07/2022 | Date | 01/07/2022 |




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

Page 6 of 6



Progressive Education Society's
MODERN COLLEGE OF PHARMACY

Accredited by NAAC & NBA
DST FIST Funded College

'Best College Award' by Savitribai Phule Pune University



Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently affiliated to
Savitribai Phule Pune University, Pune & Approved under Section (2 (f) & 12 (B) of UGC Act, 1956

Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044. (M.S.) Tel. : 020-27661314 / 15

E-mail : mcpnigdi44@gmail.com Website : www.mcop.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. Gajanan R. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council
P.E.Society, Pune

Ref :

Date : 07/06/2023


Summary of Activity done under MOU Year wise

Name of concern Industry: Chakan Life Sciences Private Limited, Mulshi, Pune

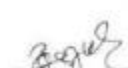
Date of MOU: 01/07/2022 to 30/06/2032

Validity Period of MOU: 10 years

| Sr no | Academic Year | Name of Activity | No of beneficiaries | Start Date | End Date |
|-------|---------------|------------------|---------------------|------------|------------|
| 1 | 2022-2023 | Industrial visit | 16 | 28/09/2022 | 28/09/2022 |


Dr. Pravin D. Chaudhari
Principal and Professor




MoU Incharge
Chakan Life Sciences Private Limited



STRIVING TOWARDS EXCELLENCE FOREVER



2022-2023

**P. E. Society's
Modern College of Pharmacy Nigdi-44**

Notice

Date: 27/09/2022

All Teaching faculty, Non-teaching staff and students of B Pharm/ M Pharm/ Pharm D are hereby informed that, our college has organized one day hands on training and industry visit for students, the details of visit are as follows

Name of Place : Chakan Life Sciences Pvt. Ltd. Pune, Pirangut MIDC, Maharashtra.

Time for reach at Industry : 10:45 am

Name of class : list is attached

Date: 28/09/2022 (Wednesday)

Time for departure from college: 8:45 am

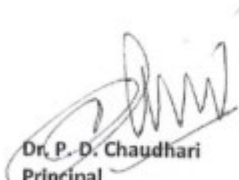
Contact persons during visit

Dr Smita Pimple: 98509 63259

Dr V V Chopade 9545452767

Prof. Priyanka Bagade: 95798 78343

Prof.: Shivraj Mane 87886 81625


Dr. P. D. Chaudhari
Principal

Copy to

1. Academic section
2. Class teachers
3. Office




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



PES Modern College of Pharmacy, Nigdi, Pune-44

Attendance of students for Industry Visit

Name of Place: Chakan Life Sciences Pvt. Ltd. Pirangut MIDC Maharashtra.

Date: 28/06/2022 (Wednesday)

Time Departure from college: 9:00 am and Reaching time to industry is 10:45 am

| Sr. No | Name of Students | Signature |
|--------|---------------------|-----------|
| 1. | Ashwini Akhote | |
| 2. | Shilpa Biradar | |
| 3. | Akshata Birajdar | |
| 4. | Mayuri Borbane | |
| 5. | Yogish Garhwani | |
| 6. | Amrut Godbharle | |
| 7. | Rushikesh Khorde | |
| 8. | Aishwarya Mahangade | |
| 9. | Gaurav Mahajan | |
| 10. | Rutuja Maske | |
| 11. | Tushar Phalke | |
| 12. | Priyanka Pote | |
| 13. | Yashoda Tidke | |
| 14. | Apurva Wabale | |
| 15. | Darshana Wani | |
| 16. | Shefali Wankhede | |

Faculty: Dr. S. S. Pimple, Mr Shivraj Mane, Mrs. Priyanka Bagade

Dr. V.V. Chopade
Incharge



Dr. P. B. Chaudhari
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Progressive Education Society's
MODERN COLLEGE OF PHARMACY

Accredited by 'NAAC'
'Best College Award' by Savitribai Phule Pune University



Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently affiliated to
Savitribai Phule Pune University, Pune & Approved under Section (2 (f) & 12 (B) of UGC Act, 1956)

Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044. (M.S.) Tel. : 020-27661315 Fax : 020-27661314

E-mail : mcpnigdi44@gmail.com Website : www.mcop.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. Gajanan R. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council
P.E.Society, Pune

Ref.: MCP/TL/2022-23/113-4 (9)

Date: 24/9/22

To
The Manager
Chakan Life Sciences Pvt. Ltd.
Pune, Maharashtra

Dear Sir,


We are thankful to you for accepted our request for one day hands on training and
Industry visit to our students and faculty members

It was a great pleasure for us to have provided the real insight of working procedure of
your esteemed organization for our students on 28/09/2022

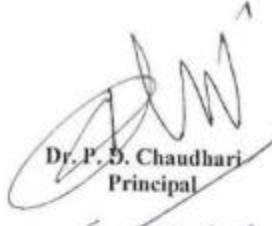
We again thank you for sparing your valuable time with us. We are sure that you will
always be there to help us at every critical turn and we look forward to continuous association
with you in future.

Thanking You.

Yours truly,


Dr V. V. Chopade
Incharge




Dr. P. D. Chaudhari
Principal

Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

STRIVING TOWARDS EXCELLENCE FOREVER



PES Modern College of Pharmacy, Nigdi. Pune-44

Attendance of students for Industry Visit

Name of Place: Chakan Life Sciences Pvt. Ltd. Pirangut MIDC Maharashtra.

Date: 28/06/2022 (Wednesday)

Time Departure from college: 9:00 am and **Reaching time to industry** is 10:45 am

| Sr. No | Name of Students | Signature |
|--------|---------------------|-----------|
| 1. | Ashwini Akhote | |
| 2. | Shilpa Biradar | |
| 3. | Akshata Birajdar | |
| 4. | Mayuri Borbane | |
| 5. | Yogish Garhwani | |
| 6. | Amrut Godbharle | |
| 7. | Rushikesh Khorde | |
| 8. | Aishwarya Mahangade | |
| 9. | Gaurav Mahajan | |
| 10. | Rutuja Maske | |
| 11. | Tushar Phalke | |
| 12. | Priyanka Pote | |
| 13. | Yashoda Tidke | |
| 14. | Apurva Wabale | |
| 15. | Darshana Wani | |
| 16. | Shefali Wankhede | |

Faculty: Dr. S. S. Pimple, Mr Shivraj Mane, Mrs. Priyanka Bagade

Dr. V. V. Chopade
Incharge



Dr. P. B. Chaudhari
Principal
P. E. S. Modern College of Pharmacy
Sector No. 21, Yamunanagar, Nigdi,
Pune - 411 044




P.E.Society's
Modern College of Pharmacy, Nigdi, Pune-44

REPORT OF INDUSTRY VISIT 2022-23

| | | |
|----------------------------------|--|--|
| 1. Name of activity: | Industry visit for Students and Staff | |
| 2. Name of Industry | Chakan Life Sciences Pvt. Ltd., Pirangut, MIDC, Maharashtra | |
| 3. Date of activity | 28/06/2022 | |
| 4. Total no students participate | M Pharm - 16 Total - 16 | |
| 5. Occasion of activity | Industry Academic Interaction | |
| 6. Place of visit | Production Department | |
| 7. Objectives of activity | <ol style="list-style-type: none">1. To get analytical knowledge, planning abilities, problem analysis, modern tool usage, professional identity, pharmaceutical ethics, life-long learning2. To get importance of accuracy in practical's experiments3. How to operate equipments in lab. | |
| 8. Training given by | Mr. Shrikant Kshirsagar | |
| 9. Name of faculty with students | Dr. S Pimple Dr. V V Chopade Prof Priyanka Bagade Prof Shivraj Mane | |
| 10. Activity coordinator | co- : Dr. Vitthal V Chopade | |


Dr. V V Chopade
Industry Visit Incharge





Principal
P. E. S. Modern College of Pharmacy
Sector No 21, Yamunanagar, Nigdi,
Pune - 411 044.

Photos




Dr. V.V. Chopade
Industry Visit Incharge




Principal
E.S. Modern College of Pharmacy
Sector No 21, Yamunanagar, Nigdi,
Pune - 411 044

2



MOU with Intellectual Property Intellect Services (IPIS), Pune

Summary of activities under MOU

| Name of Activity | 2022-23 |
|----------------------------|---------|
| Research patents filed | 7 |
| Research patents published | 25 |
| Research patents granted | - |
| Design patents filed | 10 |
| Design patents granted | 6 |
| Copyrights filed | 18 |
| Copyrights registered | 02 |



MEMORANDUM OF UNDERSTANDING (MOU)


BETWEEN

Progressive Education Society's Modern College of Pharmacy
Sector 21, Yamunanagar, Nigdi, Pune - 411044.

and

Intellectual Property Intellect Services (IPIS) Pune, Maharashtra
registered office at: Shop No 02, Sr No 27/2, near Ram mandir,
Ambegaon Bk, Pune-411046.




Principal
Page 1 of 5
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



MEMORANDUM OF UNDERSTANDING

THIS MEMORANDUM OF UNDERSTANDING IS MADE AT PUNE ON THIS 18th MAY 2022.

BETWEEN

Progressive Education Society's Modern College of Pharmacy Sector 21, Yamunanagar, Nigdi, Pune-411044, which is represented by its principal named Dr. Pravin D. Chaudhari here in named as party one

AND

Intellectual Property Intellect Services (IPIS) Pune, Maharashtra, India Proprietor Firm having its registered office at: Shop No 02, Sr No 27/2, Near Ram mandir, Ambegaon Bk, Pune-411046 which is represented by its Proprietor Mr. Mahesh Madanrao Jadhav here in named party two


WHEREAS

The First Party is Educational Institute/College named as above. First Party is the amongst the premium Pharmacy institutes imparting quality education in a sector of Pharmaceutical Sciences as well as carrying out research in Pharmaceutical Sciences. It is established in 1998 in Pimpri-Chinchwad industrial belt and run by Progressive Education Society Pune-5. It offers Undergraduate (B. Pharm.), Pharm D, Post graduate (M. Pharm) and Doctoral courses (Ph.D) in Pharmacy. All the courses are recognized by Pharmacy Council of India (PCI), Institute is affiliated to Savitribai Phule Pune University, Pune, Approved by All India Council for Technical Education (AICTE), Maharashtra State Board of Technical Education and also approved under 2(f) and 12 (B) of the UGC Act. With the relentless efforts of dedicated and competent faculty, up-dated curriculum, innovative methods of instructions top end infrastructure and sturdy support of management, it has emerged as a center of academic excellence and attracting students from all over India. Whereas the second party is also engaged in teaching and research in Pharmaceutical Sciences.

WHEREAS

Second Party is at present an Intellectual property (IP)-Law firm actively involved in training and importing education in the field of intellectual property. It also provides all kinds of IP services

Page 2 of 5


Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



IPIS-Intellectual

Property Intellect Services



Proprietor



like drafting, filing of application, prosecution, renewal and patent valuation and strengths of patent, and commercialization guidance, and litigation etc.

WHEREAS both the parties being in the field of importing knowledge have agreed to collaborate to with following objects:

1. The purpose of this MOU is to continue to develop and expand a framework of cooperation between the First Party and Second party to develop mutually beneficial programs and projects.
2. Both the parties agree to work together with a view to making complete and better-quality patent information available to their students and faculties.
3. Recognizing the mutual interests in the fields of research, education, training, transfer of technology and dissemination of knowledge on long term noncommercial basis, and to jointly organize short-term continuing education programs, seminars, conferences, or workshops on topics of mutual interest and to invite each other's faculty to participate therein.
4. Recognizing the importance of institutes of higher education's role in promoting Intellectual collaboration and increased contribution of social economic development

WHEREAS both the parties hereby covenant to adhere with following terms for entering into this Memorandum of Understanding:

1. Both the parties shall maintain permanent channels of communication for the exchange of information relating to patents with First Party.
2. Both the parties shall explore possibilities of updating the respective information technology systems if required.
3. Both the parties may co-operate in the IP awareness and innovation, creation and implementation of services which will raise consciousness of the importance of industrial property in all sectors of society.
4. Fees for patent drafting, filing and application as per government norms and predefined rates at the time of application. And the remaining fees viz. early publication, if required and other necessary fees, shall be paid as per the requirement. Both the parties agree that they will not quote any other price of the required services, than mentioned in the annexure.

Principal

P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



IPIS-Intellectual Property Intellect Services

Proprietor

Page 3 of 5



NOW THEREFORE THIS MEMORANDUM OF UNDERSTANDING WITNESSETH AS UNDER

1. Field of Co-Operation:

Co-operation between both the parties may be established within any field related to science and technology of mutual interest and in particular in the fields of research, development, education, training, and transfer of technology.

Both the Parties shall:

- a. Cooperate in the exchange of information relating to their activities in teaching and research in fields of mutual interests;
- b. Promote appropriate joint research projects and joint courses of study, with particular emphasis on Intellectual property studies;
- c. Exchange of best practices, experiences and knowledge on IP awareness among public, authorities, businesses and research and educational institution;
- d. Exchange of information and best practices on processes for disposal of applications for patents, trademarks, industrial designs and Geographical Indications, as also the protection, enforcement and use of IP rights;
- e. Cooperate to understand how Traditional Knowledge is protected; including the use of traditional knowledge related databases and awareness raising of existing IP systems.

2. Management and Administration:

Negotiation, implementation and co-operation of the Memorandum of Understanding fall under the responsibility of both the parties.

3. General Provisions:

- a. Both the parties will carry out research activities, as a follow up to this Memorandum of Understanding. The activities must be carried out in accordance with appropriate laws of India for the time being in force.
- b. Both the parties shall initiate and exchange research facilities and other relevant things required to carry out research projects.

4. Intellectual Property:

Both the parties hereby agree to respect each other's rights to intellectual property. Further, the intellectual property rights that arise as a result of any collaborative research or activity under this


Principal
P. E. S. Modern College of Pharmacy,
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



IPIS-Intellectual Property Intellect Services



Proprietor

Page 4 of 5



MOU will be worked out on a case-by-case basis, and will be consistent with the officially laid down IPR policies of the two institutions.

5. Amendments:

This Memorandum of Understanding may be amended, if required, by mutual agreement between both the parties, formalized by an exchange of letters specifying the date of entry into force.

6. Settlement of Disputes:

Any dispute which may arise in connection with the interpretation or enforcement of this Memorandum of Understanding shall be strived to be settled by mutual consultation between both the parties and for the purpose of settlement of dispute the jurisdiction shall be within the limits of Pune.

7. Termination:

Either Party may terminate this Memorandum of Understanding at any time with at least 90 days prior written notice to the other Party. The early termination of this Memorandum of Understanding will not affect the completion of any co-operation measures that were agreed under the annual work programs whilst it was in force.

8. Valid period:

This MOU shall take effect from the date of its signing and shall be valid for the period of 5 (five) years from the date on which it came into force.


Signed in Pune on 18/05/2022 in two original in English language.

| | | | |
|-----------------------------------|--|---------------------------------------|---|
| For Party of the First Part | Progressive Education Society's Modern College of Pharmacy Sector 21, Yamunanagar, Nigdi, Pune - 411044 | For Party of the Second Part | IPIS Pune IP Intellect Services, Pune |
| Signature with seal | Principal P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044. | Signature with seal | IPIS-Intellectual Property Intellect Services |
| Designati on | Principal | Designation | Founder Proprietor |
| Name | Dr. Pravin D. Chaudhari | Name | Mr. Mahesh M. Jadhav |
| Date | 18/5/2022 | Date | 18/05/2022 |

Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.





**Progressive Education Society's**
MODERN COLLEGE OF PHARMACY
Accredited by NAAC & NBA
DST FIST Funded College
'Best College Award' by Savitribai Phule Pune University

Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently affiliated to
Savitribai Phule Pune University, Pune & Approved under Section (2 (f) & 12 (B) of UGC Act, 1956

Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044. (M.S.) Tel. : 020-27661314 / 15
E-mail : mcpnigdi44@gmail.com Website : www.mcop.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. Gajanan R. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council
P.E. Society, Pune

Ref : _____ Date : _____


Summary of Activity done under MOU Year wise


Name of concerned Organization: Intellectual Property Intellect Services (IPIS), Pune


Date of MOU: 18/05/2022 to 17/05/2027

Validity Period of MOU: 05 Years

| Name of Activity | 2022-23 |
|----------------------------|---------|
| Research patents filed | 7 |
| Research patents published | 25 |
| Research patents granted | - |
| Design patents filed | 10 |
| Design patents granted | 6 |
| Copyrights filed | 18 |
| Copyrights registered | 02 |


Dr. Pravin D. Chaudhari
Principal and Professor




MoU Incharge
Intellectual Property Intellect Services (IPIS), Pune

STRIVING TOWARDS EXCELLENCE FOREVER

[For More Details, Refer criteria no.3.2.1](#)



MOU with Operant Pharmacy Federation, Rajasthan

Summary of activities under MOU

| Sr no | Academic Year | Name of Activity | No of beneficiaries | Start Date | End Date |
|-------|---------------------------|---|---------------------|------------|------------|
| 1 | 2022-2023 | International Conference On 'Emerging Trends In Pharmaceutical-Care In Digital Era' | 133 | 27/02/2023 | 27/02/2023 |



MEMORANDUM OF UNDERSTANDING



Between
OPERANT PHARMACY FEDERATION
and
Modern College of Pharmacy Nigdi, Pune-44

Recognizing the importance of student engagement in area of co-curricular, innovation, extracurricular, social outreach, research activities, training and placement support this **Memorandum of Understanding (MOU)** sets for the terms and understanding between the **OPERANT PHARMACY FEDERATION**, having office at Shradhavan 17, Mayank Nagar, Naya Gaon Road, Pali – 306401, Rajasthan, India,


and
The Modern College of Pharmacy Nigdi, Pune-44

having office at Yamuna nagar Nigdi, Pune-44 to **OPF Knowledge Partner**. The main objective of this collaboration between OPF & Modern College of Pharmacy Nigdi, Pune-44 is to organize skill development activities.

Also Specific activities under this MOU will be identified through consultation between the two parties as a Collaboration Partner, **Operant Pharmacy Federation, Pali, Rajasthan, India** will benefit Modern College of Pharmacy Nigdi Pune-44. This collaboration will enhance the reach of goals set by both the organizations and may include cooperation of both the organization in variety of joint activities such as:

1. Modern College of Pharmacy Nigdi, Pune-44 Encourage Students & Faculty Members to register on PharmaNEST portal to avail the advantages of it.
2. Team building courses for the interaction and motivation of the members of the respective organization.
3. Promotion of the events/sessions/ competitions/activities organized by any of the organizations by declaring another as a technical/financial partner extending the maximum possible support with logo on the official website.
4. Joint National/International Innovation related event/competitions/sessions / workshop.
5. Possible support in term of placements/trainings/internships program for the students.
6. Organization banner and Link of organization at official website and social media network.
7. Recognition listing as **Knowledge Partner** in the conference program / proceedings and also as **Knowledge Partner**.
8. Further, whenever any of the party organizes any event, such as conference, workshop, etc., the organizing party is willing to provide fair discount to either the members or collaborators of another party.
9. Party A (Operant Pharmacy Federation) provide **Scientific Advantages** to Students, Researchers and Faculties of Modern College of Pharmacy Nigdi Pune-44.
10. Both organizations also willing to share corporate contacts details.
11. Whenever, any organization avails financial benefits from third party then they are ready to share monetary benefits with other party.


General Terms of MOUs-


Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.





- a. **Amendments-** Either party may request changes to this MOU. Any changes, modifications, revisions or amendments to this MOU which are mutually agreed upon by and between the parties to this MOU shall be incorporated by written instrument, and effective when executed and signed by both parties to this MOU.
- b. **Applicable Law-** The construction, interpretation and enforcement of this MOU shall be governed by the laws of the State of Rajasthan. The courts of the State of Rajasthan shall have jurisdiction over any action arising out of this MOU and over the parties, and the venue shall be the [Pali, India], [Rajasthan]
- c. **Entirety of Agreement.** This MOU, consisting of [Main MOU Copy], represents the entire and integrated agreement between the parties and supersedes all prior negotiations, representations and agreements, whether written or oral.
- d. **Duration of MOU-** This MOU is at-will and may be modified by mutual consent of authorized officials from **Operant Pharmacy Federation & Modern College of Pharmacy Nigdi, Pune-44**. This MOU shall become effective upon signature by the authorized officials from the **Operant Pharmacy Federation & Modern College of Pharmacy Pune-44** and will remain in effect until modified or terminated by any one of the partners by mutual consent. In the absence of mutual agreement by the authorized officials from **Operant Pharmacy Federation & Modern College of Pharmacy Nigdi Pune-44** this MOU shall end on May 16, 2027.
- e. **Coordination-** In order to carry out and fulfill the aims of this agreement, each party will appoint an appropriate person(s) to represent its organization and to coordinate the implementation of activities. **Operant Pharmacy Federation** and **Modern College of Pharmacy Nigdi Pune-44** staff will coordinate to discuss progress and plan activities.
- f. **Technical & Financial Support-** Addendums to this MOU will be developed for specific technical and financial support activities. These Addendums will provide a detailed description of the role, responsibility, and financial contribution of each party. Work plans and reporting requirements will be clearly outlined in the Addendums.
- g. **Confidentiality-** Each party agrees that it shall not, at any time, after executing the activities of this MOU, disclose any information in relation to these activities or the affairs of business or method of carrying on the business of the other without consent of both parties.
- h. **Termination of MOU-** We are Believe in Long Term Relationship. The partnership covered by this MOU shall terminate upon completion of the agreed upon period. The agreement may also be terminated with a written one month notice from either side. In the event of non-compliance or breach by one of the parties of the obligations binding upon it, the other party may terminate the agreement with immediate effect.
- i. **Extension of Agreement-** The MOU may be extended provided the parties agree upon, and can provide the necessary resources.
- j. **Communications-** All notice, demands and other communication under this agreement in connection herewith shall be written in English language and shall be sent to the last known address, e-mail, or fax of the concerned party. Any notice shall be effective from the date on which it reaches the other party.
- k. **Third Party Beneficiary Rights-** The parties do not intend to create in any other individual or entity the status of a third party beneficiary in above commitments, and this MOU shall not be construed so as to create such status. The rights, duties and obligations contained in this MOU shall operate only between the parties to this MOU, and shall inure solely to the benefit of the parties to this MOU. The provisions of this MOU are intended only to assist the parties in determining and performing their obligations under this MOU. The parties to this MOU intend and expressly


Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.





their obligations under this MOU. The parties to this MOU intend and expressly agree that only parties signatory to this MOU shall have any legal or equitable right to seek to enforce this MOU, to seek any remedy arising out of a party's performance or failure to perform any term or condition of this MOU, or to bring an action for the breach of this MOU.

All the above mentioned agreement points are subject to change only after consent from both the organizations in written. This agreement will be in effect for 5 years from the date of last signature on the understanding that subjects to revision or renewal. It may be renewed on each expiry on mutual agreement between the signatories to the memorandum. Either party may terminate this memorandum at any time by giving not less than 3 months of prior notice in writing.

Signatures: 17 May 2022

Vikram Choudhary
Founder & Director
Operant Pharmacy Federation
CIN:U85300RJ2018NPL062226

Dr. Pravin D. Chaudhari
Principal
Modern College of Pharmacy Nigdi
Pune-44
Registration Number:

Vikram Choudhary
Director (DIN : 08220933)
Operant Pharmacy Federation



Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.





Progressive Education Society's
MODERN COLLEGE OF PHARMACY

Accredited by NAAC & NBA
DST FIST Funded College

'Best College Award' by Savitribai Phule Pune University



Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently affiliated to
Savitribai Phule Pune University, Pune & Approved under Section (2 (f) & 12 (B) of UGC Act, 1956

Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044, (M.S.) Tel. : 020-27661314 / 15

E-mail : mcpnigdi44@gmail.com Website : www.mcop.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. Gajanan R. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council
P.E. Society, Pune

Ref :

Date : 06/06/2023

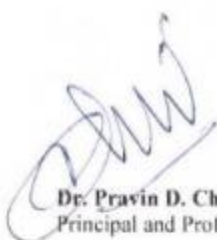
Summary of Activity done under MOU Year wise

Name of concern Organization: Operant Pharmacy Federation

Date of MOU: 17/05/2022 to 16/05/2027

Validity Period of MOU: 5 Years

| Sr no | Academic Year | Name of Activity | No of beneficiaries | Start Date | End Date |
|-------|---------------|--|---------------------|------------|------------|
| 1 | 2022-2023 | International Conference On 'Emerging Trends In Pharmaceutical-Care In Digital Era' | 133 | 27/02/2023 | 27/02/2023 |


Dr. Pravin D. Chaudhari
Principal and Professor




Vikram Choudhary
Director (DIN : 08220933)
Operant Pharmacy Federation
MoU Incharge
Operant Pharmacy Federation

STRIVING TOWARDS EXCELLENCE FOREVER



2022-2023

Organised By



MODERN COLLEGE
OF PHARMACY

Collaboration with



Operant Pharmacy
Federation



Organising
International Conference on
'EMERGING TRENDS IN PHARMACEUTICAL-CARE IN DIGITAL ERA'
'A novel move from Product to Patient oriented services'
(To know what you do not know about)

27 February 2023

Progressive Education Society's, Modern College of
Pharmacy, Sector 21, Yamunanagar, Nigdi, Pune - 411044

www.mcop.opf.org.in



Submission of Abstract

Scientific Research and Review papers on unpublished / original work are invited from delegates for E-poster presentation on the following subjects:

E-Poster Presentation Topics:

- Pharmaceutical Care
- Health-economics and outcome-research
- Pharmacovigilance and Materiovigilance
- Digital therapeutics and telemedicine
- Pharmacoepidemiology and pharmacoconomics
- Rare and interventional care report/case studies
- Community outreach research
- Health related quality of life research

Delegates are requested to submit their abstracts on our official website www.mcop.opf.org.in on or before **17 February 2023**. The abstract should not be exceeding 250 words and should be prepared in Times New Roman Font. Title should be bold case (font size 14) full names of the authors followed with their affiliation in normal font (font size 12). The presenting author name should be bold and marked with asterisk along with affiliation and email address. It is mandatory for the presenting author to be registered for the conference.

Guidelines for E-poster preparation: The poster content should be divided into following sections: Introduction, Objectives, Material and Methods, Results, Discussion, Conclusion and References.

NOTE: Authors are instructed not to use A4 size papers for their poster presentation.

Scientific Committee Coordinator:

Dr. Rajani Mali: +91-9767419075, malirajni29@gmail.com

Dr. Padmaja Kore: +91-8208272961, padmaja.kalshetti@gmail.com

Registration Fee

The Registration fee covers conference certificate, breakfast, lunch and Tea/Coffee

Registration details:

FEES: 750/- per participant (GST & Payment gateway fee applicable as per govt. rules)

Mode of Payment: Participants and paper presentations aspirants are required to make all online payments through the website payment gateway only.

Website for Online Payment: www.mcop.opf.org.in

Refund Policy: No refund will be made in case of non-acceptance of abstract. Replacement/transfer of registration will not be entertained

Last date of Registration: 22nd February 2023

Venue:

Progressive Education Society's Modern College of Pharmacy

Sector 21, Yamuhanagar, Nigdi, Pune - 411044.

Tel: (020) 27661315 / 14 **Fax:** (020) 27661314

Website: www.mcop.org.in **E-mail:** mcopnigdi@gmail.com



www.mcop.opf.org.in

Pune - 411 044.

| Tentative Program Schedule | |
|----------------------------|--|
| 09.00 AM to 10.00 AM | Registration, Breakfast and Tea |
| 10.00 AM to 11.00 AM | Inauguration |
| 11.00 AM to 12.00 PM | Keynote Session -1 |
| 12.00 PM to 01.00 PM | Plenary Session - 1 |
| 01.00 PM to 02.00 PM | Lunch cum Networking Break |
| 02.00 PM to 03.00 PM | Plenary Session - 2 |
| 03.00 PM to 04:30 PM | Poster Presentations |
| 04.00 PM to 4.30 PM | Tea cum Networking Break |
| 4.30 PM to 5.00 PM | Valedictory |
| 5.00 PM to 5:30 PM | Certificate Distribution and Entertainment Program |

| Important Dates to be Remember | |
|-----------------------------------|-------------------|
| Conference Date | February 27, 2023 |
| Last Date for Abstract Submission | February 17, 2023 |
| Intimation of Acceptance | February 17, 2023 |
| Last Date of Registration | February 22, 2023 |
| Last Date for E-Poster Submission | February 22, 2023 |

| Important Contact Details | |
|---------------------------|----------------------------------|
| Conference Coordinator | +91 91461 09339 |
| Registration Committee | +91 70202 21589; +91 95798 78343 |
| Scientific Committee | +91-9767419075, +91-8208272961 |
| Technical Committee | +91 94609 71652 |

 www.mccp.opf.org.in

Pune - 411 044



Counter 1

| Sr. No. | Name of Student | Email ID | Contact Number | Amount Paid | College | Attendance | Kit Received | Signature |
|-------------------|--------------------------|--------------------------------------|----------------|-------------|---------------------------------|------------|--------------|-----------------------------|
| DYP AKURDI/PIMPRI | | | | | | | | |
| PD 01 | Dr. Sanket Kadam | dr.sanketkadam12@gmail.com | 9561144338 | 750 | DYP College of Pharmacy, Akurdi | ✓ | ✓ | <i>Sanket Kadam</i> |
| PD 02 | Dr. Ramdas Shinde | ramdasshinde@dyppharmacyakurdi.ac.in | 7709946331 | 750 | DYP College of Pharmacy, Akurdi | ✓ | ✓ | <i>Ramdas Shinde</i> |
| PD 03 | Ms. Gayatri Patil | gayatripatil@dyppharmacyakurdi.ac.in | 9561978507 | 750 | DYP College of Pharmacy, Akurdi | ✓ | ✓ | <i>Gayatri Patil</i> |
| PD 04 | Ms. Ratna Bhande | bhande.ratna03@gmail.com | 9028742456 | 750 | DYP College of Pharmacy, Akurdi | ✓ | ✓ | <i>Ratna Bhande</i> |
| PD 05 | Mr. Gaurav Gaikwad | ggaikwad01@gmail.com | 7058963791 | 750 | DYP College of Pharmacy, Akurdi | ✓ | ✓ | <i>Gaurav Gaikwad</i> |
| PD 06 | Ms. Gauri Pednekar | pednekar.gauri24@gmail.com | 7588229670 | 750 | DYP College of Pharmacy, Akurdi | ✓ | ✓ | <i>Gauri Pednekar</i> |
| PD 07 | Ms. Nikita Ugale | nikitapatil20@gmail.com | | 750 | DYP College of Pharmacy, Akurdi | ✓ | ✓ | <i>Nikita Ugale</i> |
| PD 08 | Ms. Avanti Jadhav | jadhav.avanti27@gmail.com | 9503528319 | 750 | DYP College of Pharmacy, Akurdi | ✓ | ✓ | <i>Avanti Jadhav</i> |
| PD 09 | Dr. Smita Sadar | smitasadar@dyppharmacyakurdi.ac.in | 9823778582 | 750 | DYP College of Pharmacy, Akurdi | ✓ | ✓ | <i>Smita Sadar</i> |
| PD 10 | Ms. Kumkum Bhenwal | kumkum10042007@gmail.com | 9145645566 | 750 | DYP College of Pharmacy, Akurdi | ✓ | ✓ | <i>Kumkum Bhenwal</i> |
| PD 11 | Dr. Karishma Rathi | karishma.rathi@dyp.edu.in | 9405181707 | 750 | DYP College of Pharmacy, Pimpri | ✓ | ✓ | <i>Karishma Rathi</i> |
| PD 12 | Mr. Prathamesh Telavekar | prathameshtelavekar6@gmail.com | 751429670 | 750 | DYP College of Pharmacy, Akurdi | ✓ | ✓ | <i>Prathamesh Telavekar</i> |



Principal

P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



| | Name of Student | Email ID | Contact Number | Amount Paid | College | Attendance | Kit Received | Signature |
|-------|---|--------------------------------------|----------------|-------------|---|------------|--------------|-----------|
| | MET's Institute of Pharmacy, Bhujbal Knowledge City, Nashik | | | | | | | |
| PD 13 | Dr. Akshay Khade | dr.akshaykhade@gmail.com | 8087081302 | 750 | MET's Institute of Pharmacy, Bhujbal Knowledge City, Nashik | ✓ | ✓ | |
| PD 14 | Ms. Isha Vadnere | vadnere.isha@gmail.com | 9373636831 | 750 | MET's Institute of Pharmacy, Bhujbal Knowledge City, Nashik | ✓ | ✓ | |
| PD 15 | Ms. Gauri Garne | gaugarni15@gmail.com | 7972760455 | 750 | MET's Institute of Pharmacy, Bhujbal Knowledge City, Nashik | ✓ | ✓ | |
| PD 16 | Ms. Tanishka Kesharwani | tanishkakesharwani@gmail.com | 9284295556 | 750 | MET's Institute of Pharmacy, Bhujbal Knowledge City, Nashik | ✓ | ✓ | |
| PD 17 | Ms. Huzafa Shaikh | shaikh.huzafa96@gmail.com | 9271786992 | 750 | MET's Institute of Pharmacy, Bhujbal Knowledge City, Nashik | ✓ | ✓ | |
| PD 18 | Deepanshu Suryawanshi | deepanshu.suryawanshi007@gmail.com | 8180954999 | 905.88 | MET's Institute of Pharmacy, Bhujbal Knowledge City, Nashik | ✓ | ✓ | |
| PD 19 | Rajeshwari Deshmukh | deshmukhrajeshwarivijayrao@gmail.com | 9.0282E+10 | 905.88 | MET's Institute of Pharmacy, Bhujbal Knowledge City, Nashik | ✓ | ✓ | |
| PD 20 | Siddharth Khatke | khatkesiddharth@gmail.com | 8551830826 | 905.88 | MET's Institute of Pharmacy, Bhujbal Knowledge City, Nashik | ✓ | ✓ | |
| PD 21 | Mr. Rushikesh Kapse | kapsesrushikesh@gmail.com | 9373741835 | 750 | MET's Institute of Pharmacy, Bhujbal Knowledge City, Nashik | ✓ | ✓ | |



Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Counter 2

| Sr. No. | Name of Student | Email ID | Contact Number | Amount Paid | College | Attendance | Kit Received | Signature |
|-----------------------------------|---------------------------|----------------------------------|----------------|-------------|-----------------------------------|------------|--------------|-----------|
| Modern College of Pharmacy, Nigdi | | | | | | | | |
| PD 43 | Ms. Yezpure Jyoti | yvezpure20@gmail.com | 9146317875 | 750 | Modern College of Pharmacy, Nigdi | ✓ | ✓ | |
| PD 44 | Mr. Talegaokar Sanjay | sanjay.talegaokar2115@gmail.com | 9420661511 | 750 | Modern College of Pharmacy, Nigdi | ✓ | ✓ | |
| PD 45 | Mr. Mahamuni Akash | akmahamuni123@gmail.com | 9604932371 | 750 | Modern College of Pharmacy, Nigdi | ✓ | ✓ | |
| PD 46 | Mr. Kumbhar Satyawar | satyawarkumbhar57@gmail.com | 9588616756 | 750 | Modern College of Pharmacy, Nigdi | ✓ | ✓ | |
| PD 47 | Ms. Thokal Sujata | sujatathokal17@gmail.com | 86686 86584 | 750 | Modern College of Pharmacy, Nigdi | ✓ | ✓ | |
| PD 48 | Mr. Ghatole Swapnil | sghatole6700@gmail.com | 8805970801 | 750 | Modern College of Pharmacy, Nigdi | ✓ | ✓ | |
| PD 49 | Mr. Himmat Vivek Krishnao | vivekkrishnao1@gmail.com | 939922410 | 750 | Modern College of Pharmacy, Nigdi | ✓ | ✓ | |
| PD 50 | Mr. Pranav Yelamkar | pranavyelamkar31@gmail.com | 9423655000 | 750 | Modern College of Pharmacy, Nigdi | ✓ | ✓ | |
| PD 51 | Ms. Shweta Kandre | kandreshweta2000@gmail.com | 7507318236 | 750 | Modern College of Pharmacy, Nigdi | ✓ | ✓ | |
| PD 52 | Mr. Shiva Khanal | shivkhanal992@gmail.com | 9503895945 | 750 | Modern College of Pharmacy, Nigdi | ✓ | ✓ | |
| PD 53 | Mr. Savane Sumedha | savanesumedha29@gmail.com | 9370410882 | 750 | Modern College of Pharmacy, Nigdi | ✓ | ✓ | |
| PD 54 | Mr. Nitesh Agarwal | ramagnawal565@gmail.com | 7397956944 | 750 | Modern College of Pharmacy, Nigdi | ✓ | ✓ | |
| PD 55 | Ms. Pratiksha Bhoite | pratikshabhoite22@gmail.com | 9970937399 | 750 | Modern College of Pharmacy, Nigdi | ✓ | ✓ | |
| PD 56 | Ms. Ashwini Vate | ashwinivare101@gmail.com | 8208454385 | 750 | Modern College of Pharmacy, Nigdi | ✓ | ✓ | |
| PD 57 | Ms. Divya Hagarwane | divyahagarwane2944@gmail.com | 9067996360 | 750 | Modern College of Pharmacy, Nigdi | ✓ | ✓ | |
| PD 58 | Mr. Atharva Nanday | atharvsnanday7@gmail.com | 9130043003 | 750 | Modern College of Pharmacy, Nigdi | ✓ | ✓ | |
| PD 59 | Ms. Sukshma Balure | sukshma.balure17@gmail.com | 80108 31161 | 750 | Modern College of Pharmacy, Nigdi | ✓ | ✓ | |
| PD 60 | Ms. Vaishnavi Deshmukh | vaishnavi.deshmukh1992@gmail.com | 9834322137 | 750 | Modern College of Pharmacy, Nigdi | ✓ | ✓ | |



Principal
P.E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



| | | | | | | | | |
|-------|----------------------------|-----------------------------|------------|--------|-----------------------------------|---|---|------------------|
| | Mr. Shubham Shewale | shewaleshubham16@gmail.com | 7558448898 | 750 | Pharmacy, Nigdi | ✓ | ✓ | <i>Shubham</i> |
| PD 62 | Mr. Gaurav Memane | memanegaurav95@gmail.com | 7887471024 | 750 | Modern College of Pharmacy, Nigdi | ✓ | ✓ | <i>Gaurav</i> |
| PD 63 | Ms. Pranali Kumbhar | kumbharpnanu1211@gmail.com | 9767354025 | 750 | Modern College of Pharmacy, Nigdi | ✓ | ✓ | <i>Pranali</i> |
| PD 64 | Mr. Harshal Jadhav | iharashal@gmail.com | 9975918321 | 750 | Modern College of Pharmacy, Nigdi | ✓ | ✓ | <i>Harshal</i> |
| PD 65 | Mr. Tushar Jha | htushar14@gmail.com | 9322138098 | 750 | Modern College of Pharmacy, Nigdi | ✓ | ✓ | <i>Tushar</i> |
| PD 66 | Ms. Padmaja Kamble | padmaikamble9@gmail.com | 9067445901 | 750 | Modern College of Pharmacy, Nigdi | | | <i>Padma</i> |
| PD 67 | Mr. Savata Dhadge | savatahdage18@gmail.com | 9309758316 | 750 | Modern College of Pharmacy, Nigdi | | | <i>Savata</i> |
| PD 68 | Mr. Vinay Manocha | vinay.manocha2001@gmail.com | 8329507923 | 750 | Modern College of Pharmacy, Nigdi | ✓ | ✓ | <i>Vinay</i> |
| PD 69 | Mr. Vedant Patil | vedant1845@gmail.com | 7775935110 | 750 | Modern College of Pharmacy, Nigdi | | | <i>Vedant</i> |
| PD 70 | Ms. Yadav Saloni Aniruddha | saloni90@gmail.com | 7350363369 | 750 | Modern College of Pharmacy, Nigdi | ✓ | ✓ | <i>Saloni</i> |
| PD 71 | Mr. Mihir Chachar | mchachar143@gmail.com | 9773374438 | 750 | Modern College of Pharmacy, Nigdi | ✓ | ✓ | <i>Mihir</i> |
| PD 72 | Ms. Muskan Radhanpura | muskanradhanpura@gmail.com | 9428361687 | 750 | Modern College of Pharmacy, Nigdi | ✓ | ✓ | <i>Muskan</i> |
| PD 73 | Ms. Isha Patel | iship1202@gmail.com | 9765407975 | 750 | Modern College of Pharmacy, Nigdi | ✓ | ✓ | <i>Isha</i> |
| PD 74 | Nikhita Kumbhar | nikhitakumbhar@gmail.com | 9067610089 | 905.88 | Modern College of Pharmacy, Nigdi | ✓ | ✓ | <i>Nikhita</i> |
| PD 75 | Ms. Vaishnavi Chavan | chavanvaishnavi@gmail.com | 9307677268 | 750 | Modern College of Pharmacy, Nigdi | ✓ | ✓ | <i>Vaishnavi</i> |
| PD 76 | Yogish Garhwani | ygarhwani@gmail.com | 8847791920 | 905.88 | Modern College of Pharmacy, Nigdi | ✓ | ✓ | <i>Yogish</i> |
| PD 77 | Ms. Aparna Arbad | aparnarabhad28@gmail.com | 9765489726 | 750 | Modern College of Pharmacy, Nigdi | ✓ | ✓ | <i>Aparna</i> |
| PD 78 | Mr. Amrut Godbharle | amrutgodbharle10@gmail.com | 9970340513 | 750 | Modern College of Pharmacy, Nigdi | ✓ | ✓ | <i>Amrut</i> |



Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Counter NO: 5

| Sr. No.: | Name of Student | Email ID | Contact Number | Amount Paid | College | Attendance | Kit Received | Signature |
|----------------------------|-----------------------|------------------------------------|----------------|-------------|----------------------------|------------|--------------|-----------|
| Indira college of pharmacy | | | | | | | | |
| PD 91 | Dr. Pooja S. Janardan | poojasjanardan2009@gmail.com | 9996587391 | 905.88 | Indira college of pharmacy | ✓ | ✓ | ✓ |
| PD 92 | Pranoti Bendre | pranotibendre27@gmail.com | 7249070902 | 905.88 | Indira college of pharmacy | ✓ | ✓ | ✓ |
| PD 93 | Shraddha Devarshi | shraddha.devarshi@indiraipg.edu.in | 9503935525 | 905.88 | Indira college of pharmacy | ✓ | ✓ | ✓ |
| PD 94 | Divya Kulkarni | kulkarnidivya13@gmail.com | | 905.88 | Indira college of pharmacy | ✓ | ✓ | ✓ |
| PD 95 | Aditi Biradar | adibiradar2003@gmail.com | 9673538182 | 905.88 | Indira college of pharmacy | ✓ | ✓ | ✓ |
| PD 96 | Madhuri Jeyarkar | madhuri.jeyarkar.2009@gmail.com | 7057784332 | 905.88 | Indira college of pharmacy | ✓ | ✓ | ✓ |
| PD 97 | Samruddhi Thube | samruddhitube@gmail.com | 8855919032 | 905.88 | Indira college of pharmacy | ✓ | ✓ | ✓ |
| PD 98 | Rutuja Gangrade | rutujagangrade2004@gmail.com | 9356972540 | 905.88 | Indira college of pharmacy | ✓ | ✓ | ✓ |
| PD 99 | Ankul Tckude | teckadeankul@gmail.com | 9529074474 | 905.88 | Indira college of pharmacy | ✓ | ✓ | ✓ |
| PD 100 | Namrata Patil | namrata8@gmail.com | 9324262295 | 905.88 | Indira college of pharmacy | ✓ | ✓ | ✓ |
| PD 101 | Madhura Bharade | madhura.bharade7@gmail.com | 8668331393 | 905.88 | Indira college of pharmacy | ✓ | ✓ | ✓ |
| PD 102 | Akshay Machale | machaleakshay@gmail.com | 9850302623 | 905.88 | Indira college of pharmacy | ✓ | ✓ | ✓ |
| PD 103 | Neha Chalukya | neha.chalukya@gmail.com | 8010359866 | 905.88 | Indira college of pharmacy | ✓ | ✓ | ✓ |
| PD 104 | Azwar Kailas | azwar.kailas.2511@gmail.com | 9168348481 | 905.88 | Indira college of pharmacy | ✓ | ✓ | ✓ |
| PD 105 | Anamika Gavhar | anamikagavhar002@gmail.com | 9112750827 | 905.88 | Indira college of pharmacy | ✓ | ✓ | ✓ |
| PD 106 | Nargis Javed | nargisjaved29199@gmail.com | 9923653387 | 905.88 | Indira college of pharmacy | ✓ | ✓ | ✓ |
| PD 107 | Guruprasad Kumbhar | guruprasadkumbhar7@gmail.com | 7066180822 | 905.88 | Indira college of pharmacy | ✓ | ✓ | ✓ |
| PD 108 | Vedant Bole | vedantbole1234@gmail.com | 9923277817 | 905.88 | Indira college of pharmacy | ✓ | ✓ | ✓ |



Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



PES Modern college of Pharmacy, Nigdi, Pune 44

Conference Report

27th February 2023

International Conference on 'Emerging trends in Pharmaceutical-Care in Digital Era'

The Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune-44 in association with Operant Pharmacy Federation, successfully hosted the International Conference on 'Emerging trends in Pharmaceutical-Care in Digital Era' on February 27th 2023 at PES-Modern College of Pharmacy, Nigdi, Pune.

The presence of dignitaries, an impressive lineup of scholars from across the various parts of nation, the support of sponsor and all academic institutes, an array of carefully selected, well-researched and well-presented scientific papers on the subjects relevant to the theme of the conference, all came together to aid the Pharmaceutical care conference and to admirably conclude this huge event. The conference was applauded for the concurrent scientific sessions, followed by scientific discussions and scientific poster presentation besides the Inaugural and Valedictory sessions. This Conference has, without a shade of doubt, made the academic fraternity specially PharmD. Students richer, with the novel literature in the form of scholarly works and scientific talks by the eminent resource expertise. This one day event offered opportunities to the participating audiences to interact with academicians, scholars and experts from all over the world who deliberated upon and covered topics around the need of Pharmaceutical care and implementation and judicious use of digital health for the betterment of patient's outcomes. The views expressed and explored on this platform by the resource persons and paper presenters made the audience rethink ideas and motivated them to build future innovative researches.

The Conference owes its success to the continuous support of PES Chairman and Patron Dr.Gajanan Ekbote and able guidance of Principal Dr. P.D.Chaudhari, and the hard work put in by the entire MCOP team led by Dr. Sunita Pawar and dedicated contribution of Dr.Anjali Kumbhar, Dr.Rohini Chavhan, Dr.Rajani Mali, Dr.Mayuri Khaparde, and all other eminent members of the organizing committee, non-teaching staff and student volunteers.

The conference was inaugurated by dignitaries Dr. P. D. Chaudhari, Principal, PES's Modern College of Pharmacy, Nigdi, Dr. M. S. Ganachari Sir, Dy. Registrar, Professor & Head, Department of Pharmacy Practice, KLECOP, Belagavi, Prof. (Dr.) Rajesh Ramasamy, Head of Dept. of Pathology, Faculty of Medicine and Health Sciences & Teaching Hospital of UPM (HPUPM), University Putra Malaysia, Dr. Shailesh R Deshpande, MD (Preventive and Social Medicine) Head, Education Dept. Chellaram hospital, Dr. Vikram Chaudhary, Founder, Operant Pharmacy Federation and Dr.Sunita Pawar HOD-PharmD. The Hon'ble Chief Guest Prof Dr.M.S. Ganachari, Professor & Head of Department of Pharmacy Practice & Deputy Registrar at KLE University, Belgavi. Chair for this session graced the event by his guest talk and enlightened all with the subject of the conference and its importance and also highly encouraged the conduct



Principal

P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



of such novel conferences in future as well. Principal Dr. P.D.Chaudhari in his welcome address dealt conference in a lucid manner for the understanding of the audience upon the need for the clinical conferences and objectives of the conference and how the participants especially from PharmD course will benefit by attending such thematic conferences.

The scientific session began by Dr. M. S. Ganacahri Sir, who gave a dynamic and interactive session on Digital Therapeutics "DTx" Opportunities for pharmacists on Horizon. Prof. (Dr.) Rajesh Ramasamy delivered his expert talk on "Health-related quality of life research in regenerative medicine and pharmacology research". Dr. Shailesh R Deshpande MD (Preventive and Social Medicine) Head, Education Dept. Chellaram hospital discussed on "Antimicrobial Resistance: Problems and Possible Solutions."


The participants from various colleges presented their research findings in the competition for E-poster presentations related to theme of the conference. The Conference Scientific Review Committee was constrained by time to accept only 45 out of the more than 60 research papers received. The poster themes were based on following topics:

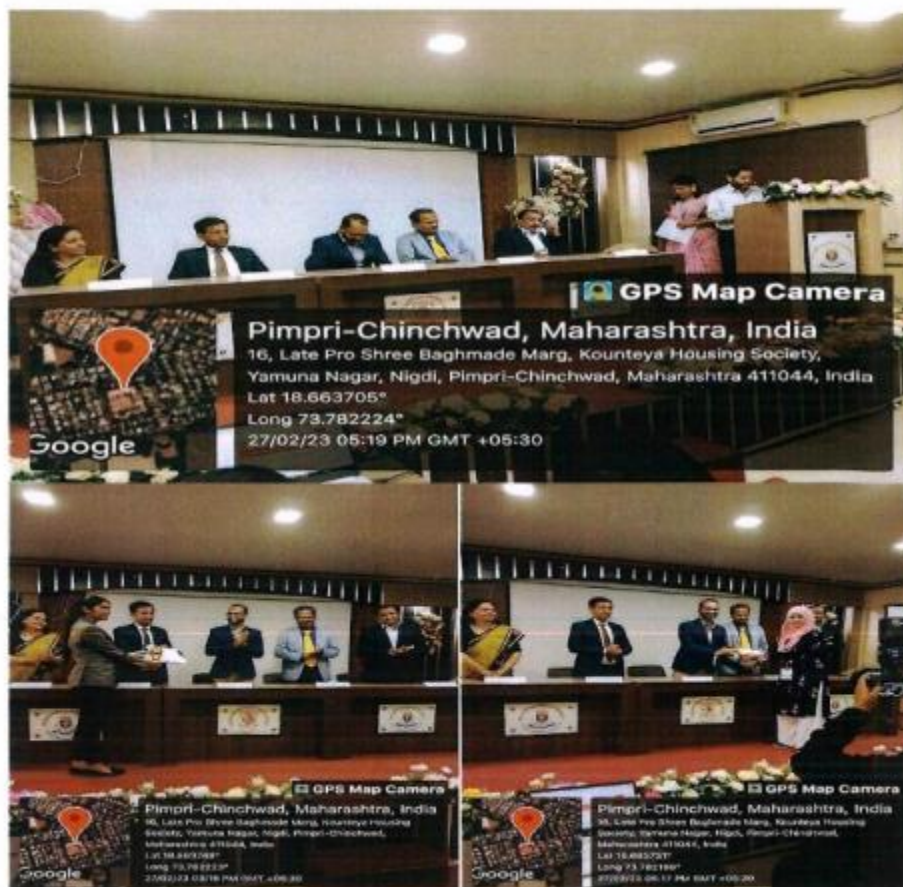
- Pharmaceutical Care
- Health-economics and outcome-research
- Pharmacovigilance and Materiovigilance
- Digital therapeutics and telemedicine
- Pharmacoepidemiology and pharmacoeconomics
- Rare and interventional care report/case studies
- Community outreach research
- Health related quality of life research sessions.

The three evaluators Dr.Amita and Dr.Borle from Denanath Mangeshkar Hospital Pune and Dr.Bhushan Pimple from MCOP evaluated the posters very transparently and the best of the performers were presented with three prizes as first, second and third position with trophy by MCOP as host and cash prizes by President Dr.Vikram Chaudhary of Operant Pharmacy Federation.

The valedictory addresses of Dr. (Prof) Ramasamy, Head of Dept. of Pathology, Faculty of Medicine and Health Sciences & Teaching Hospital of UPM (HPUPM), University Putra Malaysia mesmerized the audience with very effective and impressive knowledge provoking talk at inference and Dr. Phatak offered an apt conclusion to the conference with specific summing up of the theme and proceedings of the conference and the acknowledgment of the efforts of the whole organizing team. The conference arrived at its end with and short and sweet, light entertainment program which gave a pleasant memorable finishing to the event.




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Principal
P. E. S. Modern College of Pharmacy
Sector No. 21, Yamunanagar, Nigdi,
Pune - 411 044.



Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044




MOU with Crystal Biological Solutions, Pune

Summary of activities under MOU

| Sr no | Academic Year | Name of Activity | No of beneficiaries | Start Date | End Date |
|-------|---------------------------|----------------------|---------------------|------------|------------|
| 1 | 2021-2022 | 1. Industrial Visit | 20 | 21/05/2022 | 21/05/2022 |
| | | 2. Hands-On Training | 02 | 21/05/2022 | 21/05/2022 |





CRYSTAL BIOLOGICAL SOLUTIONS

ISO 9001:2015
Reg No-2030/PO/RcBIS/S/18/CPCSEA

D Global Building, Sai Park, Lane -5, Handewadi Chowk,
Uruli Devachi, Pune-421308, Maharashtra, India
Phone: 9730980137, 9970706670, email: crystalbio.pune@gmail.com



MEMORANDUM OF UNDERSTANDING


BETWEEN

Progressive Education Society's Modern College of Pharmacy Sector 21, Yamunanagar, Nigdi, Pune-411044, which is represented by its principal named Dr. Pravin D. Chaudhari here in named as party one

AND

Crystal Biological Solutions, D Global building, Sai Park lane no. 5, Shewahwadi road, Uruli Devachi, Pune- 412308 here in named party two




Principal
P.E.S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

THIS MEMORANDUM OF UNDERSTANDING IS MADE AT PUNE ON 15th April 2022

WHEREAS

The First Party is Educational Institute/College named as above. First Party is the amongst the premium Pharmacy institutes imparting quality education in a sector of Pharmaceutical Sciences as well as carrying out research in Pharmaceutical Sciences. It is established in 1998 in Pimpri-Chinchwad industrial belt and run by Progressive Education Society Pune-5. It offers Undergraduate (B. Pharm.), Pharm D, Post graduate (M. Pharm) and Doctoral courses (Ph.D) in Pharmacy. All the courses are recognized by Pharmacy Council of India (PCI), Institute is affiliated to Savitribai Phule Pune University, Pune, Approved by All India Council for Technical Education (AICTE), Maharashtra State Board of Technical Education and also approved under 2(f) and 12 (B) of the UGC Act. With the relentless efforts of dedicated and competent faculty, updated curriculum, innovative methods of instructions top end infrastructure and sturdy support of management, it has emerged as a center of academic excellence and attracting students from all over India. Whereas the second party is also engaged in research in Pharmaceutical Sciences.

WHEREAS

Second Party is Crystal Biological Solutions was established in the year 2018. It is emerging as one of the leading Preclinical Contract Research Organization and laboratory animal breeders based out of Pune, Maharashtra. It is also having own consultation offices in Europe and USA. It provides Toxicology Testing and Preclinical Research Services as per Regulatory Guidelines ISO 10993, OECD, FDA, ASTM, USP. It have a hygienically well maintained breeding facility through which it supply quality laboratory animals like Rat, Mice, Rabbit, Guinea Pig and Hamsters. Crystal Biological understands the importance of its client's projects and has been consistent in delivering the reports with highest quality, in accordance with industry standards with quick Turnaround time.

WHEREAS both the parties hereby covenant to adhere with following terms for entering into this Memorandum of Understanding:

- ✓ Both the parties shall maintain permanent channels of communication for exchange of information, facilities and research under Collaborative research projects, Industrial visit, Student Internship, Sharing expertise in Both ways, Demonstration of Equipment or new technology, Use of facilities at the end of both parties, Sharing library facilities,



Page 2 of 5

Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Seeking feedback on curriculum, co-curricular and extracurricular activities, Animal activities demonstration also involve in Co-organizing Seminar, Conferences and Workshops.

- Both the parties shall explore possibilities of updating the respective information technology systems if required.

GOALS AND OBJECTIVES

Both the parties being in the field of importing knowledge have agreed to collaborate to with following objects:


1. The purpose of this MOU is to continue to develop and expand a framework of co-operation between the First Party and Second party to develop mutually beneficial research projects and professionally competent ethically sound, skilled pharmacist at par with global standards.
2. Both the parties have agreed to work in the areas of mutual interest such as
 - ✓ Collaborative research projects
 - ✓ Industrial visit
 - ✓ Student internship
 - ✓ Sharing expertise in Both ways.
 - ✓ Demonstration of equipment or new technology
 - ✓ Use of facilities at the end of both parties
 - ✓ Sharing library facilities
 - ✓ Seeking feedback on curriculum, co-curricular and extracurricular activities
 - ✓ Co-organizing Seminar, Conferences and Workshops
 - ✓ Animal activities demonstration
3. Recognizing the importance of institutes of higher education's role in promoting collaboration and increased contribution of social economic development.

NOW THEREFORE THIS MEMORANDUM OF UNDERSTANDING WITNESSE AS UNDER

1. Field of Co-Operation:

- ✓ Co-operation between both the parties may be established within any field related to science and technology of mutual interest and in particular fields of Collaborative



Page 3 of 5

Principal
P. E. S. Modern College of Pharmacy,
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



research projects, Industrial visit, Student Internship, Sharing expertise in Both ways, Demonstration of Equipment or new technology, Use of facilities at the end of both parties, Sharing library facilities, Seeking feedback on curriculum co-curricular and extracurricular activities, Animal activities demonstration as well as involve in Co-organizing Seminar, Conferences and Workshops.

2. Management and Administration:

Negotiation, implementation and co-operation of the Memorandum of Understanding fall under the responsibility of both the parties.

3. General Provisions:


- a. Both the parties will carry out collaborative research activities, as a follow up to this Memorandum of Understanding. The activities must be carried out in accordance with appropriate laws of India for the time being in force.
- b. BOTH THE PARTY may allot such joint projects to B. Pharm, M.Pharm, Pharm D and Ph.D. students with the help of the staff and students of their organization. The required equipment for carrying out the R & D activity other than those available with FIRST PARTY and are to be made available by SECOND PARTY and Vice Versa or suitable assistance shall be borne by the BOTH THE PARTIES for getting such work done.
- c. The faculty, students and employees from both parties can freely interact on the joint research project. The faculty and the students can share the Laboratory and Instrumental facilities for smooth functioning of the project.
- d. The findings of the research work shall be published or patent jointly by the parties.
- e. If the results of this joint project are able to attract commercial utilization, then the financial benefit shall be shared between the two parties equally or through any mutually agreed arrangements.
- f. Both parties should follow rules and regulations during said activities in the premises.

4. Amendments:

This Memorandum of Understanding may be amended, if required, by mutual agreement between both the parties, formalized by an exchange of letters specifying the date of entry into force.

5. Settlement of Disputes:



Page 4 of 5

Principal
P. E. S. Modern College of Pharmacy
Sector No 21, Yamunanagar, Nigdi,
Pune - 411 044.



Any dispute which may arise in connection with the interpretation or enforcement of this Memorandum of Understanding shall be strived to be settled by mutual consultation between both the parties and for the purpose of settlement of dispute the jurisdiction shall be within the limits of Pune.





6. Termination:

Either Party may terminate this Memorandum of Understanding at any time with at least 90 days prior written notice to the other Party. The early termination of this Memorandum of Understanding will not affect the completion of any co-operation measures that were agreed under the annual work programs whilst it was in force.

7. Valid period:

This MOU shall take effect from the date of its signing and shall be valid for the period of 10 (Ten) years from the date on which it came into force.

Signed in Pune on 15/04/2022 in two original in English language.

| | | | |
|-----------------------------|--|------------------------------|--|
| For Party of the First Part | Progressive Education Society's Modern College of Pharmacy Sector 21, Yamunanagar, Nigdi, Pune - 411044. | For Party of the Second Part | Crystal Biological Solutions, D Global building, Sai Park lane no. 5, Shewalwadi road, Uruli Devachi, Pune- 412308 |
| Signature with seal |   | Signature with seal |   |
| Designation | Principal and Professor | Designation | Technical Director |
| Name | Dr. Pravin D. Chaudhari Email ID: pdchaudhari21@rediffmail.com Contact: 9850179873 | Name | Dr. Yogesh Talekar, Email ID: enquiry@crystalbiological.com Contact: + 91 9028506185 + 91 7276361762 |
| Date | 15/04/2022 | Date | 15/04/2022 |





Progressive Education Society's
MODERN COLLEGE OF PHARMACY

Accredited by NAAC & NBA
DST FIST Funded College

'Best College Award' by Savitribai Phule Pune University



Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently affiliated to
Savitribai Phule Pune University, Pune & Approved under Section (2 (f) & 12 (B) of UGC Act, 1956

Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044. (M.S.) Tel. : 020-27661314 / 15

E-mail : mcpnigdi44@gmail.com Website : www.mcop.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. Gajanan R. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council
P.E.Society, Pune

Ref :

Date :

Summary of Activity done under MOU Year wise

Name of concerned Industry: Crystal Biological Solution, Pune

Date of MOU: 15/04/2022 to 14/04/2032

Validity Period of MOU: 10 Years

| Sr no | Academic Year | Name of Activity | No of beneficiaries | Start Date | End Date |
|-------|---------------|----------------------|---------------------|------------|------------|
| 1 | 2021-2022 | 1. Industrial Visit | 20 | 21/05/2022 | 21/05/2022 |
| | | 2. Hands-On Training | 02 | 21/05/2022 | 21/05/2022 |

Dr. Pravin D. Chaudhari
Principal and Professor



MoU Incharge
Crystal Biological Solution, Pune



STRIVING TOWARDS EXCELLENCE FOREVER



2021-2022

P.E.S.'s Modern College of Pharmacy, Nigdi, Pune-44

Hands on Training Report

Name of Institute: Crystal Biological Solution, Pune

Organised By: P.E.S.'s Modern College of Pharmacy, Nigdi, Pune-44

Date: 21 May 2022

On 21 May 2022 first and second year M. Pharm students of Pharmacology department and we 2 faculties visited Crystal Biological Solutions at Uruli Devachi in Pune. Dr. Yogesh Talekar (Technical Director, Crystal Biological Solutions, Pune), Mrs. Priya (In vitro Department Head) and Miss Kiran (Study Director) welcomed us. Dr. Yogesh Talekar gave a brief introduction of the laboratory, facilities, medical devices and Animal house.

Dr. Yogesh explained us the facilities available inside the laboratory to us then we visited various areas like Archive room, storage room, TICO room, washing area, Surgery room, biochemistry lab, incubation room and animal house. The relative conditions like temperature, humidity in facility was measured and maintained. We got hands on training about the different equipment's and apparatus present in the laboratory. We were made familiar with various species of rat, mice, hamster, guinea pig and rabbit and demonstrated various routes of administration. In microbiology laboratory we got knowledge about maintenance of aseptic area, autoclave, incubator, cryocan, oven, laminar airflow hood, horizontal airflow hood and electronic microscope. Then we visited biochemistry laboratory in which we get familiar with working of PHmeter, colorimeter, ELISA reader, cell line counter, autoanalyzer.

After the tour Dr. Yogesh arranged a session on rat dissection and cleared our queries. We got hands on various equipment's and apparatus used in the preparation of cell lines were made familiar. The detailed process of maintenance of these cell lines and various animals was explained. Overall visit helped us in understanding preclinical studies, use of cell lines in research, maintenance and handling of animals.

Name of Faculties

1. Prof. Prashant Pawar

2. Prof. Swateja Bhosale



[Signature]
Principal
P. E. S. Modern College of Pharmacy
Sector No 21, Yamunanagar, Nigdi
Pune - 411 044.



CRYSTAL BIOLOGICAL SOLUTIONS

ISO 9001:2015
Reg No-2030/PO/RcBIB/S/13/CPCSEA


D Global Building, Sal Park, Lane -5, Handewadi Chowk,
Uruli Devachi, Pune-411008, Maharashtra, India
Phone: 9730980137, 9970706670, email: crystalbio.pune@gmail.com

PRECLINICAL - TOXICOLOGY
TESTING - RESEARCH

Date: 21/05/2022


Hands on Training Certificate

This is to certify that Prof. Prashant Pawar Assistant Professor from Progressive Education Society's Modern College of Pharmacy Nigdi has completed one day hands on training workshop on animal studies, handlings and various aspects and knowledge regarding experimental animals. We appreciate his enthusiasm and curiosity during workshop.



Director

Dr. Yogesh Talekar
Technical Director,
Toxicology and pharmacology department
Crystal Biological Solutions, Pune



Principal
P.E.S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411008

www.crystalbiological.com





P. E. Society's
Modern College of Pharmacy Nigdi-44

Industry Visit 2021-22

Notice

Date: 19/05/2022

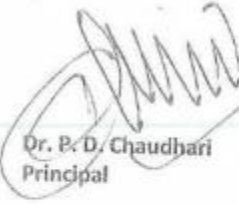
All Teaching faculty, Non-teaching staff and students of M Pharm are hereby informed that, our college has organize one day hands on training, animal demonstration and industry visit for M. Pharm students, the details of visit are as follows

Name of Place : Crystal Biological Solution Pune

Name of class : M. Pharm

Date: 21/05/2022 (Saturday)

Time for departure from college: 07:00 am


Dr. P. D. Chaudhari
Principal

Copy to
Principal
P. E. S. Modern College of Pharmacy
Sector No. 21, Yamunanagar, Nigdi,
Pune - 411 044
2. Class teachers





Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



P.E.S's Modern College of Pharmacy, Nigdi, Pune-44

Industrial Visit Report

Name of Institute: Crystal Biological Solution, Pune

Organised By: P.E.S's Modern College of Pharmacy, Nigdi, Pune-44

Date: 21 May 2022

On 21 May 2022 first and second year M. Pharm students of Pharmacology department along with faculty Prof. Prashant Pawar and Prof. Swateja Bhosale visited Crystal Biological Solutions at Uruli Devachi in Pune. Dr. Yogesh Talekar (Technical Director, Crystal Biological Solutions, Pune), Mrs. Priya (In vitro Department Head) and Miss Kiran (Study Director) welcomed us. Dr. Yogesh Talekar gave a brief introduction of the laboratory, facilities, medical devices and Animal house.

They explained us the facilities available inside the laboratory. we visited various areas like Archive room, storage room, TICO room, washing area, Surgery room, biochemistry lab, incubation room, animal house. The relative conditions like temperature, humidity in facility was measured and maintained. We got knowledge about the different equipment's and apparatus present in the laboratory. We were made familiar with various species of rat, mice, hamster, guinea pig and rabbit. In microbiology laboratory we got knowledge about maintenance of aseptic area, autoclave, incubator, cryocan, oven, laminar airflow hood, horizontal airflow hood and electronic microscope. Then we visited biochemistry laboratory in which we get familiar with working of PHmeter, colorimeter, ELISA reader, cell line counter, autoanalyzer.

After the tour Dr. Yogesh arranged a session on rat dissection and cleared our queries. We got knowledge about the various equipment's and apparatus used in the preparation of cell lines were made familiar. The detailed process of maintenance of these cell lines and various animals was explained. Overall visit helped us in understanding preclinical studies, use of cell lines in research, maintenance and handling of animals.



Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



PES Modern College of Pharmacy, Nigdi, Pune-44

List of selected students for Industry Visit

Name industry: Crystal Biological Solution Pune, Maharashtra Pune.

Date: 21/05/2022 Class: B. Pharm/M Pharm

| Sr. No | Name of Students |
|--------|-----------------------------|
| 1. | Akanksha Amritkar |
| 2. | Pranali Bhandare |
| 3. | Abhijeet Deshmukh |
| 4. | Gayatri Gadekar |
| 5. | Vinod Gaikwad |
| 6. | Pratiksha Hajare |
| 7. | Dhanashri Katkar |
| 8. | Pradnya Khelbude |
| 9. | Mohsin Mansoori |
| 10. | Kajal Pawade |
| 11. | Nikita Pawar |
| 12. | Ganesh Pore |
| 13. | Surabhi Shinde |
| 14. | Kalsait Omkar Harishchandra |
| 15. | Ingole Pooja Nana |
| 16. | Kotkar Ashwini Chitrangad |
| 17. | Mahale Ritu Rajendra |
| 18. | Navale Ashwini Bhausaheb |
| 19. | Suraj Satpute |
| 20. | Sham Abuj |

Prof. P. A Pawar
Co-ordinator of training/visit



Dr. P. D. Chaudhari
Principal
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Participants Name and Signature:

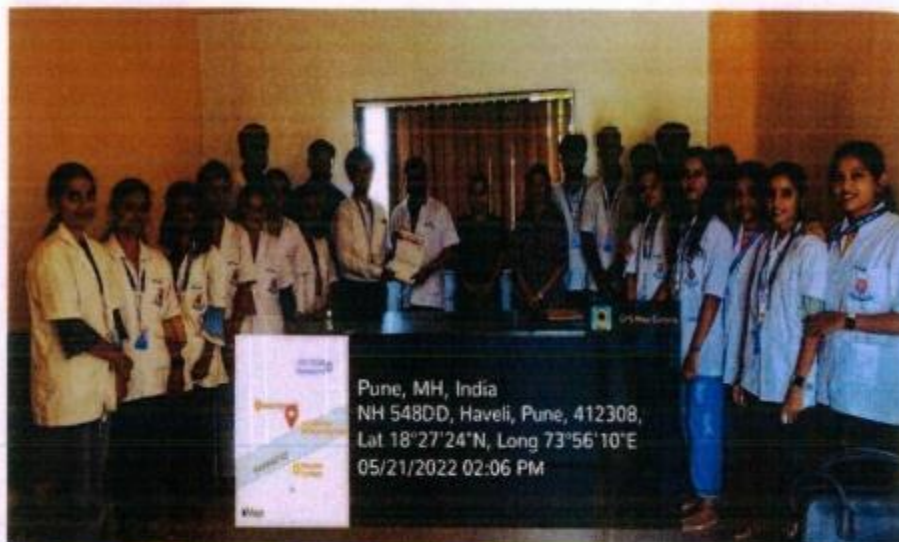
| Sr. No | Name of Students | Signature |
|--------|-----------------------------|-----------|
| 1. | Akanksha Amritkar | |
| 2. | Pranali Bhandare | |
| 3. | Abhijeet Deshmukh | |
| 4. | Gayatri Gadekar | |
| 5. | Vinod Gaikwad | |
| 6. | Pratiksha Hajare | |
| 7. | Dhanashri Katkar | |
| 8. | Pradnya Khelbude | |
| 9. | Mohsin Mansoori | |
| 10. | Kajal Pawade | |
| 11. | Nikita Pawar | |
| 12. | Ganesh Pore | |
| 13. | Surabhi Shinde | |
| 14. | Kalsait Omkar Harishchandra | |
| 15. | Ingole Pooja Nana | |
| 16. | Kotkar Ashwini Chitrangad | |
| 17. | Mahale Ritu Rajendra | |
| 18. | Navale Ashwini Bhausaheb | |
| 19. | Suraj Satpute | |
| 20. | Sham Abuj | |



Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

helped us in understanding preclinical studies, use of cell lines in research, maintenance and handling of animals.

Photo



Principal
E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044



CRYSTAL BIOLOGICAL SOLUTIONS

ISO 9001:2015

Reg No-2030/PO/RcB/BI/S/18/CPCSEA

D Global Building, Sai Park, Lane -5, Handewadi Chowk,
Uruli Devachi, Pune-421308, Maharashtra, India

Phone: 9730980137, 9970706670, email: crystalbio.pune@gmail.com

21/05/2022

Certificate

To whom so ever concerned

This is to certify that Students of B.Pharm/M.Pharm from Progressive education Society's Modern college of Pharmacy Nigdi Pune 44 had visited Crystal Biological Solution, Pune. We had given them information about entire facility like Animal care, Animal ethics, Research projects, handling of various experimental animals, some demonstrations of animal route of administrations and animal dissections. Total 20 students along with 2 Teaching faculty members from College visited our Institute.

Thanks & regards

Director

Dr. Yogesh Talekar

Technical Director,

Toxicology and pharmacology department

Crystal Biological Solutions, Pune



Principal

P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044

www.crystalbiological.com



MOU with Skill academy by textbook, Navi Mumbai

Summary of activities under MOU

| Sr no | Academic Year | Name of Activity | No of beneficiaries | Start Date | End Date |
|-------|---------------------------|------------------|---------------------|------------|------------|
| 1 | 2021-2022 | Online Webinar | 65 | 28/05/2022 | 28/05/2022 |
| | | Online Webinar | 88 | 24/04/2022 | 29/04/2022 |
| 2 | 2022-2023 | Online Webinar | 84 | 21/01/2023 | 21/01/2023 |
| | | Online Webinar | 65 | 17/09/2022 | 17/09/2022 |
| | | Online Webinar | 84 | 24/12/2022 | 24/12/2022 |

Skill academy
by testbook



Memorandum of Understanding (MoU)

Between

**MODERN COLLEGE OF
PHARMACY NIGDI PUNE**
and

Skill Academy by Testbook

March 29, 2022




Principal

P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

Skill Academy
by Testbook

Ref: **MEMORANDUM OF UNDERSTANDING** Date:

This Memorandum of Understanding ("MoU") is entered into as of March 27, 2022 (the "Execution Date") by and between MODERN COLLEGE OF PHARMACY NIGDI PUNE, (hereinafter referred to as "MCP")

AND

Testbook Edu Solutions Pvt. Ltd. (PAN: AACSS8515R and CIN: U72200MH2013PTC241118), a private limited company incorporated under the Companies Act, 1956, engaged in providing online educational courses to students, having its registered office at 1st and 2nd Floor, Zion Building, Plot no. 773, Sector No. 10, Kharghar, Navi Mumbai, Raigadhi, Maharashtra - 410210 (hereinafter referred to as "Skill Academy", which expression shall unless repugnant to the context or meaning hereof shall mean and include its successors and permitted assigns) represented herein by its Director, Mr. Ashutosh Kumar, duly authorized by its board of directors vide resolution dated 16th November 2019.

Parties

WHEREAS:

A. Skill Academy will provide its services under Skill Academy Campus Program for use by MCP in respect of "End Users" (all students who are presently enrolled in any program with the institution), in accordance with the terms and conditions set out herein.

B. Pursuant to the foregoing, the Parties have agreed to enter into this MoU to set forth the terms and conditions of their arrangement in the following sections.

As a part of this MoU, both the parties have identified and hereto agree to the following responsibilities respectively:

RESPONSIBILITIES

Responsibilities of Skill Academy


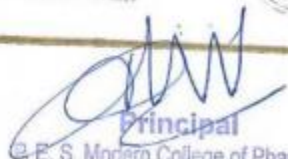
A. Skill Academy with the help of MCP shall get all the willing students of MCP to register in the Skill Academy Camp with email ID & contact number to avail the services & benefits

B. There will be no financial implications involved between Skill Academy and MCP

During the "Term" (defined hereafter) of this MoU, the end-users will get the following benefits under Skill Academy Camp.

- Complete Preparation for Job & Internship - Activities for a period of 1 year which would include Live Aptitude Tests & Company Specific Mock Tests.
- Live Bootcamp From Top Industry Experts (Minimum of 25)
- Free Access to all the content under Testbook Pass for a period of 1 month
- Chance to get Internships & full-time job opportunities through various competitions.

TESTBOOK EDU SOLUTIONS PVT. LTD.
1st & 2nd Floor, Zion Building, Plot No. 773, Sector - 10, Kharghar, Navi Mumbai - 410210
CIN: U72200MH2013PTC241118



Principal
P. E. S. Modern College of Pharmacy
Sector No. 21, Yamunanagar, Nigdi,
Pune - 411 044.

skill academy
by testbook

C. Select Campus Representative (Active Students of MCP with the help of college management who will assist & students to get registered in the Skill Academy Camp. These Campus Representative will also be awarded the Appreciation Certificate for their full-year contribution to help their peers prepare better for jobs and internships.

D. Campus Performance Dashboard which will provide real-time performance analytics of student engagement & performance to college management. Performance of those students will only be included who register in the Skill Academy Camp with the help of Campus Representative.

1.1 Responsibilities of MCP

A. Recommend a list of Campus Representatives from each year, who will work closely with the Skill Academy team to register all students of the college in the Skill Academy Camp.

B. To spread the awareness about the benefits of Skill Academy Camp among college students through all means possible in the capacity of college management like Issuing Notice, email, SMS, Whatsapp, Facebook, LinkedIn, etc.

C. To help Skill Academy Team in promoting various Live Sessions, Skills Bootcamps, Aptitude Tests, etc among college students through all means possible so that a maximum number of students can be benefitted.

D. Facilitate in forming a Whatsapp Group with the Campus Representatives & Placement Cell Representative and Skill Academy team which would act as a common point of interaction/communication.

2. Other provisions:

A. This MoU shall be valid for an initial period of 1 (one) year from the Execution Date ("Term") unless terminated earlier by Parties.

B. Skill Academy shall keep all the data collected from the students confidential and shall NOT share/disclose to anyone in any form whatsoever without prior written permission from the students. Skill Academy also agrees that the data collected shall be used for the purpose envisaged in this MoU and not for any other purpose.

AGREED AND ACCEPTED:

For and on behalf of MODERN COLLEGE OF PHARMACY NIGDI PUNE

Signature:

Name: P. D. Chaudhari

Title: Principal

Date: 30-3-2022

For and on behalf of Skill Academy by
TESTBOOK EDU SOLUTIONS PVT LTD

Signature:

Name: Ashutosh Kumar

Title: CEO

Date: 31 Mar 2022

Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yemunanagar, Nigdi,
Pune - 411 044.

TESTBOOK EDU SOLUTIONS PVT. LTD.
115, 117, 119, 121, 123, 125, 127, 129, 131, 133, 135, 137, 139, 141, 143, 145, 147, 149, 151, 153, 155, 157, 159, 161, 163, 165, 167, 169, 171, 173, 175, 177, 179, 181, 183, 185, 187, 189, 191, 193, 195, 197, 199, 201, 203, 205, 207, 209, 211, 213, 215, 217, 219, 221, 223, 225, 227, 229, 231, 233, 235, 237, 239, 241, 243, 245, 247, 249, 251, 253, 255, 257, 259, 261, 263, 265, 267, 269, 271, 273, 275, 277, 279, 281, 283, 285, 287, 289, 291, 293, 295, 297, 299, 301, 303, 305, 307, 309, 311, 313, 315, 317, 319, 321, 323, 325, 327, 329, 331, 333, 335, 337, 339, 341, 343, 345, 347, 349, 351, 353, 355, 357, 359, 361, 363, 365, 367, 369, 371, 373, 375, 377, 379, 381, 383, 385, 387, 389, 391, 393, 395, 397, 399, 401, 403, 405, 407, 409, 411, 413, 415, 417, 419, 421, 423, 425, 427, 429, 431, 433, 435, 437, 439, 441, 443, 445, 447, 449, 451, 453, 455, 457, 459, 461, 463, 465, 467, 469, 471, 473, 475, 477, 479, 481, 483, 485, 487, 489, 491, 493, 495, 497, 499, 501, 503, 505, 507, 509, 511, 513, 515, 517, 519, 521, 523, 525, 527, 529, 531, 533, 535, 537, 539, 541, 543, 545, 547, 549, 551, 553, 555, 557, 559, 561, 563, 565, 567, 569, 571, 573, 575, 577, 579, 581, 583, 585, 587, 589, 591, 593, 595, 597, 599, 601, 603, 605, 607, 609, 611, 613, 615, 617, 619, 621, 623, 625, 627, 629, 631, 633, 635, 637, 639, 641, 643, 645, 647, 649, 651, 653, 655, 657, 659, 661, 663, 665, 667, 669, 671, 673, 675, 677, 679, 681, 683, 685, 687, 689, 691, 693, 695, 697, 699, 701, 703, 705, 707, 709, 711, 713, 715, 717, 719, 721, 723, 725, 727, 729, 731, 733, 735, 737, 739, 741, 743, 745, 747, 749, 751, 753, 755, 757, 759, 761, 763, 765, 767, 769, 771, 773, 775, 777, 779, 781, 783, 785, 787, 789, 791, 793, 795, 797, 799, 801, 803, 805, 807, 809, 811, 813, 815, 817, 819, 821, 823, 825, 827, 829, 831, 833, 835, 837, 839, 841, 843, 845, 847, 849, 851, 853, 855, 857, 859, 861, 863, 865, 867, 869, 871, 873, 875, 877, 879, 881, 883, 885, 887, 889, 891, 893, 895, 897, 899, 901, 903, 905, 907, 909, 911, 913, 915, 917, 919, 921, 923, 925, 927, 929, 931, 933, 935, 937, 939, 941, 943, 945, 947, 949, 951, 953, 955, 957, 959, 961, 963, 965, 967, 969, 971, 973, 975, 977, 979, 981, 983, 985, 987, 989, 991, 993, 995, 997, 999, 1001, 1003, 1005, 1007, 1009, 1011, 1013, 1015, 1017, 1019, 1021, 1023, 1025, 1027, 1029, 1031, 1033, 1035, 1037, 1039, 1041, 1043, 1045, 1047, 1049, 1051, 1053, 1055, 1057, 1059, 1061, 1063, 1065, 1067, 1069, 1071, 1073, 1075, 1077, 1079, 1081, 1083, 1085, 1087, 1089, 1091, 1093, 1095, 1097, 1099, 1101, 1103, 1105, 1107, 1109, 1111, 1113, 1115, 1117, 1119, 1121, 1123, 1125, 1127, 1129, 1131, 1133, 1135, 1137, 1139, 1141, 1143, 1145, 1147, 1149, 1151, 1153, 1155, 1157, 1159, 1161, 1163, 1165, 1167, 1169, 1171, 1173, 1175, 1177, 1179, 1181, 1183, 1185, 1187, 1189, 1191, 1193, 1195, 1197, 1199, 1201, 1203, 1205, 1207, 1209, 1211, 1213, 1215, 1217, 1219, 1221, 1223, 1225, 1227, 1229, 1231, 1233, 1235, 1237, 1239, 1241, 1243, 1245, 1247, 1249, 1251, 1253, 1255, 1257, 1259, 1261, 1263, 1265, 1267, 1269, 1271, 1273, 1275, 1277, 1279, 1281, 1283, 1285, 1287, 1289, 1291, 1293, 1295, 1297, 1299, 1301, 1303, 1305, 1307, 1309, 1311, 1313, 1315, 1317, 1319, 1321, 1323, 1325, 1327, 1329, 1331, 1333, 1335, 1337, 1339, 1341, 1343, 1345, 1347, 1349, 1351, 1353, 1355, 1357, 1359, 1361, 1363, 1365, 1367, 1369, 1371, 1373, 1375, 1377, 1379, 1381, 1383, 1385, 1387, 1389, 1391, 1393, 1395, 1397, 1399, 1401, 1403, 1405, 1407, 1409, 1411, 1413, 1415, 1417, 1419, 1421, 1423, 1425, 1427, 1429, 1431, 1433, 1435, 1437, 1439, 1441, 1443, 1445, 1447, 1449, 1451, 1453, 1455, 1457, 1459, 1461, 1463, 1465, 1467, 1469, 1471, 1473, 1475, 1477, 1479, 1481, 1483, 1485, 1487, 1489, 1491, 1493, 1495, 1497, 1499, 1501, 1503, 1505, 1507, 1509, 1511, 1513, 1515, 1517, 1519, 1521, 1523, 1525, 1527, 1529, 1531, 1533, 1535, 1537, 1539, 1541, 1543, 1545, 1547, 1549, 1551, 1553, 1555, 1557, 1559, 1561, 1563, 1565, 1567, 1569, 1571, 1573, 1575, 1577, 1579, 1581, 1583, 1585, 1587, 1589, 1591, 1593, 1595, 1597, 1599, 1601, 1603, 1605, 1607, 1609, 1611, 1613, 1615, 1617, 1619, 1621, 1623, 1625, 1627, 1629, 1631, 1633, 1635, 1637, 1639, 1641, 1643, 1645, 1647, 1649, 1651, 1653, 1655, 1657, 1659, 1661, 1663, 1665, 1667, 1669, 1671, 1673, 1675, 1677, 1679, 1681, 1683, 1685, 1687, 1689, 1691, 1693, 1695, 1697, 1699, 1701, 1703, 1705, 1707, 1709, 1711, 1713, 1715, 1717, 1719, 1721, 1723, 1725, 1727, 1729, 1731, 1733, 1735, 1737, 1739, 1741, 1743, 1745, 1747, 1749, 1751, 1753, 1755, 1757, 1759, 1761, 1763, 1765, 1767, 1769, 1771, 1773, 1775, 1777, 1779, 1781, 1783, 1785, 1787, 1789, 1791, 1793, 1795, 1797, 1799, 1801, 1803, 1805, 1807, 1809, 1811, 1813, 1815, 1817, 1819, 1821, 1823, 1825, 1827, 1829, 1831, 1833, 1835, 1837, 1839, 1841, 1843, 1845, 1847, 1849, 1851, 1853, 1855, 1857, 1859, 1861, 1863, 1865, 1867, 1869, 1871, 1873, 1875, 1877, 1879, 1881, 1883, 1885, 1887, 1889, 1891, 1893, 1895, 1897, 1899, 1901, 1903, 1905, 1907, 1909, 1911, 1913, 1915, 1917, 1919, 1921, 1923, 1925, 1927, 1929, 1931, 1933, 1935, 1937, 1939, 1941, 1943, 1945, 1947, 1949, 1951, 1953, 1955, 1957, 1959, 1961, 1963, 1965, 1967, 1969, 1971, 1973, 1975, 1977, 1979, 1981, 1983, 1985, 1987, 1989, 1991, 1993, 1995, 1997, 1999, 2001, 2003, 2005, 2007, 2009, 2011, 2013, 2015, 2017, 2019, 2021, 2023, 2025, 2027, 2029, 2031, 2033, 2035, 2037, 2039, 2041, 2043, 2045, 2047, 2049, 2051, 2053, 2055, 2057, 2059, 2061, 2063, 2065, 2067, 2069, 2071, 2073, 2075, 2077, 2079, 2081, 2083, 2085, 2087, 2089, 2091, 2093, 2095, 2097, 2099, 2101, 2103, 2105, 2107, 2109, 2111, 2113, 2115, 2117, 2119, 2121, 2123, 2125, 2127, 2129, 2131, 2133, 2135, 2137, 2139, 2141, 2143, 2145, 2147, 2149, 2151, 2153, 2155, 2157, 2159, 2161, 2163, 2165, 2167, 2169, 2171, 2173, 2175, 2177, 2179, 2181, 2183, 2185, 2187, 2189, 2191, 2193, 2195, 2197, 2199, 2201, 2203, 2205, 2207, 2209, 2211, 2213, 2215, 2217, 2219, 2221, 2223, 2225, 2227, 2229, 2231, 2233, 2235, 2237, 2239, 2241, 2243, 2245, 2247, 2249, 2251, 2253, 2255, 2257, 2259, 2261, 2263, 2265, 2267, 2269, 2271, 2273, 2275, 2277, 2279, 2281, 2283, 2285, 2287, 2289, 2291, 2293, 2295, 2297, 2299, 2301, 2303, 2305, 2307, 2309, 2311, 2313, 2315, 2317, 2319, 2321, 2323, 2325, 2327, 2329, 2331, 2333, 2335, 2337, 2339, 2341, 2343, 2345, 2347, 2349, 2351, 2353, 2355, 2357, 2359, 2361, 2363, 2365, 2367, 2369, 2371, 2373, 2375, 2377, 2379, 2381, 2383, 2385, 2387, 2389, 2391, 2393, 2395, 2397, 2399, 2401, 2403, 2405, 2407, 2409, 2411, 2413, 2415, 2417, 2419, 2421, 2423, 2425, 2427, 2429, 2431, 2433, 2435, 2437, 2439, 2441, 2443, 2445, 2447, 2449, 2451, 2453, 2455, 2457, 2459, 2461, 2463, 2465, 2467, 2469, 2471, 2473, 2475, 2477, 2479, 2481, 2483, 2485, 2487, 2489, 2491, 2493, 2495, 2497, 2499, 2501, 2503, 2505, 2507, 2509, 2511, 2513, 2515, 2517, 2519, 2521, 2523, 2525, 2527, 2529, 2531, 2533, 2535, 2537, 2539, 2541, 2543, 2545, 2547, 2549, 2551, 2553, 2555, 2557, 2559, 2561, 2563, 2565, 2567, 2569, 2571, 2573, 2575, 2577, 2579, 2581, 2583, 2585, 2587, 2589, 2591, 2593, 2595, 2597, 2599, 2601, 2603, 2605, 2607, 2609, 2611, 2613, 2615, 2617, 2619, 2621, 2623, 2625, 2627, 2629, 2631, 2633, 2635, 2637, 2639, 2641, 2643, 2645, 2647, 2649, 2651, 2653, 2655, 2657, 2659, 2661, 2663, 2665, 2667, 2669, 2671, 2673, 2675, 2677, 2679, 2681, 2683, 2685, 2687, 2689, 2691, 2693, 2695, 2697, 2699, 2701, 2703, 2705, 2707, 2709, 2711, 2713, 2715, 2717, 2719, 2721, 2723, 2725, 2727, 2729, 2731, 2733, 2735, 2737, 2739, 2741, 2743, 2745, 2747, 2749, 2751, 2753, 2755, 2757, 2759, 2761, 2763, 2765, 2767, 2769, 2771, 2773, 2775, 2777, 2779, 2781, 2783, 2785, 2787, 2789, 2791, 2793, 2795, 2797, 2799, 2801, 2803, 2805, 2807, 2809, 2811, 2813, 2815, 2817, 2819, 2821, 2823, 2825, 2827, 2829, 2831, 2833, 2835, 2837, 2839, 2841, 2843, 2845, 2847, 2849, 2851, 2853, 2855, 2857, 2859, 2861, 2863, 2865, 2867, 2869, 2871, 2873, 2875, 2877, 2879, 2881, 2883, 2885, 2887, 2889, 2891, 2893, 2895, 2897, 2899, 2901, 2903, 2905, 2907, 2909, 2911, 2913, 2915, 2917, 2919, 2921, 2923, 2925, 2927, 2929, 2931, 2933, 2935, 2937, 2939, 2941, 2943, 2945, 2947, 2949, 2951, 2953, 2955, 2957, 2959, 2961, 2963, 2965, 2967, 2969, 2971, 2973, 2975, 2977, 2979, 2981, 2983, 2985, 2987, 2989, 2991, 2993, 2995, 2997, 2999, 3001, 3003, 3005, 3007, 3009, 3011, 3013, 3015, 3017, 3019, 3021, 3023, 3025, 3027, 3029, 3031, 3033, 3035, 3037, 3039, 3041, 3043, 3045, 3047, 3049, 3051, 3053, 3055, 3057, 3059, 3061, 3063, 3065, 3067, 3069, 3071, 3073, 3075, 3077, 3079, 3081, 3083, 3085, 3087, 3089, 3091, 3093, 3095, 3097, 3099, 3101, 3103, 3105, 3107, 3109, 3111, 3113, 3115, 3117, 3119, 3121, 3123, 3125, 3127, 3129, 3131, 3133, 3135, 3137, 3139, 3141, 3143, 3145, 3147, 3149, 3151, 3153, 3155, 3157, 3159, 3161, 3163, 3165, 3167, 3169, 3171, 3173, 3175, 3177, 3179, 3181, 3183, 3185, 3187, 3189, 3191, 3193, 3195, 3197, 3199, 3201, 3203, 3205, 3207, 3209, 3211, 3213, 3215, 3217, 3219, 3221, 3223, 3225, 3227, 3229, 3231, 3233, 3235, 3237, 3239, 3241, 3243, 3245, 3247, 3249, 3251, 3253, 3255, 3257, 3259, 3261, 3263, 3265, 3267, 3269, 3271, 3273, 3275, 3277, 3279, 3281, 3283, 3285, 3287, 3289, 3291, 3293, 3295, 3297, 3299, 3301, 3303, 3305, 3307, 3309, 3311, 3313, 3315, 3317, 3319, 3321, 3323, 3325, 3327, 3329, 3331, 3333, 3335, 3337, 3339, 3341, 3343, 3345, 3347, 3349, 3351, 3353, 3355, 3357, 3359, 3361, 3363, 3365, 3367, 3369, 3371, 3373, 3375, 3377, 3379, 3381, 3383, 3385, 3387, 3389, 3391, 3393, 3395, 3397, 3399, 3401, 3403, 3405, 3407, 3409, 3411, 3413, 3415, 3417, 3419, 3421, 3423, 3425, 3427, 3429, 3431, 3433, 3435, 3437, 3439, 3441, 3443, 3445, 3447, 3449, 3451, 3453, 3455, 3457, 3459, 3461, 3463, 3465, 3467, 3469, 3471, 3473, 3475, 3477, 3479, 3481, 3483, 3485, 3487, 3489, 3491, 3493, 3495, 3497, 3499, 3501, 3503, 3505, 3507, 3509, 3511, 3513, 3515, 3517, 3519, 3521, 3523, 3525, 3527, 3529, 3531, 3533, 3535, 3537, 3539, 3541, 3543, 3545, 3547, 3549, 3551, 3553, 3555, 3557, 3559, 3561, 3563, 3565, 3567, 3569, 3571, 3573, 3575, 3577, 3579, 3581, 3583, 3585, 3587, 3589, 3591, 3593, 3595, 3597, 3599, 3601, 3603, 3605, 3607, 3609, 3611, 3613, 3615, 3617, 3619, 3621, 3623, 3625, 3627, 3629, 3631, 3633, 3635, 3637, 3639, 3641, 3643, 3645, 3647, 3649, 3651, 3653, 3655, 3657, 3659, 3661, 3663, 3665, 3667, 3669, 3671, 3673, 3675, 3677, 3679, 3681, 3683, 3685, 3687, 3689, 3691, 3693, 3695, 3697, 3699, 3701, 3703, 3705, 3707, 3709, 3711, 3713, 3715, 3717, 3719, 3721, 3723, 3725, 3727, 3729, 3731, 3733, 3735, 3737, 3739, 3741, 3743, 3745, 3747, 3749, 3751, 3753, 3755, 3757, 3759, 3761, 3763, 3765, 3767, 3769, 3771, 3773, 3775, 3777, 3779, 3781, 3783, 3785, 3787, 3789, 3791, 3793, 3795, 3797, 3799, 3801, 3803, 3805, 3807, 3809, 3811, 3813, 3815, 3817, 3819, 3821, 3823, 3825, 3827, 3829, 3831, 3833, 3835, 3837, 3839, 3841, 3843, 3845, 3847, 3849, 3851, 3853, 3855, 3857, 3859, 3861, 3863, 3865, 3867, 3869, 3871, 3873, 3875, 3877, 3879, 3881, 3883, 3885, 3887, 3889, 3891, 3893, 3895, 3897, 3899, 3901, 3903, 3905, 3907, 3909, 3911, 3913, 3915, 3917, 3919, 3921, 3923, 3925, 3927, 3929, 3931, 3933, 3935, 3937, 3939, 3941, 3943, 3945, 3947, 3949, 3951, 3953, 3955, 3957, 3959, 3961, 3963, 3965, 3967, 3969, 3971, 3973, 3975, 3977, 3979, 3981, 3983, 3985, 3987, 3989, 3991, 3993, 3995, 3997, 3999, 4001, 4003, 4005, 4007, 4009, 4011, 4013, 4015, 4017, 4019, 4021, 4023, 4025, 4027, 4029, 4031, 4033, 4035, 4037, 4039, 4041, 4043, 4045, 4047, 4049, 4051, 4053, 4055, 4057, 4059, 4061, 4063, 4065, 4067, 4069, 4071, 4073, 4075, 4077, 4079, 4081, 4083, 4085, 4087, 4089, 4091, 4093, 4095, 4097, 4099, 4101, 4



Progressive Education Society's
MODERN COLLEGE OF PHARMACY

Accredited by NAAC & NBA
DST FIST Funded College

'Best College Award' by Savitribai Phule Pune University



Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently affiliated to
Savitribai Phule Pune University, Pune & Approved under Section (2 (f) & 12 (B) of UGC Act, 1956

Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044, (M.S.) Tel. : 020-27661314 / 15

E-mail : mcpnigdi44@gmail.com Website : www.mcop.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. Gajanan R. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council
P.E. Society, Pune

Ref :

Date : 07/06/2023

Summary of Activity done under MOU Year wise

Name of concerned Organization: Skill Academy by Text book, Navi Mumbai.

Date of MOU: 30/03/2022 to 29/03/2023

Validity Period of MOU: 01 Year

| Sr no | Academic Year | Name of Activity | No of beneficiaries | Start Date | End Date |
|-------|---------------|------------------|---------------------|------------|------------|
| 1 | 2021-2022 | Online Webinar | 65 | 28/05/2022 | 28/05/2022 |
| | | Online Webinar | 88 | 24/04/2022 | 29/04/2022 |
| 2 | 2022-2023 | Online Webinar | 84 | 21/01/2023 | 21/01/2023 |
| | | Online Webinar | 65 | 17/09/2022 | 17/09/2022 |
| | | Online Webinar | 84 | 24/12/2022 | 24/12/2022 |

Dr. Pravin D. Chaudhari
Principal and Professor



MoU Incharge
Skill academy by Text book

STRIVING TOWARDS EXCELLENCE FOREVER



2021-2022

P. E. Society's
Modern College of Pharmacy, Nigdi, Pune.
Academic Year 2021-22

Date: 25/05/22

Training and Placement Cell
Notice

All the students of Final. Year B.Pharm and Second Year M.Pharm are hereby instructed to attend an online webinar on “Interview Preparation” by Testbook Skill Academy which has been organized on **28th May 2022.**

Time: 3:00pm to 4:30pm

Note: Attendance is compulsory. Monitoring of attendance will be done


Dr. Ms. K. S. Shaikh
Training and Placement Cell




Dr. P. D. Chaudhari
Principal


Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Attendance Sheet: Interview preparation by Testbook Skill Academy
(28/05/22)

| Sr. No | Participants | Sr. No | Participants |
|--------|------------------------------|--------|---------------------------------|
| 1 | Banduke Mugdha Vikas | 34 | Wadje Vittal Laxman |
| 2 | Bansode Ashwini Ramchandra | 35 | Bhabad Deepak Ramnath |
| 3 | Chaudhary Pradip Mohan | 36 | Bhansali Netal Rahul |
| 4 | Gaikwad Siddhi Gulchand | 37 | Bhatshankar Sanket Bandu |
| 5 | Gatkal Kajal Baliram | 38 | Mali Shubham Prakash |
| 6 | Hande Maithil Dattatray | 39 | Rao Raksha Krishnaraj |
| 7 | Inde Vaishnavi Somshankar | 40 | Ingole Pooja Nana |
| 8 | Kalaskar Smitesh Narayan | 41 | Kalsait Omkar Harishchandra |
| 9 | Kale Swati Uttam | 42 | Kotwal Snehal Udayrao |
| 10 | Khedekar Tejas Gulab | 43 | Bansude Tejmal Vijay |
| 11 | Lawande Prashant Sandip | 44 | Bhure Alka Ramesh |
| 12 | Male Vaibhavi Balaji | 45 | Giri Akshay Jalindar |
| 13 | Mande Tanvi Sanjay | 46 | Gujar Anuja Jaykumar |
| 14 | Mate Dnyaneshwari Sandip | 47 | Hase Akshay Popat |
| 15 | Mehta Harsh Harish | 48 | Jadhav Mayuresh Nandkumar |
| 16 | Mohite Anuja Avinash | 49 | Khandagale Mayur Ravikumar |
| 17 | Nalawade Sonali Milan | 50 | Kolsure Shruti Ramesh |
| 18 | Nemmaniwar Abhishek Sunil | 51 | Kshirsagar Pratiksha Umashankar |
| 19 | Patil Dinesh Vasudev | 52 | Lakambare Shraddha Rajesh |
| 20 | Patil Sayali Dipak | 53 | Shaikh Tabassum Khaju |
| 21 | Phapale Sanchit Prakash | 54 | Shirude Snehal Sunil |
| 22 | Ranaware Sunita Ramdas | 55 | Abuj Sham Bharat |
| 23 | Sadatpure Riddhi Purushottam | 56 | Badke Sarnag Vilas |
| 24 | Sawkar Rutuja Nitin | 57 | Chormale Dipali Suresh |
| 25 | Shaikh Tabassum Rahim | 58 | Dhonde Sneha Shivraj |
| 26 | Shelke Ganesh Suresh | 59 | Doiphode Netra Gajanan |
| 27 | Shirsat Pranali Sanjay | 60 | Dudhe Aniket Padmakant |
| 28 | Shrivastav Kalyani Rahul | 61 | Holambe Yashshri Rajebhau |
| 29 | Surwase Onkar Vishnu | 62 | Kahate Mayuri Raju |
| 30 | Taru Deepak Khandu | 63 | Korde Ketan Tukaram |
| 31 | Thombre Sandhya Bandu | 64 | Satpute Suraj Bhivasan |
| 32 | Tekade Mayur Sanjay | 65 | Takawle Mayuresh Vijaykumar |
| 33 | Shevade Gauri Pradeep | | |



Principal
P. E. S. Modern College of Pharmacy
Sector No. 21, Yemunanagar, Nigdi,
Pune - 411 044.



Progressive Education Society's
MODERN COLLEGE OF PHARMACY
Accredited by NAAC & NBA (B.Pharm. 2019 to June 2022)
'Best College Award' by Savitribai Phule Pune University

Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently affiliated to
Savitribai Phule Pune University, Pune & Approved under Section (2 (f) & 12 (B) of UGC Act, 1956

Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044. (M.S.) Tel. : 020-27661314 / 15
E-mail : mcopnigdi44@gmail.com Website : www.mcop.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. Gajanan R. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council
P.E. Society, Pune

Ref: M Cop / TL / 2021 - 22 / 528 - /
Date : 28 / 05 / 2022

To,
Mrs. Vartika Dixit
Testbook Skill Academy,
Pune


Dear Madam,


It was a great pleasure for us to have you as a resource person for guest lecture on the topic **Interview Preparation**. The interaction that the students had with you has really boosted their morale and it will surely help them to excel.


We are highly obliged as you spent your valuable time and shared the skills to crack an interview.

We look forward for your continuous association in future.

Thanking you,
Yours truly,


Dr. Mrs. K. S. Shaikh
Training & Placement In-charge




Dr. P. D. Chaudhari
Principal

Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

STRIVING TOWARDS EXCELLENCE FOREVER

Summary Report

On 28th May 2022, Training and placement cell of PES, Modern College of Pharmacy, Nigdi organized Online session for Final Year B. Pharm and Second Year M. Pharm on topic: **A testbook Skill Acaademy Webinar on Interview Preparation** by Mrs **Vartika Dixit Testbook Skill Acaademy**.

She explained about the Career opportunities and various topics were discussed which not only prepared for the interview but also cleared various doubts related to interview and how important communication skills are. At the end of the session students had interaction with Mrs Vartika Dixit and guided about their queries. The session was very informative and helpful for the students for preparing for the interview. Total 65 students attended the session.

The poster is for a webinar titled "Interview Preparation" by Vartika Dixit. It features the "skill academy by testbook" logo and a circular portrait of Vartika Dixit. The text on the poster includes "KaamKiBaat on", "Interview Preparation", "Vartika Dixit", "3:00 PM to 4:30 PM", "Talent Leader, Microsoft | Ex - Intel, Adobe | MBA | 5+ yrs Exp", and "Principal P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi Pune - 411 044". There is also a date and time icon showing "28th May, Saturday".

A testbook Skill Acaademy Webinar on Interview Preparation by Mrs Vartika Dixit
Testbook Skill Acaademy



P. E. Society's
Modern College of Pharmacy, Nigdi, Pune.
Academic Year 2021-22

Date: 20/04/22

Training and Placement Cell
Notice

All the students of Final. Year B.Pharm and Second Year M.Pharm are hereby instructed to attend the "Live Aptitude test" a campus Programme by Testbook Skill Academy from 24th April 2022 to 29th April 2022.

Note: Attendance is compulsory.

Dr. Ms. K. S. Shaikh
Training and Placement Cell



Dr. P. D. Chaudhari
Principal

Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Attendance Sheet: Live aptitude test (24/4/22 to 29/4/22)


| Sr. No | Participants | Sr. No | Participants |
|--------|-------------------------------|--------|------------------------------|
| 1 | Abuj Sham Bharat | 46 | Korde Ketan Tukaram |
| 2 | Anawade Geeta Anil | 47 | Lawande Prashant Sandip |
| 3 | Badke Sarnag Vilas | 48 | Madavi Sanchit Kishor |
| 4 | Bansude Tejmal Vijay | 49 | Male Vaibhavi Balaji |
| 5 | Banduke Mugdha Vikas | 50 | Mande Tanvi Sanjay |
| 6 | Bhadange Sanket Bharat | 51 | Maskare Mayuri Santosh |
| 7 | Bhure Alka Ramesh | 52 | Mate Dnyaneshwari Sandip |
| 8 | Bhongale Prasad Bharat | 53 | Mehta Harsh Harish |
| 9 | Bhabad Deepak Ramgath | 54 | Mohite Anuja Avinash |
| 10 | Bhansali Netal Rahul | 55 | Mali Shubham Prakash |
| 11 | Bhatshankar Sanket Bandu | 56 | Maske Rutuja Zumber |
| 12 | Borole Samiksha Vishnu | 57 | Nalanaglu Krishnapriya Ramu |
| 13 | Chopade Dnyaneshwari Ravindra | 58 | Netane Sampada Subhash |
| 14 | Chormale Dipali Suresh | 59 | Phapale Sanchit Prakash |
| 15 | Date Mayuresh Sitaram | 60 | Phalke Tushar Mahesh |
| 16 | Dhumal Neha Vinod | 61 | Pote Priyanka Dadabhau |
| 17 | Dhone Yogita Shivaji | 62 | Ranaware Sunita Ramdas |
| 18 | Gaikwad Akash Angad | 63 | Raut Pratiksha Laxman |
| 19 | Giri Rutuja Vitthal | 64 | Rokade Manish Subhash |
| 20 | Gohil Khushabu Bhikubhai | 65 | Rao Raksha Krishnaraj |
| 21 | Gaikwad Rutuja Udhav | 66 | Sadatpure Riddhi Purushottam |
| 22 | Gaikwad Shraddha Prakashrao | 67 | Sambre Shivam Hemant |
| 23 | Gawande Sahil Shyam | 68 | Sawkar Rutuja Nitin |
| 24 | Giri Akshay Jalindar | 69 | Sewatkar Mansi Narhari |
| 25 | Gujar Anuja Jaykumar | 70 | Shaikh Tabassum Rahim |
| 26 | Hage Vaibhav Ganesh | 71 | Shelke Ganesh Suresh |
| 27 | Hamdulay Yusra Rafiq | 72 | Shinde Shivanjali Bhau |
| 28 | Hande Maithil Dattatray | 73 | Shirsat Pranali Sanjay |
| 29 | Harne Shivani Sahadeo | 74 | Shinde Asavari Ramesh |
| 30 | Hase Akshay Popat | 75 | Shinde Namrata Narsingrao |
| 31 | Inde Vaishnavi Somshankar | 76 | Shirsath Sanket Rajendra |
| 32 | Ingole Pooja Nana | 77 | Suryawanshi Mayuri Bharat |
| 33 | Jachak Dhanashree Nitin | 78 | Shaikh Tabassum Khaju |
| 34 | Jadhav Swaroopa Sanjay | 79 | Shinde Sneha Rajendra |
| 35 | Jadhav Mayuresh Nandkumar | 80 | Satpute Suraj Bhivasan |
| 36 | Kalaskar Smitesh Narayan | 81 | Shevade Gauri Pradeep |
| 37 | Kale Rushikesh Hanmant | 82 | Taru Deepak Khandu |
| 38 | Kale Swati Uttam | 83 | Thombre Sandhya Bandu |
| 39 | Khandagale Saakshi Suresh | 84 | Tidake Yashoda Navnath |
| 40 | Khatikpatil Trupti Ramesh | 85 | Vyavahare Radhika Somnath |
| 41 | Khedekar Tejas Gulab | 86 | Wadje Vittal Laxman |
| 42 | Kalsait Omkar Harishchandra | 87 | Walunjkar Chaitanya Vikas |
| 43 | Kamble Virendrakumar Madhukar | 88 | Waghmare Pradnya Sawgram |




Principal

P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.





Progressive Education Society's
MODERN COLLEGE OF PHARMACY
Accredited by NAAC & NBA (B.Pharm. 2019 to June 2022)
'Best College Award' by Savitribai Phule Pune University



Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently affiliated to
Savitribai Phule Pune University, Pune & Approved under Section (2 (f) & 12 (B) of UGC Act, 1956

Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044. (M.S.) Tel. : 020-27661314 / 15
E-mail : mcopnigdi44@gmail.com Website : www.mcop.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. Gajanan R. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council
P.E. Society, Pune

Ref: M Cop / TL / 2022-22 / 478-1


Date: 29/04/2022


To,
Testbook Skill Academy,
Pune

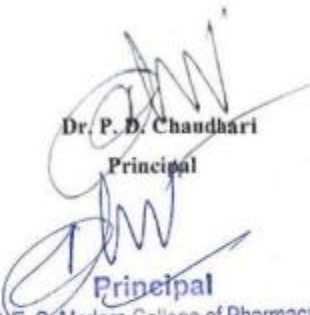
Dear Madam/ Sir,

It was a great pleasure for us to have you as an organizer for Live Aptitude test.
The test not only helped in addition of their knowledge but also will help them to excel.
We thank you for spending your valuable time with us
We look forward for more such live aptitude test and your continuous association in
future.

Thanking you,
Yours truly,


Dr. Mrs. K. S. Shaikh
Training & Placement In-charge




Dr. P. D. Chaudhari
Principal
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

STRIVING TOWARDS EXCELLENCE FOREVER



Modern College of Pharmacy's Career Path 2021-2022

An online webinar on the topic "Testbook Skill Acaademy CampusProgramme organized **Live Aptitude test**" for Final year B Pharmacy and Second year M Pharmacy students was conducted from 24th April 2022 to 29th April 2022.

Training and placement cell of Modern College of Pharmacy Nigdi conducted live Aptitude test organized by Testbook skill Acaademy Campus programme from 24th April 2022 to 29th April 2022. The session started with virtual welcome and brief introduction about the acaademy. The speaker explained about the aptitude test and has taken Quiz career. The session was helpful and ended with question and answer session. Total 89 students attended the session.

Phaith



[Signature]
Principal,
P.E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



2022-2023

**P. E. Society's
Modern College of Pharmacy, Nigdi, Pune.
Academic Year 2022-23**

Date: 18/01/23

Training and Placement Cell

Notice

All the students of Final Year B. Pharmacy and Second Year M. Pharmacy are hereby instructed to attend an online webinar on “**Digital Marketing**” by Testbook Skill Academy which has been organized on **21st January 2023**.

Time: 3:00pm to 5:00pm

Note: Attendance is compulsory. Monitoring of attendance will be done

Dr. Ms. K. S. Shaikh
Training and Placement Cell



Principal

Principal

P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.




Attendance Sheet: Digital Marketing (21/01/23)


| Sr. No | Participants | Sr.No | Participants |
|--------|-------------------------------|-------|-------------------------------|
| 1 | Agalave Shravani Pandurang | 43 | Jha Srishiti |
| 2 | Anandkar Tejas Bhimrao | 44 | Jiwani Akash Naresh |
| 3 | Akhote Ashwini Dattatray | 45 | Kalyan Akshay Devidas |
| 4 | Anawade Geeta Anil | 46 | Kamble Virendrakumar Madhukar |
| 5 | Andhale Rahul Balsaheb | 47 | Karande Patil Pushkar B. |
| 6 | Bahir Pravin Tukaram | 48 | Kharabi Gaurav Jalindar |
| 7 | Bajare Shruti Sanjay | 49 | Kondawar Pratiksha Balaji |
| 8 | Basate Tejaswini Shrimant | 50 | Kurulekar Vikas Gangadhar |
| 9 | Bembde Dnyaneshwar Rajendra | 51 | Ladkat Hrushikesh Pandurang |
| 10 | Bhakare Harshal Ashok | 52 | Magar Vaishnavi Vinayak |
| 11 | Bhale Bhagirathi Narayan | 53 | Mahajan Gaurav Arun |
| 12 | Bhalke Rameshwar Shivraj | 54 | Mahangade Aishwarya Shivaji |
| 13 | Bhurkunde Vanita Ramdas | 55 | Majgaonkar Manali Mahadev |
| 14 | Biradar Shilpa Sanjaykumar | 56 | Maske Rutuja Zumber |
| 15 | Birajdar Akshata Balaji | 57 | Pawar Saurav Dilip |
| 16 | Borbane Mayuri Shashikant | 58 | Pekamwar Mahesh Mukund |
| 17 | Chavan Dnyaneshwari Dasu | 59 | Phalke Tushar Mahesh |
| 18 | Chavan Guruprasad Satish | 60 | Pote Priyanka Dadabhau |
| 19 | Chavan Pooja Ramrao | 61 | Rajput Niranjana Gulabsing |
| 20 | Chopade Dnyaneshwari Ravindra | 62 | Rane Tajashree Satish |
| 21 | Choudhary Rohit Vaktaram | 63 | Raut Shraddha Subhash |
| 22 | Deo Akshay Nitin | 64 | Sakhare Ashish Shankarrao |
| 23 | Deokar Dipak Navnath | 65 | Shinde Ashish Hanmant |
| 24 | Deshmukh Rutuja Vitthal | 66 | Shinde Kadambari Babasaheb |
| 25 | Dhapate Ajay Jagannath | 67 | Shinde Raviraj Balasaheb |
| 26 | Dighe Shivani Appasaheb | 68 | Shinde Samarth Dattatraya |
| 27 | Dyagatwar Milind Gangadhar | 69 | Shinde Snehal Santosh |
| 28 | Gaikwad Anuj Vitthal | 70 | Shinde Utkarsha Namdevrao |
| 29 | Gaikwad Rutuja Udhav | 71 | Shinde Varsha Pandurang |
| 30 | Gaikwad Shraddha Prakashrao | 72 | Shingade Shraddha Dhanaji |
| 31 | Gaikwad Siddhant Fulchand | 73 | Shirfule Nagesh Nivruttirao |
| 32 | Gandhi Kaushal Sachin | 74 | Sonawane Harshali Vilas |
| 33 | Ganjure Kaveri Uddhav | 75 | Sonawane Niranjana Bharat |
| 34 | Garhwani Yogish Dharmdas | 76 | Sonone Vaishnavi Balkrushna |
| 35 | Gawande Sahil Shyam | 77 | Suryawanshi Pratik Balasaheb |
| 36 | Gupta Ruchika Dayashankar | 78 | Tandlekar Priyanka Pandurang |
| 37 | Hojage Sneha Navnath | 79 | Tapkir Rohit Ganesh |
| 38 | Inamdar Pranjal Prashant | 80 | Telang Akansha Gangadhar |
| 39 | Jadhav Shraddha Shivalal | 81 | Thite Mohini Laxman |
| 40 | Jagtap Harshal Sanjay | 82 | Tidake Yashoda Navnath |
| 41 | Jaiswal Jayesh Ravindra | 83 | Wabale Apurva Nitin |
| 42 | Jangam Vaishnavi Santosh | 84 | Wankhade Shefali Dineshrao |



Principal
P. E. S. Modern College of Pharmacy
Sector No. 21, Yashwanagar, Nigdi,
Pune - 411 044.



 **Progressive Education Society's**
MODERN COLLEGE OF PHARMACY
Accredited by NAAC & NBA (B.Pharm. 2019 to June 2022)
'Best College Award' by Savitribai Phule Pune University



Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently affiliated to
Savitribai Phule Pune University, Pune & Approved under Section (2 (f) & 12 (B) of UGC Act, 1956

Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044. (M.S.) Tel. : 020-27661314 / 15
E-mail : mcopnigdi44@gmail.com Website : www.mcop.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. Gajanan R. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council
P.E. Society, Pune

Ref: MCOP/TL/2022-2023/258-1

Date: 21/01/2022

To,
Ms. Krishni Miglani,
Testbook Skill Academy,
Pune


Dear Madam,


It was a great pleasure for us to have you as a resource person for guest lecture on the topic **Digital marketing**. The interaction that the students had with you has really boosted their morale and it will surely help them to excel.

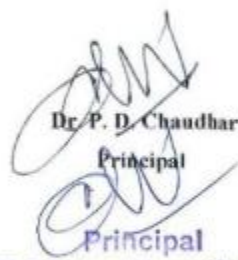
We are highly obliged as you spent your valuable time and shared the digital marketing strategies.


We look forward for your continuous association in future.

Thanking you,
Yours truly,


Dr. K. S. Shaikh
Training & Placement In-charge




Dr. P. D. Chaudhari
Principal
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Modern College of Pharmacy's Career Path 2022-2023

An online webinar on the topic "Digital Marketing" by Ms. Krishni Miglani A testbook Skill academy for final year B Pharmacy and second year M Pharmacy was conducted on 21st January 2023.

Training and placement cell of PES, Modern College of Pharmacy, Nigdi organized Online session for Final Year B. Pharm and Second Year M. Pharm. She explained about the benefits and strategies of digital marketing. She also gave information about Content, Email, Social media and mobile marketing. At the end of the session students had interaction with Ms Krishni Miglani. The session was very informative and helpful for the students. Total 84 students attended the session.

The poster is for a Skill Academy Masterclass titled "Digital Marketing". It features a central photo of the speaker, Krishni Miglani, a Marketing Manager at Amazon with 9+ years of experience. The agenda includes topics on career paths, digital marketing tools, and salary expectations for freshers. The session is scheduled for 21st January, Saturday, from 3:00 PM to 5:00 PM.

Skill academy CAMPUS PROGRAM **Masterclass**

Bootcamp on

Digital Marketing

Speaker

Krishni Miglani
Marketing Manager,
Amazon | Ex- Cash Kara |
MICA Alum 9+ Years Exp

Agenda

- Career Path as a Digital Marketer
- Tools used for Digital Marketing
- Salary expectations for Freshers

21st January, Saturday
3:00 PM to 5:00 PM

A testbook Skill Academy Webinar on Digital Marketing by Ms Krishni

Training and Placement Cell
Dr. K. S. Shaikh



Principal
Dr. P. D. Chaudhari

Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044



P. E. Society's
Modern College of Pharmacy, Nigdi, Pune.
Academic Year 2022-23

Date: 14/09/22

Training and Placement Cell

Notice

All the students of Final Year B. Pharmacy and Second Year M. Pharmacy are hereby instructed to attend an online webinar on **"How to crack a Dream job being a Non-ITian"** by Testbook Skill Academy which has been organized on **17th September 2022.**

Time: 3:00pm to 4:30pm

Note: Attendance is compulsory. Monitoring of attendance will be done



Dr. Ms. K. S. Shaikh
Training and Placement Cell



Dr. P. D. Chaudhari
Principal
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.




Attendance Sheet: How to crack a dream job being a Non-Iitian (17/09/2022)


| Sr. No | Participants | Sr.No | Participants |
|--------|----------------------------------|-------|------------------------------|
| 1 | Anandkar Tejas Bhimrao | 34 | More Geetanjali Pandurang |
| 2 | Andhale Rahul Balsaheb | 35 | More Vaishnavi Suresh |
| 3 | Babhulkar Rasika Prakash | 36 | Nagalapur Pooja Prabhu |
| 4 | Badhe Prathamesh Babanrao | 37 | Naik Shreenidhi Gurudas |
| 5 | Bahir Pravin Tukaram | 38 | Nengule Sonali Pandurang |
| 6 | Bajare Shruti Sanjay | 39 | Pathan Adil Mukhtar |
| 7 | Banakar Truptee Hiralal | 40 | Patil Akanksha Vijay |
| 8 | Barde Neha Amol | 41 | Patil Aparna |
| 9 | Basate Tejaswini Shrimant | 42 | Patil Devshree Kiran |
| 10 | Bembde Dnyaneshwar Rajendra | 43 | Patil Prerna Manohar |
| 11 | Bhakare Harshal Ashok | 44 | Patil Rutuja Ganpat |
| 12 | Bhale Bhagirathi Narayan | 45 | Patil Tanuja Ravindra |
| 13 | Choudhary Rohit Vaktaram | 46 | Pawar Pratham Umesh |
| 14 | Deo Akshay Nitin | 47 | Pawar Pratiksha Mahadev |
| 15 | Deokar Dipak Navnath | 48 | Pawar Rutwik Chandrakant |
| 16 | Deshmukh Rutuja Vitthal | 49 | Pawar Sandesh Bhausaheb |
| 17 | Dhapate Ajay Jagannath | 50 | Phand Srushti Samir |
| 18 | Gaikwad Smita | 51 | Phasale Shivam Sunil |
| 19 | Goradwar Vimaji Vitthalrao | 52 | Saini Ajit Vishwanath |
| 20 | Gupta Ruchika Dayashankar | 53 | Sarode Vishal Shripati |
| 21 | Hojage Sneha Navnath | 54 | Sathe Prajakta Vikas |
| 22 | Inamdar Pranjal Prashant | 55 | Shaikh Fiza Vahed |
| 23 | Jadhav Shradha Shivali | 56 | Shaikh Mohammad Sameer Rafik |
| 24 | Karande Patil Pushkar B. | 57 | Shinde Prajwal Arun |
| 25 | Kharabi Gaurav Jalindar | 58 | Shinde Sayali Raju |
| 26 | Kulkarni Sarvesh Dilip | 59 | Shinde Vijay Uttam |
| 27 | Kulkarni Vinayakashish Pradiprao | 60 | Shirke Riya Shivaji |
| 28 | Kudale Yash Dattatray | 61 | Sonawane Shreya Tukaram |
| 29 | Kusekar Pranjal Dattatray | 62 | Tikate Sharadha Shivaji |
| 30 | Landge Shrushti Ananda | 63 | Vernekar Purva Vighneshwar |
| 31 | Lokhande Vaishnavi Sunil | 64 | Yalsangi Arpita Vitthal |
| 32 | Makey Omkar Dattatray | 65 | Zanwar Mansi Navalkishor |
| 33 | Mali Vaibhav Shivaji | | |




Principal
P. E. S. Modern College of Pharmacy
Sector No. 21, Yamenanagar, Nigdi,
Pune - 411 044.



 **Progressive Education Society's**
MODERN COLLEGE OF PHARMACY
Accredited by NAAC & NBA (B.Pharm. 2019 to June 2022)
'Best College Award' by Savitribai Phule Pune University

 Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently affiliated to
Savitribai Phule Pune University, Pune & Approved under Section (2 (f) & 12 (B) of UGC Act, 1956

Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044. (M.S.) Tel. : 020-27661314 / 15
E-mail : mcpnigdi44@gmail.com Website : www.mcop.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. Gajanan R. Ekbote
M.S., M.N.A.M.S.,
Chairman, Business Council
P.E. Society, Pune

Ref: MCOP/TL/2022-2023/96 Date: 17/9/2022

To,
Mr. Sourabh Kabra,
Assistant Vice President,
Testbook Skill Academy,
Pune

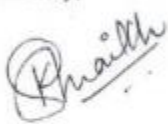
Dear Sir,


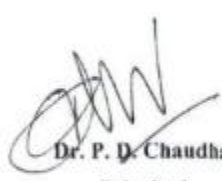
It was a great pleasure for us to have you as a resource person for guest lecture on the topic **How to crack a dream job being a Non-ITian**. The interaction that the students had with you has really boosted their morale and it will surely help them to excel.

We are highly obliged as you spent your valuable time and shared the skills to crack a dream job.

We look forward for your continuous association in future.

Thanking you,
Yours truly,


Dr. K. S. Shalkh
Training & Placement In-charge



Dr. P. D. Chaudhari
Principal
Principal
P.E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044

*Received
17/9/22*

STOPPING TOWARDS EXCELLENCE

Modern College of Pharmacy's Career Path 2022-2023

An online webinar on the topic "How to crack a Dream Job being a Non-IITian" by Mr. Sourabh Kabra A testbook Skill academy for final year B Pharmacy and second year M Pharmacy was conducted on 17th September 2022.

Training and placement cell of PES, Modern College of Pharmacy, Nigdi organized Online session for Final Year B. Pharm and Second Year M. Pharm. He explained about how one can crack a dream job being non-Iitian and various topics were discussed which not only prepared for the interview but also cleared various doubts related to interview and how important communication skills are. At the end of the session students had interaction with Mr Sourabh Kabra and guided about their queries. The session was very informative and helpful for the students for cracking a dream job. Total 65 students attended the session.



A testbook Skill Academy Webinar on How to crack a Dream Job being a Non-Iitian by Mr Sourabh Kabra

Training and Placement Cell
Dr. K. S. Shaikh



Principal
Dr. P. D. Chaudhari

Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



P. E. Society's
Modern College of Pharmacy, Nigdi, Pune.
Academic Year 2022-23

Date: 21/12/22

Training and Placement Cell

Notice

All the students of Final Year B. Pharmacy and Second Year M. Pharmacy are hereby instructed to attend an online webinar on “ **Personality Development**” by Testbook Skill Academy which has been organized on **24th December 2022**.

Time: 3:00pm to 5:00pm

Note: Attendance is compulsory. Monitoring of attendance will be done



Dr. Ms. K. S. Shaikh
Training and Placement Cell



Dr. P. D. Chaudhari
Principal



Principal
P. E. S. Modern College of Pharmacy
Sector No. 21, Yamunanagar, Nigdi,
Pune - 411 044.




Attendance Sheet: Personality development (24/12/22)


| Sr. No | Participants | Sr.No | Participants |
|--------|-----------------------------|-------|------------------------------|
| 1 | Agarkar Samiksha Surendra | 43 | Patange Ajay Prakash |
| 2 | Amritkar Akanksha Praveen | 44 | Patil Animesh Ramkrushna |
| 3 | Auti Mayuri Kashinath | 45 | Patil Harshal Rajesh |
| 4 | Bhand Nitin Machhindra | 46 | Pawar Nikita Ganpat |
| 5 | Biradar Alfiya Mahibub | 47 | Pawar Sadhana Sandeep |
| 6 | Borude Snehal Tukaram | 48 | Rane Tajashree Satish |
| 7 | Chonde Aditya Devendra | 49 | Rashinkar Sneha Nandkumar |
| 8 | Daphale Namrata Jaywant | 50 | Rathod Monika Vasant |
| 9 | Desai Ganesh Shivanand | 51 | Raut Shraddha Subhash |
| 10 | Deshpande Shubham Sharad | 52 | Sabale Sonal Dattatraya |
| 11 | Deulkar Anushri Ashok | 53 | Salgar Pooja Bharat |
| 12 | Dhamankar Divya Madhukar | 54 | Satkar Tanmay Rajendra |
| 13 | Dishware Harshal Durgadas | 55 | Sawant Pooja Nana |
| 14 | Gadhare Trupti Bhausaheb | 56 | Shaikh Fiza Vahed |
| 15 | Gaikwad Anjali Sunil | 57 | Shegokar Neha Prabhakar |
| 16 | Gambhire Rahul Ramdas | 58 | Shete Priya Kisan |
| 17 | Gangurde Madhuri Ashok | 59 | Shete Shivhar Baswraj |
| 18 | Ghotekar Kalyani Shantaram | 60 | Shinde Ashish Hanmant |
| 19 | Godbharle Amrut Namdev | 61 | Shinde Damini Pradeep |
| 20 | Hake Pallavi Sudhakar | 62 | Shinde Shubhangi Navnath |
| 21 | Halne Krishna Gangadhar | 63 | Shingade Shraddha Dhanaji |
| 22 | Ingle Samruddhi Ganesh | 64 | Shirfule Nagesh Nivruttirao |
| 23 | Jadhav Mohini Bharat | 65 | Shirsath Sanket Rajendra |
| 24 | Jadhav Sneha Satish | 66 | Sonawane Harshal Vilas |
| 25 | Jagdale Gayatri Bhagwan | 67 | Sonawane Niranjan Bharat |
| 26 | Jagtap Kedar Abhay | 68 | Sonawane Rutuja Satish |
| 27 | Jagtap Prajakta Bajrang | 69 | Sonawanesakshi Rajendra |
| 28 | Kamble Anuradha Kaka | 70 | Sonone Vaishnavi Balkrushna |
| 29 | Kasture Snehal Hanamant | 71 | Surwase Onkar Vishnu |
| 30 | Kharate Vrushali Dattatraya | 72 | Suryawanshi Mayuri Bharat |
| 31 | Khorde Rushikesh Vikram | 73 | Tarate Swapnil Suresh |
| 32 | Madar Pratiksha | 74 | Thete Dipali Sanjay |
| 33 | Magar Vaishnavi Sanjay | 75 | Tupe Samadhan Kisan |
| 34 | Mahajan Gaurav Arun | 76 | Ukirde Deven Nilesh |
| 35 | Mahangade Aishwarya Shivaji | 77 | Vanve Shubham Balu |
| 36 | Makey Omkar Dattatray | 78 | Wadgave Pooja Bandappa |
| 37 | More Abhijeet Prabhakar | 79 | Waghmare Shivshankar Ramrao |
| 38 | More Geetanjali Pandurang | 80 | Waghmare Shrinath Shantinath |
| 39 | Nagure Abhishek Namdev | 81 | Waghmode Harshita Shankar |
| 40 | Nale Prathmesh Ashok | 82 | Wakale Akash Vyankati |
| 41 | Navghare Pavan Baburao | 83 | Wasule Anjali Raju |
| 42 | Nikalje Rushikesh Nitin | 84 | Zarekar Renuka Gangadhar |



Principal
P.E. S. Modern College of Pharmacy
Sector No. 2, L. Yamunanagar, Nigdi,
Pune - 411 044.



 **Progressive Education Society's**
MODERN COLLEGE OF PHARMACY
Accredited by NAAC & NBA (B.Pharm. 2019 to June 2022)
'Best College Award' by Savitribai Phule Pune University



Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently affiliated to
Savitribai Phule Pune University, Pune & Approved under Section (2 (f) & 12 (B) of UGC Act, 1956

Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044. (M.S.) Tel. : 020-27661314 / 15
E-mail : mcoptnigdi44@gmail.com Website : www.mcop.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. Gajanan R. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council
P.E. Society, Pune

Ref: MCOP/TL/2022-2023/215-1

Date: 24/12/2022

To,
Ms. Mahima Sindhi,
Testbook Skill Academy,
Pune


Dear Madam,


It was a great pleasure for us to have you as a resource person for guest lecture on the topic **Personality Development**. The interaction that the students had with you has really boosted their morale and it will surely help them to excel.


We are highly obliged as you spent your valuable time and shared the personality development skills.


We look forward for your continuous association in future.

Thanking you,
Yours truly,


Dr. K. S. Shaikh
Training & Placement In-charge




Dr. P. D. Chaudhari
Principal
Principal
P.E.S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.


Dr. K. S. Shaikh
24/12/2022

STRIVING TOWARDS EXCELLENCE

Modern College of Pharmacy's Career Path 2022-2023

An online webinar on the topic " Personality Development" by Ms. Mahima Sindhi A testbook Skill academy for final year B Pharmacy and second year M Pharmacy was conducted on 24th December 2022.

Training and placement cell of PES, Modern College of Pharmacy, Nigdi organized Online session for Final Year B. Pharm and Second Year M. Pharm. She explained about how personality plays an important role not only for cracking interview but also at work place. She discussed and cleared doubts about body language, Grooming, Clothing and Etiquette and how important communication skills are. At the end of the session students had interaction with Ms. Mahima Sindhi and guided about their queries. The session was very informative and helpful for the students in developing their personality. Total 84 students attended the session.

The poster is for a Skill Academy Campus Program Masterclass titled "Personality Development". It features a central photo of the speaker, Mahima Sindhi, a professional edupreneur and skills sculptor. The agenda includes topics on the role of personality in the professional world, tips to enhance personality, and portfolio building. The session is scheduled for Saturday, 24th December, from 3:00 PM to 5:00 PM.

A testbook Skill Academy Webinar on Personality Development by Ms

Mahima Sindhi

Training and Placement Cell
Dr. K. S. Shaikh



Principal

Dr. P. D. Chaudhari

Principal

P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044




MOU with Pursullence GBS LLP, Pune

Summary of activities under MOU

| Sr no | Academic Year | Name of Activity | No of beneficiaries | Start Date | End Date |
|-------|---------------------------|-----------------------|---------------------|------------|------------|
| 1 | 2022-2023 | Value Addition Course | 190 | 11/02/2023 | 19/03/2023 |



 **Progressive Education Society's**
MODERN COLLEGE OF PHARMACY
Accredited by NAAC & NBA
DST FIST Funded College
'Best College Award' by Savitribai Phule Pune University

Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently affiliated to
Savitribai Phule Pune University, Pune & Approved under Section 2 (f) & 12 (B) of UGC Act, 1956

Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044. (M.S.) Tel. : 020-27661314 / 15
E-mail : mcpnigdi44@gmail.com Website : www.mcop.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. Gajanan R. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council
P.E.Society, Pune

Ref : _____ Date : 25/11/2021


Memorandum of Understanding

This Memorandum of Understanding is made at Pune on 25/11/ 2021

BETWEEN

Progressive Education Society's Modern College of Pharmacy, Sector-21, Yamunanagar, Nigdi, Pune-44 (College of Pharmacy permanently affiliated to Savitribai Phule Pune university, Pune established under the roof of Progressive Education Society, Pune is a premier institution, represents a rich tradition of excellence in health and technology-based education. The college is approved by University Grants Commission, New Delhi under Section 2(f) and 12(B) of the UGC Act, 1956. The college is previously accredited by NAAC Bangalore and presently accredited by National Board of Accreditation, New Delhi and also awarded as Best Professional College by Savitribai Phule Pune University. The college is recognized as a Ph.D. research Centre for Pharmaceutics, Pharmacology and Pharmaceutical Chemistry by the University of Pune. The college is ranked 41 in 2017-18, secured rank in 76-100 band in 2018-19 and 74 in 2019-20 in NIRF National Ranking for institutions by MHRD, Govt. of India in pharmacy category.

The college has state-of-the-art infrastructure for study and research in Pharmaceutical and life sciences. The faculty of the college is competent, qualified, devoted and with an innate passion for carrying our research with relevance to current and contemporary needs. The college has well-furnished library which is enriched with Chemical Abstracts (1907-1986), e-library, language laboratory, and has subscribed to more than 3900 e-journals. The college has also subscribed to various national programs such as, National Program on Technology, Enhanced Learning (NPTEL) and National Library and Information Services Infrastructure for Scholarship (NALIST) at INFLIBNET. The college has well



STRIVING TOWARDS EXCELLENCE FOREVER

Principal
Principal
Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044

Scanned by TapScanner



Memorandum of Understanding


This Memorandum of Understanding is made at Pune on 25/11/ 2021

BETWEEN

Progressive Education Society's Modern College of Pharmacy, Sector-21, Yamunanagar, Nigdi, Pune-44 (College of Pharmacy permanently affiliated to Savitribai Phule Pune university, Pune established under the roof of Progressive Education Society, Pune is a premier institution, represents a rich tradition of excellence in health and technology-based education. The college is approved by University Grants Commission, New Delhi under Section 2(f) and 12(B) of the UGC Act, 1956. The college is previously accredited by NAAC Bangalore and presently accredited by National Board of Accreditation, New Delhi and also awarded as Best Professional College by Savitribai Phule Pune University. The college is recognized as a Ph.D. research Centre for Pharmaceutics, Pharmacology and Pharmaceutical Chemistry by the University of Pune. The college is ranked 41 in 2017-18, secured rank in 76-100 band in 2018-19 and 74 in 2019-20 in NIRF National Ranking for institutions by MHRD, Govt. of India in pharmacy category.

The college has state-of-the-art infrastructure for study and research in Pharmaceutical and life sciences. The faculty of the college is competent, qualified, devoted and with an innate passion for carrying out research with relevance to current and contemporary needs. The college has well-furnished library which is enriched with Chemical Abstracts (1907-1986), e-library, language laboratory, and has subscribed to more than 3900 e-journals. The college has also subscribed to various national programs such as, National Program on Technology Enhanced Learning (NPTEL) and National Library and Information Services Infrastructure for Scholarly Content (NLIST) at INFLIBNET. The college has well




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,

Scanned by TapScanner



First Part,

AND

PURSULLENCE GBS LLP Program, a training and consulting partner having its registered office at 739, Somwar Peth, Talegaon Dabhade, Pune 410506, hereinafter referred to as "PURSULLENCE GBS LLP" (which expression shall, unless it be repugnant to the subject or context thereof, include its successors and permitted assigns) of the Second Part

WHEREAS:

1. Progressive Education Society's Modern College of Pharmacy, Sector-21, Yamunanagar, Nigdi, Pune-44 is an Educational institution permanently affiliated to Savitribai Phule Pune university, Pune
2. Pursullence GBS LLP program is engaged in the field of education & employability domain that provides training and consultation to students, working professionals and corporates in affordable cost structure.
3. The "college" is willing to enter into a Memorandum of Understanding (MOU) with Pursullence GBS LLP for the skills enhancement training program through the technology platform or other face to face initiatives.

NOW IT IS HEREBY AGREED BY AND BETWEEN THE PARTIES HERETO AS UNDER:

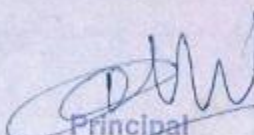
1. Objective:

The objective of this MOU is to enable students, Alumni and working professionals of the college access to resources that would enhance their employability & career prospects.

2. Period of MOU:

This MOU shall come into force and effect from the date of execution and shall remain valid for a period of 5 years from such date after which the same may be reviewed by either party. However, if the same is not renewed this arrangement will be deemed terminated on the expiry of the said duration period.




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

Scanned by TapScanner




3. Roles & Responsibilities of the College:

- a. The College shall be responsible to establish a national level 'CENTER FOR PHARMACEUTICAL EXCELLENCE & ANALYTICS' in association with Team PURSULLENCE GBS LLP Program for training & consultation services in the area of pharmaceutical business excellence and analytics for students, alumni, working professionals, Healthcare corporates also includes-SMEs and Start-ups across country .
- b. The College shall be responsible to nominate one person with adequate accountability and responsibility to coordinate the engagement. The person so appointed would act as the single point of contact (SPOC) for the proposed initiative.
- c. The College shall share in their letterhead the details of the students who will attend the aforesaid training program with PURSULLENCE GBS LLP like name, email ID, contact details, Name of the Company in which Candidate is placed(current Company), qualification (along with the year of completion/pursuing) and other documents as per PURSULLENCE GBS LLP training requirements.
- d. The College shall provide support for establishing network, reaching out to potential prospective students across healthcare/ Pharma colleges, alumni, working professionals, corporates etc.) and ensure that proper publicity & promotion of the Program is made through College website and through adequate platforms.
- e. To encourage the Students, alumni, working professionals & corporates to register for the Program by informing them about the benefits of the program.
- f. To provide all the support services and facilities to PURSULLENCE GBS LLP during the conduct of the said Training & Consultation Program.
- g. To provide the placement details of the students who have undergone the aforesaid training.

4. Roles & Responsibilities of PURSULLENCE GBS LLP:

- a. PURSULLENCE GBS LLP shall be responsible to provide access to employability enhancement related activities through blended learning model that includes 'training & mentoring' at suitable schedules, simulated projects, tests & assessments, certifications,




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044

Scanned by TapScanner



consultations, limited access to Business optimisation tool for deployment etc. under agreed terms with prospects.

- b. PURSULLENCE GBS LLP will facilitate placement of students with their client/ customer companies in suitable positions and also recruit for any of their own requirements.
- c. PURSULLENCE GBS LLP will assist college in facilitating promotional activities like conducting planned introductory / ice breaking sessions with prospects, developing content of marketing collaterals and will also promote the services of center across its network.

5. Other Terms & Conditions:

Following are the other terms and conditions of MOU:

- a. The students enrolled should complete the training as scheduled.
- b. Program Coordinator to be appointed by college.
- c. TPO's active support and participation is required for smooth & efficient conduct of the program.
- d. The College shall not write/publish any material or use any logos/names of PURSULLENCE GBS LLP/ in any of the publications without prior written consent and approval from PURSULLENCE GBS LLP.

6. Commercial:

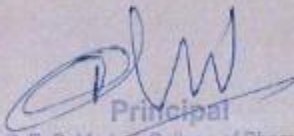
Center should strive for **monetization** of its services and both parties in agreement shall demonstrate requisite efforts to commercialize and monetize the services. Commercial i.e. revenue share shall be shared in proportion of 50% (Pursullence GBS LLP Program) 50% (College) for their services contributed in establishment of center and execution of its services. Commercial Agreement shall be subject to null and void, if any party is unable to fulfill agreed roles and responsibilities.

7. Certification:

Certificates shall be awarded jointly by PURSULLENCE GBS LLP in association with college to the participants on successful completion of the training and clearing of the assessment held post completion of the training program.

8. Limitations and Warranties :




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

Scanned by TapScanner



Both parties agree that it would be their endeavor to prevent any liability arising out of default or non-compliance of the MOU terms by the other party.

9. Termination:

- a. Both parties can terminate the MOU with a prior written thirty (30) day notice on default of terms or non-adherence to any condition or responsibilities by the other party as outlined in this MOU in case such default is not rectified within such 30 days.
- b. Both parties also agree that it would be their professional endeavour that despite any termination of the MOU, progress would continue, without any prejudice to the ongoing Training Programs, which would be without any hindrance and would be progressed for completion.

10. Entirety & Amendment:

This MOU contains the entire understanding between the Parties in relation to the Training Program. If during the operation of the MOU, circumstances may rise which call for alteration / modification to this MOU, such alteration / modification shall be mutually discussed and agreed upon in writing. Such changes will be formalized in writing as an 'Addendum' to this MOU. Any changes/amendments to this MOU not in conformance to this section shall be deemed to be void-ab-initio.

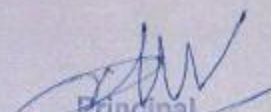
11. Intellectual Proprietary Rights:

All intellectual or proprietary property and information, supplied or developed by either Party shall be and remain the sole and exclusive property of the Party who supplied or developed same. Upon termination of this MOU and upon written request, the Party in receipt of the requesting Party's intellectual or proprietary property and/or information pursuant to this MOU shall return such information to the requesting Party.

12. Confidential Information:

- a. Both parties undertake to each other to keep confidential all information (written or oral) concerning the business and affairs of the other, which has been obtained or received during the course(s) of performance hereunder, save that which is inconsequential or obvious:




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

Scanned by TapScanner

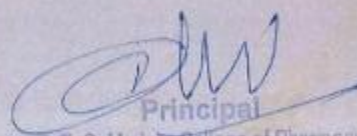


- b. Already in its possession other than as a result of a breach of this clause; or in the hands of the public other than as a result of a breach of this clause.
- c. In the event of any of the parties becoming legally compelled to disclose any confidential information, such party shall give sufficient notice to the other party so as to enable the other party to seek a timely protective order or any other appropriate relief. If such an order or other relief cannot be obtained, the party being required to make such a disclosure shall make the disclosure of the Confidential Information only to the extent that is legally required of it and no further.
- d. The College agrees not to deal directly or entering to any agreement with any clients of PURSULLENCE GBS LLP and with any competitor of Pursullence GBS LLP program that provides similar services and also refrain from delivering similar services with in-house resources without consent of Pursullence GBS LLP program for duration of agreement validation (i.e. 2 yrs.), should not share any information with them related to the services during the term of the agreement and also after the agreement have been terminated, not earlier than two years from the date of termination.

13. Force Majeure:

- a. Neither party to this MOU shall be liable for any failure or delay on its part in performing any of its obligations under this MOU, if such failure or delay shall be result of or arising out of Force Majeure conditions and, provided that the party claiming Force Majeure shall use its best efforts to avoid or remove such cause of non-performance and shall fulfil and continue performance hereunder with the utmost dispatch whenever and to the extent such cause or causes are removed.
- b. Any extraordinary event, which cannot be controlled by the parties, shall for the purpose of this MOU be considered as a Force Majeure event. Such events include acts of God, acts or omissions of any Government or agency thereof, compliance with rules, regulations or order of any Government Authority. Provided however, if either party claims that existence of any of the aforesaid conditions is delaying or disabling the performance by said party of its obligations under this MOU, such party shall give immediate notice to the other party of the existence of such conditions whose existence are claimed to delay or disable the performance of obligations as aforesaid.




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

Scanned by TapScanner



14. Non-Solicitation:

The College agrees that during the term of this Agreement and for a period of two (2) years after the termination or expiry thereof, it shall not, directly or indirectly, employ, contract, solicit, hire or otherwise utilize the services of an existing employee of PURSULLENCE GBS LLP

15. Jurisdiction and Arbitration:

a. In the event of any dispute or difference between the Parties hereto, the courts in Pune alone shall have exclusive jurisdiction to try any matter arising between the Parties here-to and accordingly both the Parties shall submit to the exclusive jurisdiction of courts in Pune, Maharashtra.

b. Any dispute arising out of, in relation to or in respect to this MOU shall be settled through mutual consultation and agreement, by the Parties to this MOU. In case a settlement is not arrived at within fifteen (15) days of reference, the dispute/s shall be referred to a sole arbitrator to be appointed in accordance to the Arbitration and Conciliation Act, 1996 as amended from time to time. The place of arbitration shall be Pune, India.

IN WITNESS WHEREOF, the Parties hereto have duly executed this Agreement as on the day, month and year first hereinabove written

For Modern College of Pharmacy Nigdi Pune

(Authorized Signatory)

Name: Dr.P.D.Chaudhari
Designation: Principal

Place: Pune
Date: 25/11/2021

Stamp:



For PURSULLENCE GBS LLP

(Authorized Signatory)

Name: Santosh Dnyaneshwar Awasarkar
Designation: Chief Mentor, Pursullence
GBS LLP Program

Place: Pune
Date: 25/11/2021

Stamp:

Principal
P. G. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

Scanned by TapScanner



Progressive Education Society's
MODERN COLLEGE OF PHARMACY

Accredited by NAAC & NBA
DST FIST Funded College

'Best College Award' by Savitribai Phule Pune University

Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently affiliated to
Savitribai Phule Pune University, Pune & Approved under Section (2 f) & 12 (B) of UGC Act, 1956

Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044. (M.S.) Tel. : 020-27661314 / 15

E-mail : mcpnigdi44@gmail.com Website : www.mcop.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. Gajanan R. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council
P.E. Society, Pune

Ref :

Date : 06/06/23

Summary of Activity done under MOU Year wise

Name of concerned Organization: Pursuence GBS LLP, Pune.

Date of MOU: 25/11/2021 to 24/11/2026

Validity Period of MOU: 05 Years

| Sr no | Academic Year | Name of Activity | No of beneficiaries | Start Date | End Date |
|-------|---------------|-----------------------|---------------------|------------|------------|
| 1 | 2022-2023 | Value Addition Course | 190 | 11/02/2023 | 19/03/2023 |

Dr. Pravin D. Chaudhari
Principal and Professor



MoU Incharge
Persuence GBS LLP, Pune

STRIVING TOWARDS EXCELLENCE FOREVER



2022-2023

BROUCHER

LEAN SIX SIGMA GREEN BELT For QBD

Pharmaceutical Quality Assurance Department of PES's Modern College of Pharmacy, Nigdi, India in association with Mr. Santosh D. Awasarkar, Lean Six Sigma MBB, CEO-Founder @ Breath Apex IFP, India, under Center For Pharma Business Excellence (CPBE) introduces-

CSSC, USA Accredited

LEAN SIX SIGMA GREEN BELT For QBD

Lean Six Sigma For Quality by Design (QBD) principles have been adopted by the USFDA for the discovery, development, and manufacture of drugs. Infact, global regulatory bodies- USFDA, EMEA made it mandatory for drug manufacturers to implement QBD Compliances into their new drug applications. ICH Guidelines-Q8, Q9, Q10 emphasizes QBD implementations. QBD principles in regulatory submissions ensures less hassle during review, fewer deficiencies leading to quicker approvals, fewer manufacturing problems, reduced number of post-market manufacturing supplements. QBD enhances ability to implement new technology that improves manufacturing without regulatory scrutiny. Set of expertise of Lean Six Sigma (DFSS-DMA, DV, DOE, SPC in Qbd) will create a synergy to deploy a structured statistical approach in designing & developing quality product. Hence, every global & Indian Pharma/ Biotech company need experts who can advise & deploy these high in demand skillsets.

PES's Modern College of Pharmacy, Nigdi, India in association with Mr. Santosh D. Awasarkar, Lean Six Sigma MBB, CEO-Founder @ Breath Apex IFP, India, under Center For Pharma Business Excellence (CPBE) introduces-

CSSC, USA Accredited

LEAN SIX SIGMA GREEN BELT For QBD

(For Global Pharma-Biotech Industry / IT- Healthcare Aspirants & Foreign Studies Aspirants)

Center For Pharma Business Excellence Patron :

Dr. Pravin D. Chaudhari,


Principal, PES's Modern College Of Pharmacy, Pune.

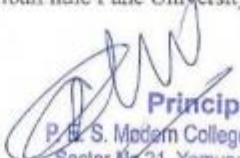
Former President (Central) Association of Pharmaceutical Teachers of India (2016-till date).

Former Co Chairman, L.O.C., 69TH IPC 2017

Former Dean, Faculty of Pharmaceutical Sciences, Savitribai Phule Pune University (2011-2015)

Chairman, Research & Recognition Committee, Savitribai Phule Pune University (2011-2015).





Principal
P.E.S. Modern College of Pharmacy
Sector No. 21, Yamunanagar, Nigdi,
Pune - 411 044.



Former member senate, Academic council, BOE, Standing Committee, Savitribai Phule Pune University

Program Salient Features:

- a.) USA accredited Training & Certification Program with Breath Apex IFP's Copyrighted DOE & Statistical Analytics Tools based Physical Simulated Project (Learn By Actually Doing It!)
- b.) Online / Classroom Training for 6 Weekends (1.5 Hrs / Sat & Sun) + 3 Capstone/ Practice Projects, For 30 Hrs. Equivalent to 2 Credit Hrs.
- c.) Program Fees (For Corporates / Businesses): Rs. 15000 /- ;
- d.) Under "Skill For All" Initiative For Students @ Donation Of: Rs. 1000/- (In India); Rs. 5500 / USD 75 (For Rest Of World).
- e.) Eligibility : 3rd / Final Yr B. Pharm, 1st /2nd Yr. M. Pharm, BSc /MSc (Biotech / Chemistry / Micro Biology), BE, ME (Chem/Prod/Ind.Engg.), BBA/MBA- Pharma/Biotech.

Program Course Modules:

Module 1. What is QBD, Principles of ICH Q8 CR2), (ICH Q9), (ICH Q10)

Module 2. Definition of QTPP, CQAs, CPPs, CMAs.

Module 3. Importance & History of Quality by Design (QbD) & Lean Six Sigma.

4. DMADV (Define, Measure, Analyze, Design, Verify) vs. DMAIC (Design, Measure, Analyze, Implement & Control);

Module 5. Determining Critical Quality Attributes (CQAs) based on Product Quality, Patient Safety & Efficacy.

Module 6. VOC Drill down, Critical-to- quality or Critical-to- safety, Critical-to- efficacy, Critical-to- delivery, Critical-to- cost), VOP, SIPOC, High Level Process Mapping & Fishbone Diagram.

Module 7. Risk Analysis With Failure Modes Effects Analysis (FMEA) & Pareto Analysis, Process Lever Diagnostics Design.

Module 8. Project Charter, Problem Statement & Goal Statement, Project Scoping, Est. Project Benefit / Project QNS, Developing Performance Standard Documents. Project Communication: RACI Model (Responsible, Accountable, Consulted & Informed)

Module 9. FMEA, CI Matrix Driven Prioritization Of Critical Material Attributes (CMAs) & Critical Process Parameters (CPPs) With respect to CQAs.

Module 10. Principles, History & Types of DOE Designs, Full Factorial Design, Randomization, Replication, Repetition.




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Module11. Develop DoE Design Space, Deployment & Measurement of Responses(s), Development of regression model to Verify Design Space.

Module12. Hypothesis testing, p value, Alpha value, Regression Coefficient, R Square Analysis, DOE Descriptive analysis: Pareto Plot, Main Effect Plot, Interaction Effect Plot & Cube Plots. Statistical Inferential Analysis: Analysis of Model Variance.

Module13. CMAs / CPPs Optimization With Respect To CQAs.

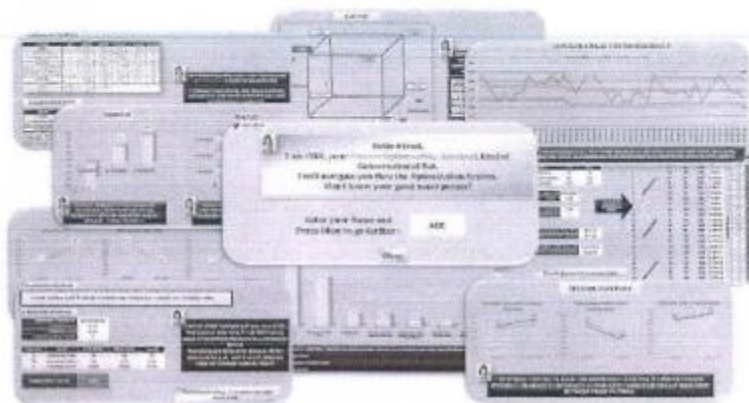
Module14. Process Improvement Statistical Validation With 2 Proportion Test.

Module15. Determination Of Process Capability: Measurement Of Process Performance Indices- DPMO, DPU, DPO, SIGMA (LT & ST). Prediction Of Process Capability.

Module16. Process Design Scale Up & Development Of Control Plan:- Monitoring Plan & Response Plan For CMAs, CPPs, & CQAs.

Module17. Statistical Process Control: - Control Charts, Combined Control Charts, Selection & Application Of Attribute Control Charts: Control Charts (p chart, nP chart)

Module18. Process Control Validation & Determination of Process Capability.



Program Mentor:

Mr. Santosh D. Awasarkar, LSSMBB, LSSBB, PMP,

MBA, B.Pharm, QBD-DOE Practitioner, PhD. Drop Out, University Of Wisconsin Madison, USA.

Sr. Consultant, TNS Pvt. Ltd, Singapore,

Co-Founder & Director, Granullence Technology LLP; Co-Founder & Director, Pursuence GBS LLP,

Accredited Trainer, CSSC, USA




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



PROGRAM REGISTRATION LINK-<https://forms.gle/MPNAC5isXDGka4UT6>




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

LEAN SIX SIGMA GREEN BELT For QBD.

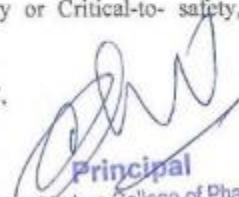
Department of Pharmaceutical Quality Assurance of PES's Modern College of Pharmacy, Nigdi, India in association with Mr. Santosh D. Awasarkar, Lean Six Sigma MBB, CEO-Founder @ Breath Apex IFP, India, under Centre For Pharma Business Excellence (CPBE) -CSSC, USA Accredited had conducted value addition certificate course of LEAN SIX SIGMA GREEN BELT For QBD.

Lean Six Sigma For Quality by Design (QBD) principles have been adopted by the USFDA for the discovery, development, and manufacture of drugs. Infact, global regulatory bodies- USFDA, EMEA made it mandatory for drug manufacturers to implement QBD Compliances into their new drug applications. ICH Guidelines-Q8, Q9, Q10 emphasizes QBD implementations. QBD principles in regulatory submissions ensures less hassle during review, fewer deficiencies leading to quicker approvals, fewer manufacturing problems, reduced number of post-market manufacturing supplements. QBD enhances ability to implement new technology that improves manufacturing without regulatory scrutiny. Set of expertise of Lean Six Sigma (DFSS-DMADV, DOE, SPC in QbD will create a synergy to deploy a structured statistical approach in designing & developing quality product. Hence, every global & Indian Pharma/ Biotech company need experts who can advise & deploy these high in demand skillsets.

The course was designed for Final Year B. Pharmacy and M.Pharm First year & Second Year. It was conducted in two batches. The first batch was conducted on following dates 11/02/2023, 12/2/2023, 18/02/2023, 19/02/2023, 11/03/2023. The second batch was conducted on 16/03/2023, 17/03/2023, 18/03/2023, 19/03/2023, 1/04/2023, 02/04/2023, 08/04/2023. During this course following 18 modules were conducted

- What is QBD
- Principles of ICH Q8 CR2), (ICH Q9), (ICH Q10)
- Definition of QTPP, CQAs, CPPs, CMAs.
- Importance & History of Quality by Design (QbD)
- Lean Six Sigma. DMADV (Define, Measure, Analyze, Design, Verify) vs. DMAIC (Design, Measure, Analyze, Implement & Control);
- Determining Critical Quality Attributes (CQAs) based on Product Quality, Patient Safety & Efficacy. VOC Drill down, Critical-to- quality or Critical-to- safety, Critical-to- efficacy,
- Critical-to- delivery, Critical-to- cost), VOP, SIPOC,




Principal
P. E. S. Modern College of Pharmacy
Plot No.21, Yamunanagar, Nigdi,
Pune - 411044



- High Level Process Mapping & Fishbone Diagram. Risk Analysis With Failure Modes Effects Analysis (FMEA) & Pareto Analysis,
- Process Lever Diagnostics Design. Project Charter, Problem Statement & Goal Statement, Project Scoping, Est. Project Benefit / Project QNS, Developing Performance Standard Documents.
- Project Communication: RACI Model (Responsible, Accountable, Consulted & Informed) FMEA, CI Matrix Driven Prioritization Of Critical Material Attributes (CMAs) & Critical Process Parameters (CPPs) With respect to CQAs. Principles,
- History & Types of DOE Designs, Full Factorial Design, Randomization, Replication, Repetition. Develop DoE Design Space, Deployment & Measurement of Responses(s),
- Development of regression model to Verify Design Space. Hypothesis testing, p value, Alpha value, Regression Coefficient, R Square Analysis, DOE Descriptive analysis: Pareto Plot, Main Effect Plot,
- Interaction Effect Plot & Cube Plots. Statistical Inferential Analysis: Analysis of Model Variance. CMAs / CPPs Optimization With Respect To CQAs. Process Improvement Statistical Validation With 2 Proportion Test.
- Determination Of Process Capability: Measurement Of Process Performance Indices- DPMO, DPU, DPO, SIGMA (LT & ST).
- Prediction Of Process Capability. Process Design Scale Up & Development Of Control Plan:- Monitoring Plan & Response Plan For CMAs, CPPs, & CQAs.
- Statistical Process Control: - Control Charts, Combined Control Charts, Selection & Application Of Attribute Control Charts: Control Charts (p chart, nP chart) . Process Control Validation & Determination of Process Capability.

During the conduct of course Mr.Santosh Awsarkar explained the various topics in detail. The course is very useful for Pharmacy professional. The students were very much engaged during this course. The final examination was conducted on 26/05/2023 at college. The college has taken feedback from each student about the course. The feedback was excellent about overall conduct of course. Every student who passed the examination was awarded with a certificate.




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

Batch I Day 1:

- Module: What is QBD, Principles of ICH Q8 CR2), (ICH Q9), (ICH Q10), Definition of QTPP, CQAs, CPPs, CMAs, Importance & History of Quality by Design (QbD), Lean Six Sigma. DMADV (Define, Measure, Analyze, Design, Verify) vs. DMAIC (Design, Measure, Analyze, Implement & Control);



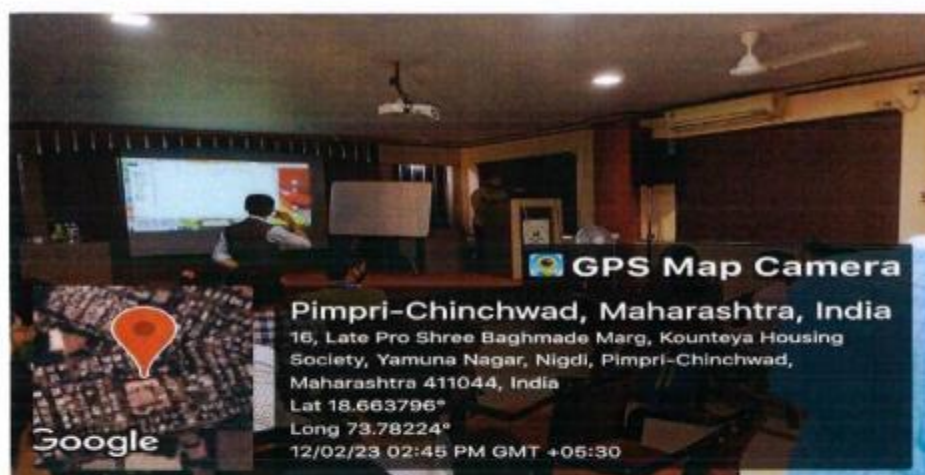
Mr. Santosh Awsarkar at the introductory session explaining important modules



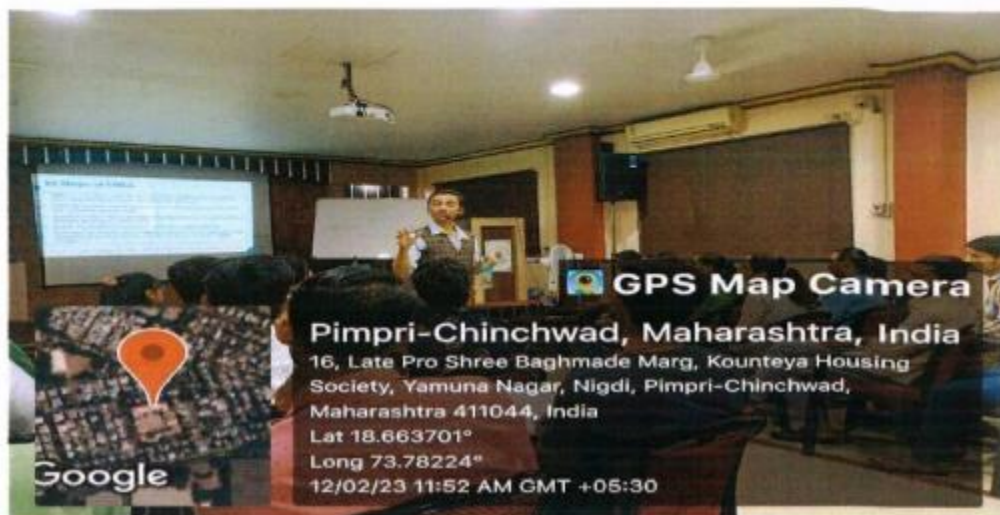
Principal
V.E.S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.


Batch I Day 2

- Module Determining Critical Quality Attributes (CQAs) based on Product Quality, Patient Safety & Efficacy.. VOC Drill down, Critical-to- quality or Critical-to- safety, Critical-to- efficacy, Critical-to- delivery, Critical-to- cost), VOP, SIPOC, High Level Process Mapping & Fishbone Diagram.Risk Analysis With Failure Modes Effects Analysis (FMEA) & Pareto Analysis, Process Lever Diagnostics Design.Project Charter, Problem Statement & Goal Statement, Project Scoping, Est. Project Benefit / Project QNS, Developing Performance Standard Documents



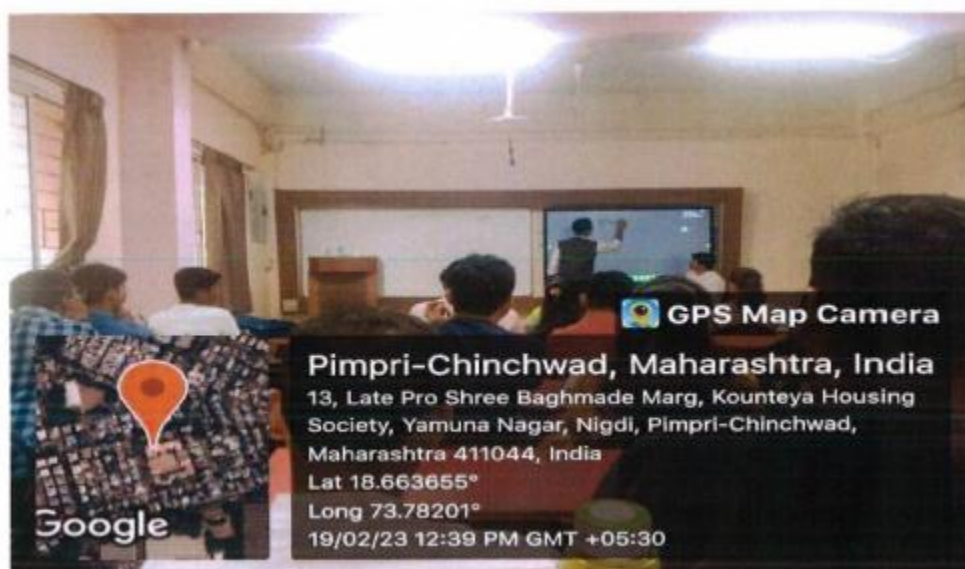
[Signature]
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yemunanagar, Nigdi,
Pune - 411 044.




Principal
P. E. S. Modern College of Pharmacy
Sector No 21, Yamunenagar, Nigdi,
Pune - 411 044.

Batch I Day 3

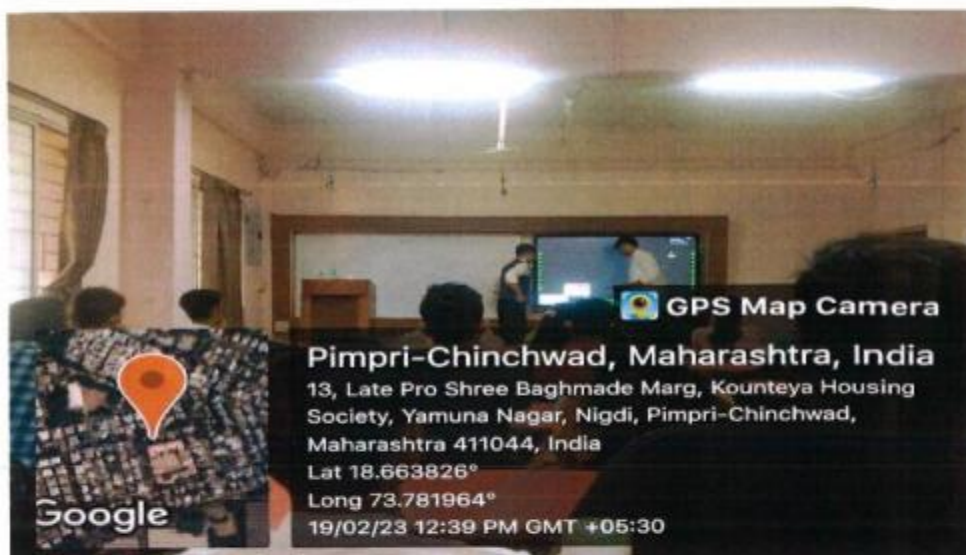
- Module Project Communication: RACI Model (Responsible, Accountable, Consulted & Informed) FMEA, CI Matrix Driven Prioritization Of Critical Material Attributes (CMAs) & Critical Process Parameters (CPPs) With respect to CQAs. Principles, History & Types of DOE Designs, Full Factorial Design, Randomization, Replication, Repetition. Develop DoE Design Space, Deployment & Measurement of Responses(s) Development of regression model to Verify Design Space. Hypothesis testing, p value, Alpha value, Regression Coefficient, R Square Analysis, DOE Descriptive analysis: Pareto Plot, Main Effect Plot



Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

Batch I Day 4

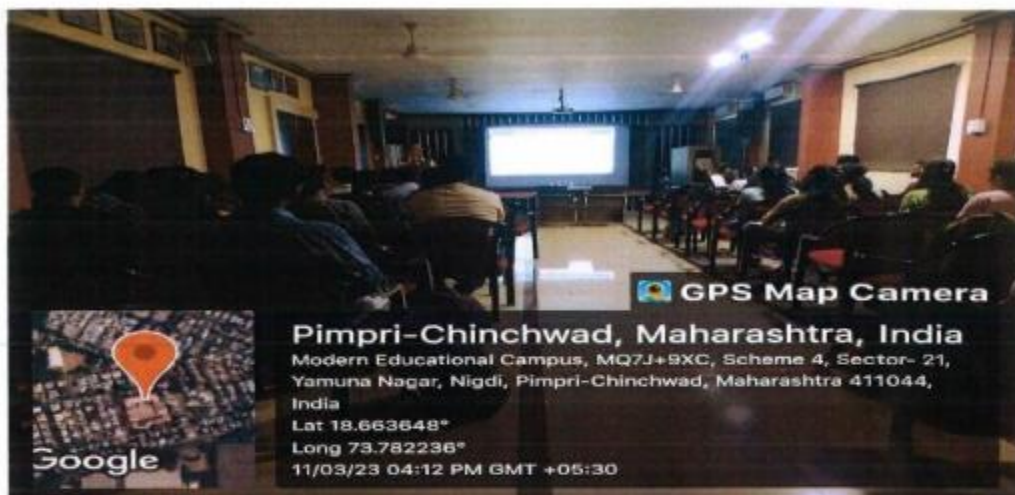
- Module Interaction Effect Plot & Cube Plots, Statistical Inferential Analysis: Analysis of Model Variance. CMAs / CPPs Optimization With Respect To CQAs. Process Improvement Statistical Validation With 2 Proportion Test.




Principal
P.E.S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

Batch I Day 5

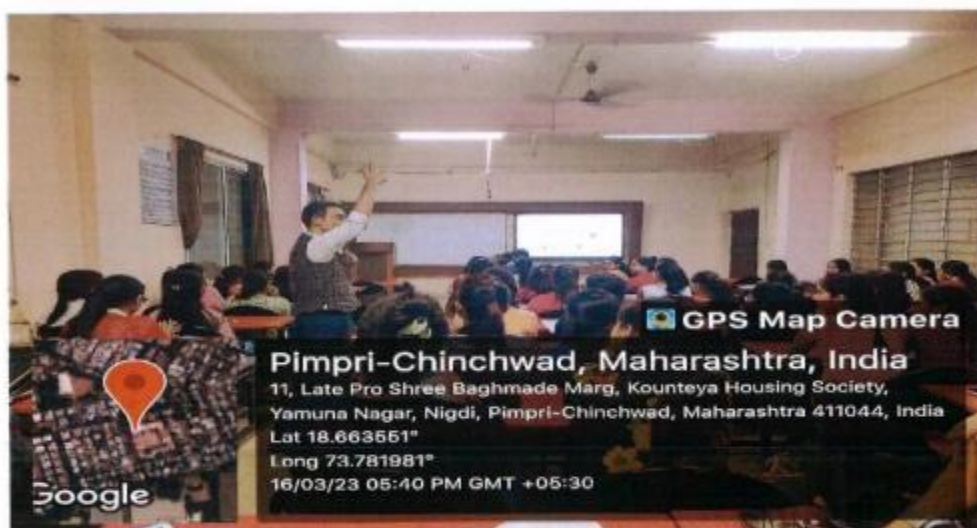
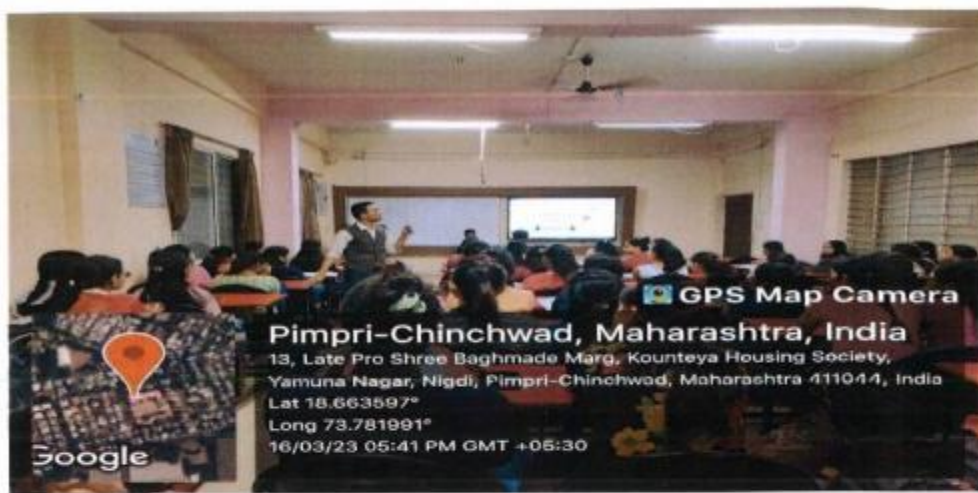
Module: Determination Of Process Capability: Measurement Of Process Performance Indices- DPMO, DPU, DPO, SIGMA (LT & ST)., Prediction Of Process Capability. Process Design Scale Up & Development Of Control Plan:- Monitoring Plan & Response Plan For CMAs, CPPs, & CQAs. Statistical Process Control: - Control Charts, Combined Control Charts, Selection & Application Of Attribute Control Charts: Control Charts (p chart, nP chart). Process Control Validation & Determination of Process Capability



[Signature]
Principal
P.E.S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

BATCH II**Day 1**

- Module: What is QbD, Principles of ICH Q8 CR2), (ICH Q9), (ICH Q10), Definition of QTPP, CQAs, CPPs, CMAs, Importance & History of Quality by Design (QbD), Lean Six Sigma. DMADV (Define, Measure, Analyze, Design, Verify) vs. DMAIC (Design, Measure, Analyze, Implement & Control);



Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

Day 2

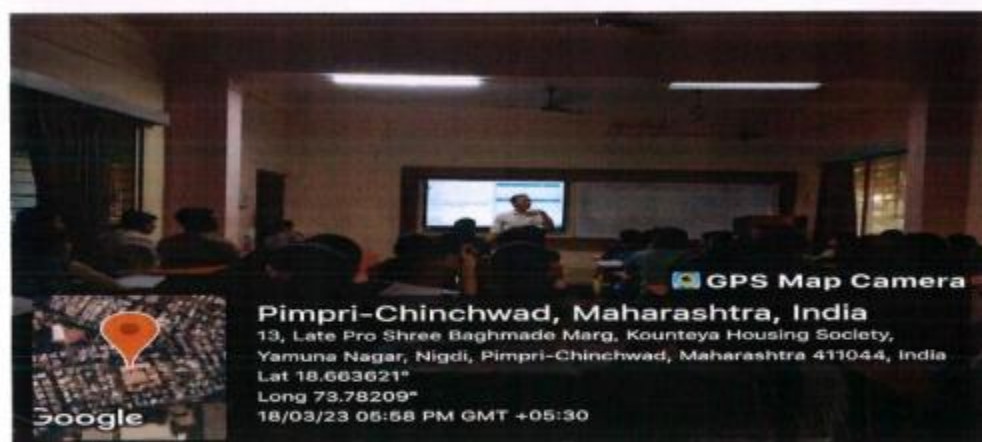
Module Determining Critical Quality Attributes (CQAs) based on Product Quality, Patient Safety & Efficacy.. VOC Drill down, Critical-to- quality or Critical-to- safety, Critical-to- efficacy, Critical-to- delivery, Critical-to- cost), VOP, SIPOC, High Level Process Mapping & Fishbone Diagram.Risk Analysis With Failure Modes Effects Analysis (FMEA) & Pareto Analysis, Process Lever Diagnostics Design.Project Charter, Problem Statement & Goal Statement, Project Scoping, Est. Project Benefit / Project QNS, Developing Performance Standard Documents



Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

Day 3

- Module Project Communication: RACI Model (Responsible, Accountable, Consulted & Informed) FMEA, CI Matrix Driven Prioritization Of Critical Material Attributes (CMAs) & Critical Process Parameters (CPPs) With respect to CQAs. Principles, History & Types of DOE Designs, Full Factorial Design, Randomization, Replication, Repetition. Develop DoE Design Space, Deployment & Measurement of Responses(s) Development of regression model to Verify Design Space. Hypothesis testing, p value, Alpha value, Regression Coefficient, R Square Analysis, DOE Descriptive analysis: Pareto Plot, Main Effect Plot

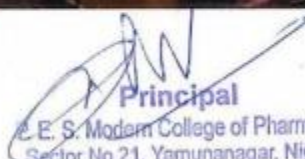


Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

Day 4

- Module Interaction Effect Plot & Cube Plots. Statistical Inferential Analysis: Analysis of Model Variance. CMAs /CPPs Optimization With Respect To CQAs. Process Improvement Statistical Validation With 2 Proportion Test.




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

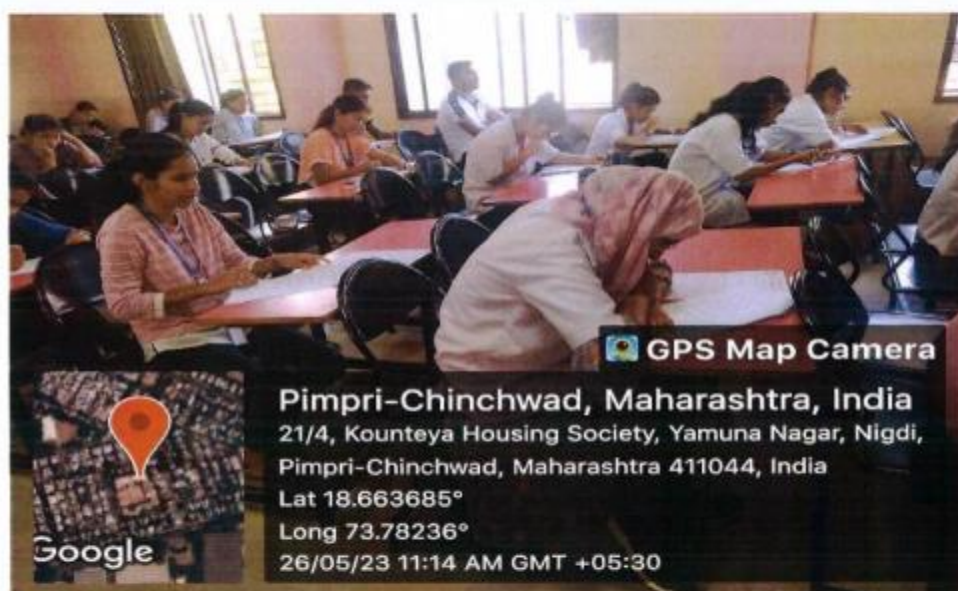
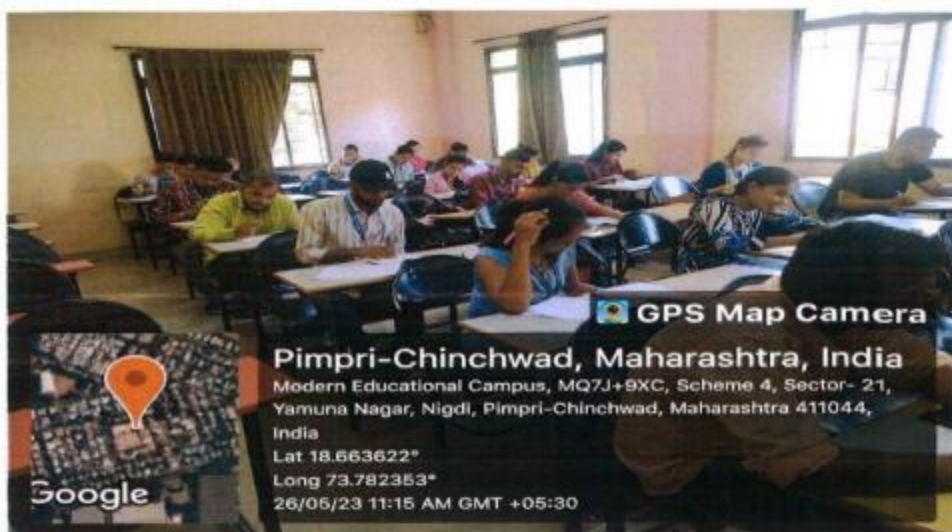
Day 5,6,7

Determination Of Process Capability: Measurement Of Process Performance Indices- DPMO, DPU, DPO, SIGMA (LT & ST), Prediction Of Process Capability. Process Design Scale Up & Development Of Control Plan:- Monitoring Plan & Response Plan For CMAs, CPPs, & CQAs. Statistical Process Control: - Control Charts, Combined Control Charts, Selection & Application Of Attribute Control Charts: Control Charts (p chart, nP chart) . Process Control Validation & Determination of Process Capability

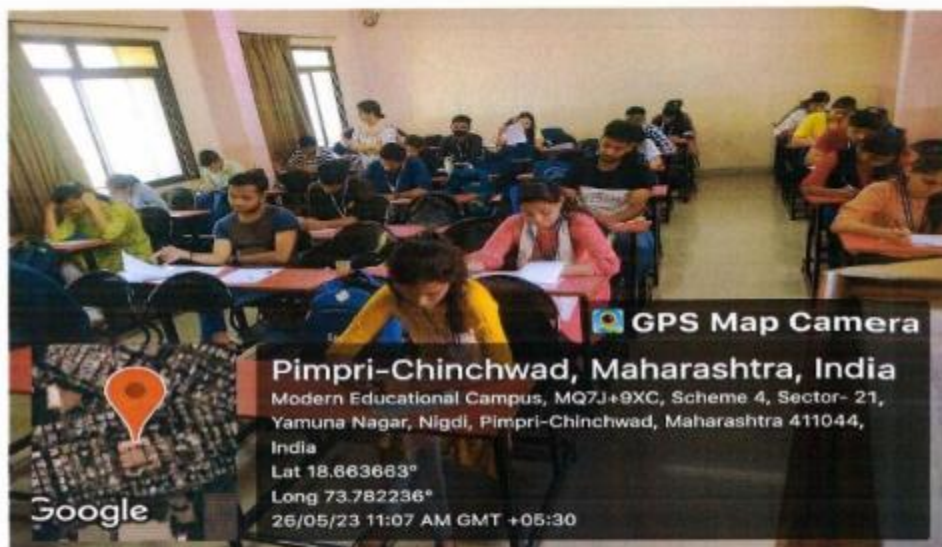



[Signature]
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

B.Pharm & M.Pharmacy students during final examination of six sigma green belt course

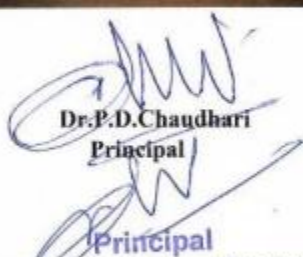


Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.




Dr.K.S.Shaikh
H.O.D.
Dept.of Pharmaceutical Quality Assurance
TPO.




Dr.P.D.Chaudhari
Principal
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



P. E. Society's
Modern College of Pharmacy, Nigdi, Pune.
Academic Year 2022-23

Attendance sheet

Date: 16/03/2023

Department of Pharmaceutical Quality Assurance of Modern college of Pharmacy Nigdi in collaboration with Pursuence GBS LLP's Value addition course on LEAN SIX SIGMA (LSS) GREEN BELT (BATCH II)

| Sr.No | Name | B.Pharm/ M.Pharm | Branch | Sign |
|-------|---------------------------|---------------------|-------------|--------------------|
| 65 | 1. Chopade Dnyaneshwar R. | m.pharm | P'chemistry | <i>[Signature]</i> |
| 66 | 2. vyavahare Tadbhakar | M.pharm | II - | <i>[Signature]</i> |
| 67 | 3. kamble Virendra | - | - | <i>[Signature]</i> |
| 68 | 4. Venkhar Khatate | -II- | QAT | <i>[Signature]</i> |
| 69 | 5. Salunkhe Manisha | M.ph | QAT | <i>[Signature]</i> |
| 70 | 6. Vaze Usha | M.ph | P'chem's | <i>[Signature]</i> |
| 71 | 7. Ajay Patange | M.ph | QAT | <i>[Signature]</i> |
| 72 | 8. Anushri Deulkar | m-pharm | Chemistry | <i>[Signature]</i> |
| 73 | 9. Damruddhi Ingle | M.pharm | Chemistry | <i>[Signature]</i> |
| 74 | 10. Tadhar Sneha Satish | M.ph | P'centics | <i>[Signature]</i> |
| 75 | 11. Salgar Pooja Bharat | M.ph | P'centics | <i>[Signature]</i> |
| 76 | 12. Rushikesh Nikalje | m.ph | QAT | <i>[Signature]</i> |
| 77 | 13. Shirsath Sanket | - | chem | <i>[Signature]</i> |
| 78 | Shravani Agalave | B-pharm | - | <i>[Signature]</i> |
| 79 | Godbharle Amrut | M-pharm | - | <i>[Signature]</i> |
| 80 | Shraddha Shingade | B-Pharm | - | <i>[Signature]</i> |

Dr. K. S. Shaikh
(HOD Dept of PQA)

Mr Santosh D Awasarkar,
(Director @ Pursuence GRS LLP)



Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



P. E. Society's
Modern College of Pharmacy, Nigdi, Pune.
Academic Year 2022-23

Attendance sheet

Date: 16/03/2023

Department of Pharmaceutical Quality Assurance of Modern college of Pharmacy Nigdi in collaboration with Pursuence GBS LLP's Value addition course on LEAN SIX SIGMA (LSS) GREEN BELT (BATCH II)

| Sr.No | Name | B.Pharm/ M.Pharm | Branch | Sign |
|-------|--------------------------|---------------------|----------|-----------|
| 1. | Snehal H. Kashire | m.pharm | Pharmacy | Snehal |
| 2. | Arpita N. Yabangi | m.pharm | Pharmacy | Arpita |
| 3. | Ravika. P. Babhulkar | m.pharm | Pharmacy | Ravika |
| 4. | Renuka. G. Zarekar | m.pharm | QAT | Renuka |
| 5. | Neha Shegkar | M.Pharm | QAT | Neha |
| 6. | Varsha Sunil Pawar | m.pharm | QAT | Varsha |
| 7. | Pawan Baburam Naughar | M.Pharm | QAT | Pawan |
| 8. | Abhishek Nagure | m.pharm | QAT | Abhishek |
| 9. | Prathmesh N. Nale | M.pharm | QAT | Prathmesh |
| 10. | Abhijeet Prabhakar More | m.pharm | QAT | Abhijeet |
| 11. | Ganpada Kundlik Rakshe | m.pharm | QAT | Ganpada |
| 12. | Namrata Jaywant Daphale | m.pharm | QAT | Namrata |
| 13. | Aashave Trupti Bhausaheb | m.pharm | Pharmacy | Aashave |
| 14. | Shahin Fiza Vahed | M.Pharm | Pharmacy | Shahin |
| 15. | Bhand Nitin Machhindra | m.pharm | Pharmacy | Bhand |
| 16. | more Gajjali Padmanag | m.pharm | Pharmacy | more |

Dr. K. S. Shaikh
(HOD Dept of PQA)

Mr Santosh D'Awaskar,
(Director @ Pursuence,GBS,LLP)



Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



P. E. Society's
Modern College of Pharmacy, Nigdi, Pune.
Academic Year 2022-23

Attendance sheet

Date: 16/03/2023

Department of Pharmaceutical Quality Assurance of Modern college of Pharmacy Nigdi in collaboration with Pursuence GBS LLP's Value addition course on LEAN SIX SIGMA (LSS) GREEN BELT (BATCH II)

| Sr.No | Name | B.Pharm/ M.Pharm | Branch | Sign |
|-------|-------------------------------|---------------------|--------------|--------------|
| 17 | 1. Madhuri Ashok Gargade | M.Pharm | P'cology | Madhuri |
| 18 | 2. Anjali Sunil Gaikwad | M.Pharm | ology | Anjali |
| 19 | 3. Vetrakar Purva Vighneshwar | M.Pharm | P'cology | Purva |
| 20 | 4. Alfiya M. Biradar | M.Pharm | P'cology | Alfiya |
| 21 | 5. Molini. Bharat Jadhav | M.Pharm | P'cology | Molini |
| 22 | 6. Gharadha Shivaji Tikate | M.Pharm | pharmacology | G. S. Tikate |
| 23 | 7. Deshpande Shubham Sharad. | - | P'centics | Shubham |
| 24 | 8. Gaurav vishnu Surewade | - | P'centics | Gaurav |
| 25 | 9. Sonal Sable | - | P'centics | Sonal |
| 26 | 10. Pathan Adil. M | - | P'centics | Adil |
| 27 | 11. Bhand Nitin. M | - | P'centics | Nitin |
| 28 | 12. Verendra Kambale | - | Chem. | Verendra |
| 29 | 13. Sakshi Sonawane | - | P'centics | Sakshi |
| 30 | 14. Harshal. Patil | - | P'centics | Harshal |
| 31 | 15. Ditya Dhamankar | - | P'centics | Ditya |
| 32 | 16. Kalyani Ghotekar | - | P'centics | Kalyani |
| 17 | more | - | P'centics | more |

Dr. K. S. Shaikh
(HOD Dept of PQA)

Mr Santosh D. Awasarkar,
(Director @ Pursuence, GBS, LLP)

* These are sample Attendance copies of total No. of beneficiaries are 100 for Value Addition



P. E. S. Modern College of Pharmacy
Sector No 21, Yamunanagar, Nigdi,
Pune - 411044



Department of Pharmaceutical Quality Assurance of
Modern College of Pharmacy, Nigdi,
Sector 21, Yamunanagar, Nigdi, Pune-411044
in collaboration with
Pursuence GBS I.I.P Launches
a Value Addition Course on
LEAN SIX SIGMA (LSS) GREEN BELT (Breath Program).

Enrollment Form

Academic Year: 2022-23

1. Full Name in capitals:

NAGALAPUR POOJA PRABHU

2. Permanent Address:

Rajashree Hsg Society, E-8,
Indrayanagar, bhosari, Pune.

3. Roll No.:

CH-109

4. Class:

M. pharm

5. Department:

Pharmaceutical Chemistry.

6. Semester:

Sem - 1

7. Contact number:

9370078814

8. Email:

poojanagapur2000@gmail

Pooja . P. Nagalapur
Name and Signature of the Student



Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Department of Pharmaceutical Quality Assurance of
Modern College of Pharmacy, Nigdi,
Sector 21, Yamunanagar, Nigdi, Pune-411044
in collaboration with
Pursullence GBS I.I.P Launches
a Value Addition Course on
LEAN SIX SIGMA (LSS) GREEN BELT (Breath Program).

Enrollment Form

Academic Year: 2022-23

1. Full Name in capitals: MS. SAMIKSHA SANTAY PATOKAR
2. Permanent Address: ROKDIYA NAGAR, KHAMGAON ROAD,
SHEGAON, BULDHANA - 444203
3. Roll No.: CH 111
4. Class: F.Y. m.Pharm (Chemistry)
5. Department: Chemistry
6. Semester: Semester Ist
7. Contact number: 7083910052
8. Email: samikshapatokar@gmail.com

sapatokar
Samiksha. S. Patokar
Name and Signature of the Student



[Signature]
Principal
P. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Department of Pharmaceutical Quality Assurance of
Modern College of Pharmacy, Nigdi,
Sector 21, Yamunanagar, Nigdi, Pune-411044
in collaboration with
Pursuence GBS I.I.P Launches
a Value Addition Course on
LEAN SIX SIGMA (LSS) GREEN BELT (Breath Program).

Enrollment Form

Academic Year: 2022-23

1. Full Name in capitals: MAKEY OMKAR DATTATRAY
2. Permanent Address: Rx 2/3 Dendant Housing Society
MIDC Waluj Bajajnagar,
Aurangabad
3. Roll No.: CH-107
4. Class: M-Pharm First Year
5. Department: Chemistry
6. Semester: Ist
7. Contact number: 8767379559
8. Email: makeyomkar123@gmail.com

Omkar Makey
Omkar
Name and Signature of the Student



[Signature]
Principal
E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.


Pursullence®
Breathe | Franchise | Grow

**Modern College of Pharmacy, Nigdi, Pune & Pursullence GBS Under
BREATH APEX INSIGHT FELLOWSHIP PROGRAM**

MR. PAVANKUMAR D. MARE

Certify that

Has Confidently Initiated A Journey Towards Pharma Excellence & Efficiency Optimization
By Completing Level -I

LEAN SIX SIGMA GREEN BELT

& Has Successfully Accomplished Continual Improvement Projects Deployment Skillsets Of
Diagnosing Pharma Business Levers, Measuring Current Business Problems & Process Capabilities,
Investigating Detailed Root Cause Analysis, Improving Capabilities & Robust Monitoring Of Business
Levers Based On Strong Statistical Premise.


Dr. K. S. Shaikh
Course Coordinator
HOD, Pharmaceutical Quality Assurance


Mr. S.D. Awasarkar, MBB, PMP
Co-Founder
Pursullence GBS


Dr. P.D. Chaudhari
Principal
Modern College of Pharmacy, Nigdi


P. E. S. Modak
Principal
Modern College of Pharmacy, Nigdi

Date of Certification : 03/06/2023
Certification No. : 025







MOU with Inducare Pharma Pvt Ltd, Pune

Summary of activities under MOU

| Sr no | Academic Year | Name of Activity | Title | Name of faculty | No of beneficiaries | Start Date | End Date |
|-------|---------------------------|------------------------|---|--|---------------------|------------|------------|
| 1 | 2022-2023 | Collaborative Research | Chemical fingerprinting of curcumin and berberine in selected ayurvedic formulations and herbs recommended for skin infection | 1. Kalyani Kakad 2. Pallavi M Patil | 02 | 11/06/2022 | 12/05/2023 |



Progressive Education Society's
MODERN COLLEGE OF PHARMACY

Accredited by NAAC & NBA (B.Pharm. 2019 to June 2022)

'Best College Award' by Savitribai Phule Pune University



Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently affiliated to
Savitribai Phule Pune University, Pune & Approved under Section 2 (f) & 12 (B) of UGC Act, 1956

Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044. (M.S.) Tel. : 020-27661314 / 15

E-mail : mcopnigdi44@gmail.com Website : www.mcop.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. Gajanan R. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council
P.E.Society, Pune

Ref: MCOPT/MSU/2021-22/166

Date: 18/09/2021

MEMORANDUM OF UNDERSTANDING

P. E. Society's Modern College of Pharmacy, Sector no-21, Yamunanagar, Nigdi, Pune-44
herein referred as the **FIRST PARTY** (which will be termed unless the context otherwise
requires shall include its representatives, successors of assignees of first party)

Inducare Pharma Pvt Ltd, an Ayurvedic Medicine Manufacturing Company, herein after
referred as the **SECOND PARTY** (which term unless the context otherwise requires shall
include its representatives, successors of assignees of second party)

PREAMBLE

• **P. E. Society's Modern College of Pharmacy, Nigdi, Pune-411044**

It is a premium institute imparting education in Pharmaceutical Sciences as well as
carrying out research in Pharmaceutical Science. It is recognized by the AICTE, PCI
and permanently affiliated to Savitribai Phule Pune University. The Institute is
approved under Section 2(f) and 12(B) of the UGC Act, 1956 and is accredited by
NAAC, India. The institute is awarded as a Best College in Professional Colleges
category by Savitribai Phule Pune University. The institute is recognized as a Ph.D.
research centre in Pharmaceutics, Pharmaceutical Chemistry and Pharmacology by

Page 1 of 5




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

STRIVING TOWARDS EXCELLENCE FOREVER



Savitribai Phule Pune University. Due to the dedicated and competent faculty, updated curriculum, innovative methods of instructions and excellent laboratory facilities, it has been attracting students from all over India and outside. The library is enriched with Chemical Abstracts (1907-1986) and has subscribed to more than 3900 e-journals. The college has also subscribed to various national programs such as, National Program on Technology Enhanced Learning (NPTEL) and National Library and Information Services Infrastructure for Scholarly Content NLIST a Program at INFLIBNET. The college library has maintained a well-furnished language laboratory and audio-visual room. The college has well equipped research laboratories and the faculty and the students have undertaken various research projects in major thrust areas in Pharmacy and allied sciences.

Inducare Pharma Pvt Ltd

Inducare Pharma for healthy universe – fastest growing group of devoted people working in the field Ayurveda, aimed For Healthy Universe. As Ayurveda completely described as Ayu: Ved: Ayurveda: means to know about life, in health and illness, we work for healthy universe of universe for human being for animals. Inducare Pharma established in 2005 by Dr Ramdas S. Kute. Sir is an ayurvedic physician and has vast experience of Ayurveda through patient care and manufacturing of ayurvedic products.

GMP & ISO 9001-2008 Certified Company

Inducare Pharma having State of art, well equipped 32000 sq. ft. manufacturing unit in industrial area of Jejuri along with high quality utilities to insure capacity building with high quality manufacturing herbal products.

Inducare Pharma works in different ways like

1. Research & Product Development
2. Patient care through Shatayu Hospital and Ayurvedic Research center
3. Well equipped 24000 Sq. Ft. Manufacturing unit at Jejuri MIDC

Page 2 of 5




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



4. Linked with nature and fresh herbs through plantation of medicinal plants at kolavihire
5. Taking care of Animals and pets through quality ayurvedic products
6. Serving overseas people via Exports of quality products to Kazakhstan, Russia, Belarus Mauritius etc.
7. Promoting Ayurveda through "Ayurvedic Vichar" quarterly published magazine dedicated for Ayurveda and for healthy universe

GOALS AND OBJECTIVES

The FIRST PARTY is engaged in teaching and research in Pharmaceutical Science, whereas the SECOND PARTY is an Ayurvedic Medicine Manufacturing Company that works as a contract research organization.

The FIRST PARTY and the SECOND PARTY have agreed to hire the services and facilities available with FIRST PARTY and SECOND PARTY to take up joint Research and Development (R & D) projects and training modules.

The SECOND PARTY has agreed to share their expertise and facilities with the students and faculty of FIRST PARTY. The SECOND PARTY has also agreed to allow the hands-on training and industrial projects to the Undergraduate and Post graduate students of FIRST PARTY and support the training and placements activities of FIRST PARTY.

Both the parties have agreed to work on the areas of mutual interests such as-

- a. Histological analysis of crude drugs and powders
- b. Phytochemical screening of crude drugs, extracts or formulations
- c. Designing and optimization of extraction process
- d. Designing the chromatographic profile for raw materials, extracts or finished products
- e. Evaluation of herbal and Ayurvedic formulations
- f. Formulation designing and Stability studies
- g. Pharmacological screening of raw materials, extracts or finished products

Page 3 of 5




Principal

P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



- h. Instrumental characterization of isolated phytoconstituents
- i. Organizing In-plant industrial training for students & faculty
- j. Organizing industrial visits for the students & faculty
- k. Supplying raw material, extracts or finished products for research purpose


Now this deed of MOU is agreed by and between the parties under following terms and condition for 10 Years from the date of Signature:

TERMS AND CONDITIONS:

- a) The R& D work and special lectures of the modules/courses of **BOTH PARTIES** will be taken up at the premises of **BOTH THE PARTIES** as per the program of work mutually agreed upon.
- b) The **SECOND PARTY** shall provide required materials such as chemicals, polymers and others for the purpose of study along with the relevant data on such materials.
- c) **BOTH THE PARTY** may allot such joint projects to M. Pharm or Ph.D. students with the help of the staff and students of their organization. The required equipment for carrying out the R & D activity other than those available with **FIRST PARTY** and are to be made available by **SECOND PARTY and Vice Versa** or suitable assistance shall be borne by the **BOTH THE PARTIES** for getting such work done.
- d) The funds for such R& D work shall be obtained through respective research councils by individual/joint application of research proposals and shall be used to support mutually agreed projects activities.
- e) The faculty, students and employees from both parties can freely interact on the joint research project. The faculty and the students can share the Laboratory and Instrumental facilities for smooth functioning of the project.

Page 4 of 5




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



- f) The findings of the research work shall be published or patent jointly by the parties.
- g) If the results of this joint project are able to attract commercial utilization, then the financial benefit shall be shared between the two parties equally or through any mutually agreed arrangements.
- h) All joint projects shall be reviewed every six months by joint committee appointed for the purpose by the two institutes in order to advise on the future course of each project. Collaborating researchers from both sides are expected to make presentations at such meeting along with submitting a summarized account of the work carried out for that period. The joint committee is also entrusted with the responsibility of suggesting any remedial measures for ensuring success of each project.
- i) Any dispute arising shall be settled through mutual negotiations only without recourse to resolving the dispute by legal means.

Signed on –



Dr. P.D. Chaudhari
Principal,
E. S. Modern College of Pharmacy,
Sector No.21, Yamunanagar, Nigdi,
Pune-411044
Modern college of Pharmacy,
Sector No.21, Yamunanagar, Nigdi, Pune-411044



Dr. Ramdas Subhash Kute.
Managing Director,
Inducare Pharma Pvt. Ltd.
Corporate Office: 803 Kumar Surabhi Pune
Satara Road, in front of Shri Saibaba Mandir
Swargate, C-34, MIDC, Jejuri, Taluka - Purandar,
District - Pune-411099
Maharashtra, India.



Progressive Education Society's
MODERN COLLEGE OF PHARMACY

Accredited by NAAC & NBA

DST FIST Funded College

'Best College Award' by Savitribai Phule Pune University

Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently affiliated to
Savitribai Phule Pune University, Pune & Approved under Section (2 (f) & 12 (B) of UGC Act, 1956

Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044. (M.S.) Tel. : 020-27661314 / 15

E-mail : mcopnigdi44@gmail.com Website : www.mcop.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. Gajanan R. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council
P.E.Society, Pune

Ref :

Date : 08/06/2023

Summary of Activity done under MOU Year wise

Name of concern Industry: Inducare Pharma (P) Ltd, Purandar, Pune

Date of MOU: 18/09/2021 to 17/09/2031

Validity Period of MOU: 10 years

| Sr no | Academic Year | Name of Activity | Title | Name of faculty | No of beneficiaries | Start Date | End Date |
|-------|---------------|------------------------|---|---|---------------------|------------|------------|
| 1 | 2022-2023 | Collaborative Research | Chemical fingerprinting of curcumin and berberine in selected ayurvedic formulations and herbs recommended for skin infection | 1. Kalyani Kakad, 2. Pallavi M Patil | 02 | 11/06/2022 | 12/05/2023 |

Dr. Pravin D. Chaudhari
Principal and Professor



MoU Incharge
Inducare Pharma (P) Ltd



STRIVING TOWARDS EXCELLENCE FOREVER

2022-2023

IJBPA, June, 2023, 12(6): 2536-2545

ISSN: 2277-4998



**International Journal of Biology, Pharmacy
and Allied Sciences (IJBPA)**
'A Bridge Between Laboratory and Regular'

www.ijbpa.com

**CHEMICAL FINGERPRINTING OF CURCUMIN AND BERBERIN IN
SELECTED AYURVEDIC FORMULATION AND HERBS
RECOMMENDED FOR SKIN INFECTION**

**KAKAD KALYANI S¹, NAWALE S², PATIL PM³, KUTE R⁴, MALODE SS⁵,
NEMMANIWAR AS¹, DHOLE ON¹ AND RAUT PL¹**

- 1: Department of Pharmacognosy, Progressive Education Society's Modern College of Pharmacy, Sector -21, Yamunanagar Nigdi, Pune-411044, Maharashtra, India
- 2: Department of Pharmacognosy, Gokaraju Rangaraju College of Pharmacy, Nizampet, Bachupally, Hyderabad, 500090 (Osmania University), India
- 3: Associate Professor, Progressive Education society's Modern College of Pharmacy, Sector - 21, Yamunanagar
- 4: Inducare Pharma Pvt. Ltd., 1750, Morgaon road, Jejuri, Tal. - Purandar, Dist. - Pune.
- 5: Department of Pharmaceutics, NGSPM'S College of Pharmacy, Brahma Valley Education Campus, Anjaneri Nashik-422213

*Corresponding Author: Dr. Kakad Kalyani Shrinivas: E Mail: kk_pharma20@rediffmail.com

Received 10th July 2022; Revised 15th Aug. 2022; Accepted 15th Sept. 2022; Available online 1st June 2023

<https://doi.org/10.31032/IJBPA/2023/12.6.7099>

ABSTRACT

Natural products have great potential to treat diverse kinds of skin diseases. In India more than 75% peoples are depends on the traditional health care system and now a days different natural product-based products are used to treat skin diseases. The objective of this study is to detect the active compounds of particular Ayurvedic medicines suggested for skin treatment. The selected polyherbal liquid preparation traditionally recommended for management of various kinds of skin related infections, like acne, fungal infection, vitiligo, psoriasis, chronic itching.

IJBPA, June 2023, 12(6)



Principal
P. E. S. Modern College of Pharmacy
Sector No 21, Yamunanagar, Nigdi,
Pune - 411 044.




MOU with GTT Foundation, Pune

Summary of activities under MOU

| Sr no | Academic Year | Name of Activity | No of beneficiaries | Start Date | End Date |
|-------|---------------------------|--|---------------------|------------|------------|
| 1 | 2021-2022 | 1. Online soft skills training programme | 130 | 20/01/2022 | 22/01/2022 |
| | | 2. Online soft skills training programme | 126 | 24/03/2022 | 26/03/2022 |
| 2 | 2022-2023 | Online soft skills training programme | 398 | 28/11/2022 | 30/11/2022 |



 **Progressive Education Society's**
MODERN COLLEGE OF PHARMACY
Accredited by NAAC & NBA (B.Pharm. 2019 to June 2022)
'Best College Award' by Savitribai Phule Pune University

Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS). Permanently affiliated to
Savitribai Phule Pune University, Pune & Approved under Section 12(f) & 12(B) of UGC Act, 1956

Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044, (M.S.) Tel. : 020-27661314 / 15
E-mail : mcoptnigdi44@gmail.com Website : www.mcop.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. Gajanan R. Ekbole
M.S., M.N.A.M.S.
Chairman, Business Council
P.E.Society, Pune

Ref : MCoP/ May/ 2021-22/148 Date : 06/03/2021



Memorandum of Understanding

This Memorandum of Understanding is made at Pune on 6th September 2021

BETWEEN

The Progressive Education Society's Modern College of Pharmacy, Sector-21, Yamunanagar, Nigdi, Pune-44 (College of Pharmacy permanently affiliated to Savitribai Phule Pune university established under the roof of Progressive Education Society, Pune) is a premier institution, represents a rich tradition of excellence in health and technology-based education. The college is approved by University Grants Commission, New Delhi under Section 2(f) and 12(B) of the UGC Act, 1956. The college is previously accredited by NAAC Bangalore and presently accredited by National Board of Accreditation, New Delhi and also awarded as Best Professional College by Savitribai Phule Pune University. The college is recognized as a Ph.D. research Centre for Pharmaceutics, Pharmacology and Pharmaceutical Chemistry by the University of Pune. The college is ranked 41 in 2017-18, secured rank in 75-100 band in 2018-19 and 74 in 2019-20 in NIRF National Ranking for institutions by MHRD, Govt. of India in pharmacy category.

The college has state-of-the-art infrastructure for study and research in Pharmaceutical and life sciences. The faculty of the college is competent, qualified, devoted and with an innate passion for carrying out research with relevance to current and contemporary needs. The college has well-furnished library which is enriched with Chemical Abstracts (1907-1986), e-library, language laboratory, and has subscribed to more than 3900 e-journals. The college has also subscribed to various national programs such as, National Program on Technology Enhanced

 
Principal
STRIVING TOWARDS EXCELLENCE FOREVER P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Learning (NPTEL) and National Library and Information Services Infrastructure for Scholarly Content (NLIST) at INFLIBNET. The college has well equipped research laboratories and the faculty and the students have undertaken various research projects in major thrust areas in Pharmacy and allied sciences. The college is having its Registered Office at Sector 21, Yamunanagar, Nigdi, Pune - 411044 India hereinafter referred to as "College" (Which term shall so far as the context admits be deemed to mean and include its successors and assigns) of the

First Part.

AND

GTT Foundation a Non-Profit Organization registered having its registered office at 10, Talera Park, Kalyani Nagar, Pune-411014 here in after referred to as "GTF" (which expression shall, unless it be repugnant to the subject or context thereof, include its successors and permitted assigns) of the Second Part

WHEREAS

1. Progressive Education Society's Modern College of Pharmacy, Sector-21, Yamunanagar, Nigdi, Pune-44 is an Educational institution permanently affiliated to Savitribai Phule Pune university, Pune
2. GTT Foundation is engaged in the field of education & employability domain that provides training to the students as part of their CSR activity
3. The "college" is willing to enter into a Memorandum of Understanding (MOU) with GTTF for the skills enhancement training program through the technology platform or other face to face initiatives.

NOW IT IS HEREBY AGREED BY AND BETWEEN THE PARTIES HERE TO AS UNDER:

2




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



1. Objective:

The objective of this MOU is to enable students of the college access to resources that would enhance their employability.


2. Period of MOU:

This MOU shall come into force and effect from the date of execution and shall remain valid for a period of Two year from such date after which the same may be reviewed by either party. However, if the same is not renewed this arrangement will be deemed terminated on the expiry of the said duration period.

3. Roles & Responsibilities of the College:

- a. The College shall be responsible to nominate one person with adequate accountability and responsibility to coordinate the engagement. The person so appointed would act as the single point of contact (SPOC) for the proposed initiative.
- b. The College shall share in their letter head the details of the students who will attend the a foresaid training program with GTTF like name, email ID, contact details, Name of the Company in which Candidate is placed(current Company), qualification (along with the year of completion/pursuing) and other documents as per GTTF training requirements..
- c. It would be the responsibility of the College to ensure that proper publicity of the Program is made through College website.
- d. To encourage the Students to register for the Program by informing them about the benefits of the program.
- e. College to refrain conducting any of their training or call with the students when GTTF training is going on.
- f. It would be their responsibility to ensure that all their students adhere to training schedule.
- g. To provide all the support services and facilities to GTTF during the conduct of the said Training Program.




Principal
P.E.S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



- h. To coordinate with GTTF and facilitate conduct of all the assessments including the assessment to be conducted by the external agency (if any) identified by GTTF, as per schedule communicated by GTTF.
- i. To provide the placement details of the students who have undergone the aforesaid training.

4. Roles & Responsibilities of GTTF:

- a. GTTF shall be responsible to provide access to employability enhancement related activities through blended learning model.
- b. GTTF will arrange for assessment of its own and also arrange external assessment as required.
- c. GTTF will facilitate placement of students with their client/ customer companies in suitable positions and also recruit for their own requirements.

5. Other Terms & Conditions:


Following are the other terms and conditions of MOU:

- a. The students enrolled should complete the training as scheduled.
- b. Program Coordinator to be appointed by college.
- c. TPO's active support and participation is required for smooth & efficient conduct of the program.
- d. The College shall not write/publish any material or use any logos/names of GTTF/ in any of the publications without prior written consent and approval from GTTF.

6. Commercial:

This life skills enhancement training program is free of cost. GTTF shall not charge any fees on whatsoever account/name from the students or the College for conducting the aforesaid training program.




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



7. Certification:

Certificates shall be awarded by GTTF to the students on successful completion of the training and clearing of the assessment held post completion of the training program.

8. Limitations and Warranties :

Both parties agree that it would be their endeavor to prevent any liability arising out of default or non-compliance of the MOU terms by the other party.

9. Termination:

- a. Both parties can terminate the MOU with a prior written thirty (30) day notice on default of terms or non-adherence to any condition or responsibilities by the other party as outlined in this MOU in case such default is not rectified within such 30 days.
- b. Both parties also agree that it would be their professional endeavour that despite any termination of the MOU, progress would continue, without any prejudice to the ongoing Training Programs, which would be without any hindrance and would be progressed for completion.

10. Entirety & Amendment:


This MOU contains the entire understanding between the Parties in relation to the Training Program. If during the operation of the MOU, circumstances may rise which call for alteration / modification to this MOU, such alteration / modification shall be mutually discussed and agreed upon in writing. Such changes will be formalized in writing as an 'Addendum' to this MOU. Any changes/amendments to this MOU not in conformance to this section shall be deemed to be void-ab-initio.

11. Intellectual Proprietary Rights:

All intellectual or proprietary property and information, supplied or developed by either Party shall be and remain the sole and exclusive property of the Party who supplied or developed same. Upon termination of this MOU and upon written request, the Party in

5




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



receipt of the requesting Party's intellectual or proprietary property and/or information pursuant to this MOU shall return such information to the requesting Party.

12. Confidential Information:

- a. Both parties undertake to each other to keep confidential all information (written or oral) concerning the business and affairs of the other, which has been obtained or received during the course(s) of performance hereunder, save that which is inconsequential or obvious;
- b. Already in its possession other than as a result of a breach of this clause; or in the hands of the public other than as a result of a breach of this clause.
- c. In the event of any of the parties becoming legally compelled to disclose any confidential information, such party shall give sufficient notice to the other party so as to enable the other party to seek a timely protective order or any other appropriate relief. If such an order or other relief cannot be obtained, the party being required to make such a disclosure shall make the disclosure of the Confidential Information only to the extent that is legally required of it and no further.
- d. The College agrees not to deal directly or enter in to any agreement any clients GTTF and should not share any information with them related to the training during the term of the agreement and also after the agreement have been terminated, not earlier than two years from the date of termination.

13. Force Majeure:

- a. Neither party to this MOU shall be liable for any failure or delay on its part in performing any of its obligations under this MOU, if such failure or delay shall be result of or arising out of Force Majeure conditions and, provided that the party claiming Force Majeure shall use its best efforts to avoid or remove such cause of non-performance and shall fulfil and continue performance hereunder with the utmost dispatch whenever and to the extent such cause or causes are removed.



Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



b. Any extraordinary event, which cannot be controlled by the parties, shall for the purpose of this MOU be considered as a Force Majeure event. Such events include acts of God, acts or omissions of any Government or agency thereof, compliance with rules, regulations or order of any Government Authority. Provided however, if either party claims that existence of any of the aforesaid conditions is delaying or disabling the performance by said party of its obligations under this MOU, such party shall give immediate notice to the other party of the existence of such conditions whose existence are claimed to delay or disable the performance of obligations as aforesaid.


14. Non-Solicitation:

The College agrees that during the term of this Agreement and for a period of two (2) years after the termination or expiry thereof, it shall not, directly or indirectly, employ, contract, solicit, hire or otherwise utilize the services of an existing employee of GTTF

15. Jurisdiction and Arbitration:

- a. In the event of any dispute or difference between the Parties hereto, the courts in Pune alone shall have exclusive jurisdiction to try any matter arising between the Parties here-to and accordingly both the Parties shall submit to the exclusive jurisdiction of courts in Pune, Maharashtra.
- b. Any dispute arising out of, in relation to or in respect to this MOU shall be settled through mutual consultation and agreement, by the Parties to this MOU. In case a settlement is not arrived at within fifteen (15) days of reference, the dispute/s shall be referred to a sole arbitrator to be appointed in accordance to the Arbitration and Conciliation Act, 1996 as amended from time to time. The place of arbitration shall be Pune, India.




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



IN WITNESS WHEREOF, the Parties here to have duly executed this Agreement as on the day, month and year first here in above written

For College Name

For GTT Foundation.

(Authorized Signatory)

(Authorized Signatory)

Name: Dr. Provin D. Chaudhavi

Name: Neha Sharma

Designation: Principal

Designation: Company Secretary

Place: Pune-44

Place: Pune

Date: 6th Sep. 2021

Date: 28/09/2021

Stamp:

Stamp:

Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Progressive Education Society's
MODERN COLLEGE OF PHARMACY

Accredited by NAAC & NBA
DST FIST Funded College

'Best College Award' by Savitribai Phule Pune University



Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently affiliated to
Savitribai Phule Pune University, Pune & Approved under Section (2 f) & 12 (B) of UGC Act, 1956

Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044. (M.S.) Tel. : 020-27661314 / 15

E-mail : mcpnigdi44@gmail.com Website : www.mcop.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. Gajanan R. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council
P.E. Society, Pune

Ref :

Date: 06/06/2023


Summary of Activity done under MOU Year wise

Name of concerned Organization: GTT Foundation Pune

Date of MOU: 06/09/2021 to 05/09/2023

Validity Period of MOU: 02 Years

| Sr no | Academic Year | Name of Activity | No of beneficiaries | Start Date | End Date |
|-------|---------------|--|---------------------|------------|------------|
| 1 | 2021-2022 | 1. Online soft skills training programme | 130 | 20/01/2022 | 22/01/2022 |
| | | 2. Online soft skills training programme | 126 | 24/03/2022 | 26/03/2022 |
| 2 | 2022-2023 | Online soft skills training programme | 398 | 28/11/2022 | 30/11/2022 |


Dr. Pravin D. Chaudhari
Principal and Professor




MoU Incharge
GTT Foundation Pune.



STRIVING TOWARDS EXCELLENCE FOREVER



2021-2022

Progressive Education Society's
MODERN COLLEGE OF PHARMACY
Accredited by NAAC & NBA (B.Pharm. 2019 to June 2022)
'Best College Award' by Savitribai Phule Pune University

Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently affiliated to
Savitribai Phule Pune University, Pune & Approved under Section (2 (f) & 12 (B) of UGC Act, 1956

Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044. (M.S.) Tel. : 020-27661314 / 15
E-mail : mcopnigdi44@gmail.com Website : www.mcop.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. Gajanan R. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council
P.E. Society, Pune

Ref: MCOP/TL/2021-22/337 Date: 22/01/2022

To,
Mr. Hariharan Swamy
Certified trainer for PV,
Pune

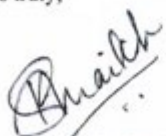
Dear Sir,


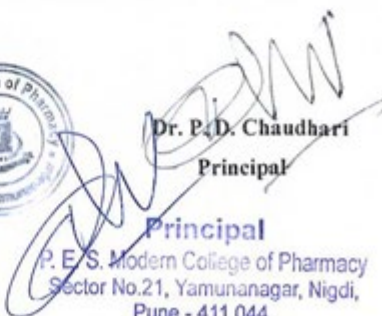
It was a great pleasure for us to have you as a resource person for **three days** online technical skills (Pharmacovigilance) training program in collaboration with Global Talent Track & Barclays. The interaction that the students had with you has really boosted their morale and must have benefited by the same.

We are highly obliged as you spent your valuable time and shared the importance of Pharmacovigilance.

We look forward for your continuous association in future.

Thanking you,
Yours truly,


Dr. Mrs. K. S. Shaikh
Training & Placement In-charge



Dr. P. D. Chaudhari
Principal
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

STRIVING TOWARDS EXCELLENCE FOREVER



Modern College of Pharmacy's Career Path 2021-2022

Name of session: **Technical skills(Pharmacovigilance)** training program

Organized by: PES Modern College of Pharmacy, Nigdi

Date: 20th January 2022 to 22nd January 2022

Class of students: Third Year B Pharmacy and Final Year B Pharmacy

Summary report

Training and Placement cell of PES Modern College of Pharmacy, Nigdi, organized three days online technical skills(Pharmacovigilance) training program in Collaboration with **Global Talent Track and Barclays** from 20th January 2022 to 22nd January 2022 by Mr. Hariharan Swamy certified trainer for PV and Ms. Shweta Kendra Hr. The session started with virtual welcome and a brief introduction of the guest. Both the guest updated students regarding pharmacovigilance and gave them the future aspects. The speakers discussed about the various terminology used in Pharmacovigilance like ADR,REPORT etc. The students were explained about different career opportunities in Pharmacovigilance and what is the criteria in the selection process during Pharmacovigilance interview process. The session ended with question and answer. Total 130 students attended the webinar.

Phaith



[Signature]
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

[Signature]
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



P. E. Society's
Modern College of Pharmacy, Nigdi, Pune.
Academic Year 2021-22

Date: 23/03/22


Training and Placement Cell
Notice


All the students of T.Y.B.Pharm and M.Pharm Sem-IV are hereby instructed to attend the **Barclay's Soft Skills Development Program** from 24th March 2022 to 26th March 2022.


Venue: Seminar hall.

Time: 9:00 am to 5:00 pm

Note: Attendance is compulsory. Session wise monitoring of attendance will be done.


Dr. Ms. K. S. Shaikh
Training and Placement Cell




Dr. P. D. Chaudhari
Principal

Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.




Date- 23/3/22

To,
The Principal,
Modern College of Pharmacy,
Nigdi.

Subject- Training and Placement cell Requisition form

Respected Sir,
As we have organized 3 days Barclays soft skill development program for our B.Pharm /M.Pharm students from 24th march 2022 to 26th march 2022.
We will require following things-

| Sr. no. | Particulars | No. |
|---------|---------------------|-----------|
| 1 | Seminar hall | 01 |
| 2 | Audio visual System | 01 |
| 3 | Breakfast and Lunch | 01*3 days |
| 4 | Small Water bottles | 20 |


Dr. Ms. K. S. Shaikh
Training and Placement Cell




Dr. P. D. Chaudhari
Principal

Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



| Attendance Form | | | | |
|-----------------|-----------------------------|----------------|---------------|-----------|
| Sr. No. | Name | Contact Number | Qualification | Signature |
| 1 | Akshay Doo | 7666472433 | T.Y.B.Pharm | |
| 2 | Rohit Choudhary | 7517517775 | T.Y.B.Pharm | |
| 3 | Ajay Dhapate | 8830061031 | T.Y.B.Pharm | |
| 4 | Abhishek Maskare | 9765660167 | T.Y.B.Pharm | |
| 5 | Waghmare Nikhil Binodra | 8767547394 | T.Y.B.Pharm | |
| 6 | Sarvade Ajinkya Anil | 7385265320 | T.Y.B.Pharm | |
| 7 | Kalsait Omkar Harishchandra | 7030992877 | S.Y.M.Pharm. | |
| 8 | Harshad Ashok Bhokare | 7887515591 | T.Y.B.Pharm | |
| 9 | Chiranjit Gaufam Anand | 9824072516 | T.Y.B.Pharm | |
| 10 | Pranav Gaufam Anand | 7467957222 | T.Y.B.Pharm | |
| 11 | Dnyaneshwar Bembde | 8554818969 | T.Y.B.Pharm | |
| 12 | Abhishek Mox | 9175962360 | T.Y.B.Pharm | |
| 13 | Siddharth Gokulwad | 8888348304 | T.Y.B.Pharm | |
| 14 | Ajinkya P. Gaike | 8459978467 | T.Y.B.Pharm | |
| 15 | Gavali Kartik R. | 9175941327 | T.Y.B.Pharm | |
| 16 | Chavhan Ankush L. | 7776868312 | T.Y.B.Pharm | |
| 17 | Mahesh Tekamule | 9604422031 | T.Y.B.Pharm | |
| 18 | Varun Phadham | 9075776329 | T.Y.B.Pharm | |
| 19 | Tupe somodhan | 7620110355 | T.Y.B.Pharm | |
| 20 | Sauve Pooja | 7057779816 | T.Y.B.Pharm | |
| 21 | Shrinath Waghmare | 9579397840 | T.Y.B.Pharm | |
| 22 | Lalit Sargare | 9552012054 | T.Y.B.Pharm | |
| 23 | Shivhar Shete | 9579283078 | T.Y.B.Pharm | |
| 24 | Ashish Shinde | 8459362782 | T.Y.B.Pharm | |
| 25 | Samath Shinde | 990869931 | T.Y.B.Pharm | |
| 26 | Nawal Ched | 776981444 | T.Y.B.Pharm | |
| 27 | Tanmay Satkar | 9604743747 | T.Y.B.Pharm | |
| 28 | Niranjan Rajput | 8080095459 | T.Y.B.Pharm | |
| 29 | Vikas Kumbhkar | 7218167133 | T.Y.B.Pharm | |
| 30 | Gaurav Kharabi | 9075933549 | T.Y.B.Pharm | |
| 31 | Shruti Bajare | 9960717696 | T.Y.B.Pharm | |
| 32 | Shravan Agalave | 8080006240 | T.Y.B.Pharm | |
| 33 | Mohini Thite | 9075912050 | T.Y.B.Pharm | |
| 34 | Bhagwati Shale | 8624097469 | T.Y.B.Pharm | |
| 35 | Kartik Yerkute | 9156715831 | T.Y.B.Pharm | |
| 36 | Rameshwar Bhalke | 7821896092 | T.Y.B.Pharm | |
| 37 | Radhe Prathamesh | 7218667113 | T.Y.B.Pharm | |
| 38 | Arbhar Rahul Balasubrah | 9049441802 | T.Y.B.Pharm | |
| 39 | Devesh Chavhan | 7218050249 | T.Y.B.Pharm | |
| 40 | Sorvebh Yeole | 8263859208 | T.Y.B.Pharm | |
| 41 | Niranjan Kharane | 7350552363 | T.Y.B.Pharm | |
| 42 | Harshika Waghmare | 7517517775 | T.Y.B.Pharm | |
| 43 | Shital Susar | 9075912050 | T.Y.B.Pharm | |



Principal
P.E.S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Attendance Form

| Sr. No. | Name | Contact Number | Qualification | Signature |
|---------|-------------------------|----------------|---------------|------------|
| 44 | Harshali Vilas Sonawane | 9307922600 | B. Pharm | Sonawane |
| 45 | Shinde Uttara N. | 8483953431 | B. Pharm | Shinde |
| 46 | Shraddha . Shingade | 9561493563 | B. Pharm | Shraddha |
| 47 | Shete Priya | 7020862324 | B. Pharm | Shete |
| 48 | Maya Shweta Sanjay | 9373151601 | B. Pharm (TV) | Shweta |
| 49 | Chavan Anjaneshwarji | 7488880163 | B. Pharm | Chavan |
| 50 | Deshmukh Rutuja | 7796986224 | B. Pharm | Deshmukh |
| 51 | Mansi Zanwar | 7057630591 | T.Y.B. Pharm | Zanwar |
| 52 | Mayuri More | 8999494295 | T.Y.B. Pharm | More |
| 53 | Kolhane Shanti | 8936516612 | S.Y.M. Pharm | Kolhane |
| 54 | Dhane Yashika S. | 8830362887 | S.Y.M. Pharm | Dhane |
| 55 | Anjali . Wasule | 7149648525 | T.Y.B. Pharm | Anjali |
| 56 | Nikita . Salunke | 9011558104 | T.Y.B. Pharm | Nikita |
| 57 | Madhavi Vitharankar | 9370289748 | B. Pharm | Madhavi |
| 58 | Shweta Same | 9527679045 | T.Y.B. Pharm | Shweta |
| 59 | Utkarsha Patil | 7276721565 | T.Y.B. Pharm | Utkarsha |
| 60 | Vasundhara Patil | 8766990697 | T.Y.B. Pharm | Vasundhara |
| 61 | Shreemadhi Naik | 9146917337 | T.Y.B. Pharm | Shreemadhi |
| 62 | Sakshi Sunil Kudale | 9503009419 | T.Y.B. Pharm | Sakshi |
| 63 | Khumbhoj K. Chaudhary | 9370558427 | T.Y.B. Pharm | Khumbhoj |
| 64 | Ruchika . D. Gupta | 7559392250 | T.Y.B. Pharm | Ruchika |
| 65 | Vaishali . G. Chitla | 7744995230 | T.Y.B. Pharm | Vaishali |
| 66 | Chavan Pooja Ramrao | 8855071734 | T.Y.B. Pharm | Chavan |
| 67 | Shraddha Rout | 9097717071 | T.Y.B. Pharm | Shraddha |
| 68 | Priyanka Tandekar | 9657193996 | T.Y.B. Pharm | Priyanka |
| 69 | Aparna Patil | 6266221950 | T.Y.B. Pharm | Aparna |
| 70 | Sonali Nengule | 7721888529 | T.Y.B. Pharm | Sonali |
| 71 | Dhanashree Yadav | 8806621001 | T.Y.B. Pharm | Dhanashree |
| 72 | Snehal Parbhakar | 9175698405 | T.Y.B. Pharm | Snehal |
| 73 | Kadambhari Shinde | 7798818151 | T.Y.B. Pharm | Kadambhari |
| 74 | Nandha Shinde | 9284902271 | T.Y.B. Pharm | Nandha |
| 75 | Sampada Kulkarni | 7021110785 | T.Y.B. Pharm | Sampada |
| 76 | Tejasree S. Rane | 8830037577 | T.Y.B. Pharm | Tejasree |
| 77 | Kumbhar Nikhita | 9067610089 | T.Y.B. Pharm | Kumbhar |
| 78 | Snichti Jha | 9050358367 | T.Y.B. Pharm | Snichti |
| 79 | Jadhav Shraddha | 9666502248 | T.Y.B. Pharm | Jadhav |
| 80 | Manali Majumdar | 9284813189 | T.Y.B. Pharm | Manali |
| 81 | Banakar Truptee | 9067125493 | T.Y.B. Pharm | Banakar |
| 82 | More Rutuja | 8421459796 | T.Y.B. Pharm | More |
| 83 | Kondawar Pratibha | 9146553111 | T.Y.B. Pharm | Kondawar |
| 84 | Sampada Netane | 924280222 | M. Pharm (II) | Sampada |
| 85 | Tabassam K. Shaikh | 9050358365 | M. Pharm (II) | Tabassam |
| 86 | Tejmal V. Bansode | 9050358364 | M. Pharm (II) | Tejmal |
| 87 | Anuja . J. Gujar | 9050358363 | M. Pharm (II) | Anuja |
| 88 | Sneha . R. Shinde | 9050358362 | M. Pharm (II) | Sneha |



P. E. S. Modern College of Pharmacy
Sector No. 21, Talegaon, Nigdi,
Pune - 411044



P. E. Society's Modern College of Pharmacy, Nigdi, Pune.

Academic Year 2021-22

Training and Placement Cell Organizes
Barclay's Soft Skill Development Program

Attendance Sheet

Date: 24/3/22

Class: M.Pharm

Sem: IV

| Sr. no. | Name of student | Sign |
|---------|-----------------------------|--------------|
| 1. | Bhure Atka Ramesh | ABhure |
| 2. | Bansude Tejmal Vijay | T.V. Bansude |
| 3. | Sneha Rajendra Shinde | Sneha |
| 4. | Phone Yogita shivaji | Phone |
| 5. | Kolure Shruti Ramesh | Shruti |
| 6. | Gauri Pradeep shewade | Gauri |
| 7. | Kotkar Ashwini Chitragad | Ashwini |
| 8. | Kotwal Sneha Udayrao | Kotwal |
| 9. | Mahale Ritu Rajendra | Ritu |
| 10. | Ingole Boja Nana | Ingole |
| 11. | Yashashri Rajabhai Holambe | Yashashri |
| 12. | Anuja Jaykumar Gujar | Anuja |
| 13. | Sampada Subhash Netane | Sampada |
| 14. | Shreikh Tabassum Khaju | Shreikh |
| 15. | Bhavad Deepak Rammath | Bhavad |
| 16. | Kalsait Omkar Harishchandra | Kalsait |
| 17. | Navale Ashwini Bhonsaheb | Navale |
| 18. | Satpute Laxaj Bhivraj | Satpute |
| 19. | Yedake Udaya Bhaskar | Yedake |
| 20. | Raksha Krishnarej Rao | Raksha |
| 21. | Sanket Bharat Bhadange | Sanket |


Dr. Ms. K. S. Shaikh
Training and Placement Cell


Mr. Devendra Visokar
Training and Placement Cell



Principal
P. E. S. Modern College of Pharmacy
Sector No 21, Yamunanagar, Nigdi,
Pune - 411 044.



 **Progressive Education Society's**
MODERN COLLEGE OF PHARMACY
Accredited by NAAC & NBA (B.Pharm. 2019 to June 2022)
'Best College Award' by Savitribai Phule Pune University



Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently affiliated to
Savitribai Phule Pune University, Pune & Approved under Section (2 (f) & 12 (B) of UGC Act, 1956

Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044. (M.S.) Tel. : 020-27661314 / 15
E-mail : mcpnigdi44@gmail.com Website : www.mcop.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. Gajanan R. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council
P.E. Society, Pune

Ref : MCoP/TL/2021-22/434 Date : 26/3/22

To,
Mr. Tariq Shaikh,
HR Global Talent Track Foundation,
Pune-30


Dear Sir,


It was a great pleasure for us to welcome you for Soft skill development training program at our institute. The interaction that the students had with you has really boosted their morale and it will surely help them to excel.


We thank you for spending your valuable time with us and training our students and giving them chance to build up their career.

We look forward for your continuous association in future.

Thanking you,
Yours truly,


Dr. Mrs. K. S. Shaikh
Training & Placement In-charge


Dr. P. D. Chaudhari
Principal



P.E.S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

Received a copy for Tariq Shaikh.
Imran Shaikh
Trainer

STRIVING TOWARDS EXCELLENCE FOREVER



P. E. Society's

Modern College of Pharmacy, Nigdi, Pune.

Training and Placement Cell

FEEDBACK FORM

Dear Sir/ Madam,

We are highly obliged that you spared your valuable time for interacting with our students. We welcome your feedback about our students and our college in the following format. The inputs that you provide are a crucial element in the institute's quality assurance system. Please tick in the appropriate column

| QUALITY PARAMETER | Outstanding | Very Good | Good | Acceptable |
|---|-------------|-----------|------|------------|
| 1. Quality of students (technical knowledge, communication skills etc.) | | | ✓ | |
| 2. Response by students | | | ✓ | |
| 3. Hospitality offered by college | | ✓ | | |

Any other suggestions/ comments:

Sessions on Communication building can be conducted for enhancing skillset

Name: Inuan

Signature: Dip

Date: 26/3/22




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

Thank you for filling out the form!!!!



Workshop Report

Name of workshop: **Soft Skills and Communication**

Organized by: PES, Modern College of Pharmacy, Nigdi.

Name of company: **Barclays Global Talent Track.**

Date of interview: 24/3/22 to 26/3/22

Class of students: T.Y B.Pharm and M.Pharm final year

Summary

Training and Placement Cell of PES, Modern College of Pharmacy, Nigdi, organized Barclay's soft skill development program from 24th March 2022 to 26th March 2022. Mr. Tariq Shaikh, HR Global Talent Track Foundation conducted 3 days workshop for aspirants. Total 24 hours of high impact workshop on Soft Skills and Communication was conducted by expert from the corporate with immense relevant industry experience. Workshop was conducted from 9:00 am to 5:00 pm for 3 days.

A customized Program on topics that range from Soft Skills to communication to Aptitude training was covered for students. Mr. Tariq Shaikh on day-1 had training on Interview Skills which covered building online Image, Self-Awareness, Grooming, Body Language, Confidence, Interview FAQs, Resume, Rejections.

Day-2 covered, Corporate Readiness contains values in a corporate environment, Ownership, Respect, Teamwork, Auto-didacticism, Flexibility, Time Management, Stress Management, Positive Attitude, LinkedIn (Profile Management). Day-3 extended on Mock Interviews & Group Discussions. Total 105 students got benefited from this training program.



P. E. S. Modern College of Pharmacy
Sector No. 21, Yamunanagar, Nigdi,
Pune - 411 044





2022-2023

P. E. Society's
Modern College of Pharmacy, Nigdi, Pune.
Academic Year 2022-23

Date: 23/11/22

Training and Placement Cell
Notice

All the students of Final Y B.Pharm and M.Pharm (Ist and IInd Yr) are hereby informed that three days Barclay's soft skill development program in collaboration with GTT foundation has been organized from 28th Nov 22 to 30th Nov 22 from 10:00 am to 5:00 pm at seminar hall.

Topic: Group discussion, Aptitude test and Personal interview.

Note: Attendance will be noted of each student.


Dr. K. S. Shaikh
Training and Placement Cell


Dr. P. D. Chaudhari
Principal



Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



**P. E. Society's
Modern College of Pharmacy, Nigdi, Pune.**

Academic Year 2022-23

Training and Placement Cell Organized
Barclay's Soft Skill Development Program
Attendance Sheet

28/11/22
Date: (Whatsapp)
contact No sign

| Sr.no. | Name of student | Sign- |
|--------|-------------------------------|------------|
| 1. | Neta Kishor Pandit | 8669746620 |
| 2. | Shraddha Anil Athirao | 7387715444 |
| 3. | Kavezi Uddhav Granjure | 9637153227 |
| 4. | Yashavi Vijay Patil | 7387196765 |
| 5. | Shreuti Sanjay Bajare | 9960717696 |
| 6. | Shivani Appasaheb Dighe | 9807859280 |
| 7. | Pooja Bandappa Wadgave | 8552919534 |
| 8. | Veushali Dattotraya Kharate | 9284346317 |
| 9. | Manisha Sanjay Salunkhe | 9112409058 |
| 10. | Dipali Sanjay Thete | 9766987206 |
| 11. | Priyanka Ganesh Bambale | 7517210785 |
| 12. | Samiksha Surendra Agarkar | 9011713973 |
| 13. | Chopade Dnyaneshwari Ravindra | 8420329818 |
| 14. | Geeta Anil Anawade | 9049104869 |
| 15. | Mayar Vaishnavi Sanjay | 9156929317 |
| 16. | Waghmare Pradya Sanjay | 7028609467 |
| 17. | Mayabare Radhika Somnath | 9561032418 |
| 18. | Shinde Namrata Harisingh | 9860892624 |
| 19. | Suryawanshi Mayuri Bhokal | 9096905227 |
| 20. | Biradar Shilpa Sanjaykumar | 9011055476 |
| 21. | Tidake Yashoda Nagnath | 9422155924 |
| 22. | Mahomgale Aishwarya Shivaji | 9421258224 |
| 23. | Mahajan Gaurav Anur | 9503701928 |
| 24. | Katkar Dhanashree Vikram | 7768053933 |
| 25. | Bhandare Pranali Anandras | 9172451388 |
| | | 9403141954 |



Dr. Ms. K. S. Shaikh
Training and Placement Cell

Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



P. E. Society's
Modern College of Pharmacy, Nigdi, Pune.
Academic Year 2022-23
 Training and Placement Cell Organized
Barclay's Soft Skill Development Program
Attendance Sheet

Date: 28/11/22

| Sr. no. | Name of student | Contact no. | Sign |
|---------|---------------------------|-------------|------|
| 26 | *Pawade Kajal Sunil | 8379973694 | |
| 27 | Shinde Surabhi Shivaji | 8390289174 | |
| 28 | Pawar Nikita Gangaram | 8746214218 | |
| 29 | Amritkar Atanasha Praveen | 8605627151 | |
| 30 | Hajare Pratiksha Kantilal | 9067517372 | |
| 31 | Ankita Pradeep Patil | 7972784499 | |
| 32 | Pradya Ankush Khelbade | 9405492077 | |
| 33 | Pranjata Dilip Tambe | 7498705018 | |
| 34 | Gayatri Jaising Gadekar | 7218668191 | |
| 35 | Vanita Bhurkonde | 737967407 | |
| 36 | Harshadi Vilas Sonawane | 9307922600 | |
| 37 | Shinde Utkaesha Namdevaas | 8483953431 | |
| 38 | Chavan Dnyaneshwari Dasu | 7499830153 | |
| 39 | Deshmukh Rutuja Vinthal | 7796886224 | |
| 40 | Anjali R. Wasale | 7499648523 | |
| 41 | Priyanka P. Tandalekar | 9657193996 | |
| 42 | Nikita G. Pawar | 8208038460 | |
| 43 | Nengule Sonali | 7721888524 | |
| 44 | Apasra Patil | 6266221750 | |
| 45 | Manali Majgaonkar | 9284813189 | |
| 46 | Snishhi Jha | 8080358367 | |
| 47 | Shweta Nigh | 9373151601 | |
| 48 | Dhanashree Nihar Yadav | 8806621001 | |
| 49 | Suryawanshi Pratiksha .M | 7219588293 | |



Dr. K. S. Shaikh
 Training and Placement Cell

Principal
 P. E. S. Modern College of Pharmacy
 Sector No.21, Yamunanagar, Nigdi,
 Pune - 411 044.



B. Pharma

P. E. Society's
Modern College of Pharmacy, Nigdi, Pune.

Academic Year 2022-23

Training and Placement Cell Organized
Barclay's Soft Skill Development Program

Attendance Sheet

Date: 29/11/22

| Sr. no. | Name of student | Contact no. | Sign |
|---------|----------------------------|-------------|-------------|
| 1 | Anjali R. Wasale | 7499648525 | Anjali |
| 2 | Samadhan Tupe | 7620110355 | Samadhan |
| 3 | Gavali Komik | 9174941325 | Gavali |
| 4 | Dipak Deshpande | 9834202516 | Dipak |
| 5 | Waghire Nikhil Binodra | 8767547394 | Waghire |
| 6 | Shraddha Raut | 9097717071 | Shraddha |
| 7 | Ajinkya Saurve | 8459978457 | APS |
| 8 | Nikita Salunke | 9011558104 | Nika |
| 9 | Sarvesh Yeole | 7263889808 | Sarvesh |
| 10 | Mansi Zanwar | 7058630591 | Mansi |
| 11 | Saurav Pawde | 7057779816 | Saurav |
| 12 | Lalit Sargan | 9552012054 | Lalit |
| 13 | Deven UKinde | 9139311993 | Deven |
| 14 | Ajinkya Aril Samvale | 7385265720 | Ajinkya |
| 15 | Varun Phubham | 907576329 | Varun |
| 16 | Ankate Rahul Baisurheb | 9049441602 | Ankate |
| 17 | Hemal Bhargava | 9604416250 | Hemal |
| 18 | Badhe Prathamesh | 7218661713 | Badhe |
| 19 | Dnyaneshwar Bembde | 8554818269 | Dnyaneshwar |
| 20 | Panhalkar Snehil Babasaheb | 9175692405 | Panhalkar |
| 21 | Ashish Shinde | 8459262382 | Ashish |
| 22 | Koralk Venkure | 9156715821 | Koralk |
| 23 | Shrinath Waghmare | 9539397840 | Shrinath |
| 24 | Rameshwar Bhalke | 9011317465 | Rameshwar |
| 25 | Tanmay Sattkar | 9604243742 | Tanmay |



Dr. K. S. Shaikh
Training and Placement Cell

Principal
P.E.S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



M Pharm

P. E. Society's
Modern College of Pharmacy, Nigdi, Pune.

Academic Year 2022-23

Training and Placement Cell Organized
Barclay's Soft Skill Development Program
Attendance Sheet

Date: 30/11/22

| Sr. no. | Name of student | Contact no. | Sign |
|---------|----------------------------|-------------|-------------|
| 1. | Kadhika somnath Vyavahare | 9961032418 | Kadhika |
| 2. | Suryawanshi Mayuri B. | 9096906227 | Suryawanshi |
| 3. | Rushikesh Nitha Nilcalje | 9923709760 | Rushikesh |
| 4. | Mayuri kashinath Auti | 9284391836 | Mayuri |
| 5. | Pierana Gunesh Bamruti | 7517210785 | Pierana |
| 6. | There nipati sanjay | 9766987206 | There |
| 7. | Samiksha Surendra Agarwal | 9011713973 | Samiksha |
| 8. | Pratiksha M. suryawanshi | 7219588293 | Pratiksha |
| 9. | Tidake Yashoda Navnath | 9421258224 | Tidake |
| 10. | Biradar shilpa sanjaykumar | 9422155924 | Biradar |
| 11. | Mahajan Gaurav Anur | 7768053933 | Mahajan |
| 12. | Phalke Tushar M. | 7088806395 | Phalke |
| 13. | Aishwarya Mahangade | 9503701928 | Aishwarya |
| 14. | Abhijeet Ghalap | 9518987496 | Abhijeet |
| 15. | Ankita Patil | 7972784499 | Ankita |
| 16. | Shivam Chaudhari | 9156857317 | Shivam |
| 17. | Sahil Pawande | 8208285743 | Sahil |
| 18. | Surabhi Shinde | 8390289174 | Surabhi |
| 19. | Pranali Abhandare | 9403141954 | Pranali |
| 20. | Sanket Shirsalkar | 7057101294 | Sanket |
| 21. | Aswasi Shinde | 7218326627 | Aswasi |
| 22. | Vinod Gaikwad | 9960222683 | Vinod |
| 23. | Gayatri Gadekar | 7218668191 | Gayatri |
| 24. | Pradnya Anand Kharbude | 9405492077 | Pradnya |
| 25. | Jadhav Sidheshwar L. | 7745048257 | Jadhav |



Dr. K. S. Shukla
Training and Placement Cell

Principal

P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

M Pharm

P. E. Society's
Modern College of Pharmacy, Nigdi, Pune.

Academic Year 2022-23
Training and Placement Cell Organized
Barclay's Soft Skill Development Program
Attendance Sheet

Date: 30/11/22

[illegible]

Dr. K. S. Shuikh

Training and Placement Cell

Principal

P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 001



P. E. Society's
Modern College of Pharmacy, Nigdi, Pune - 411044
Barclay's soft skill development program in collaboration with GTT foundation

DETAILS OF GUEST

Name of company: Barclay's in collaboration with GTT foundation

Date of Program: 28th Nov to 30th Nov 2022

Class of students: B.Pharm final year and M.Pharm

| Sr. No. | Name | Designation | E-mail | Contact No. | Signature |
|---------|--------------------------------|-------------|--------------------------------|-------------|-----------|
| 1. | Mrs. SHILPA DATTATRAY KHUNE | TRAINER | DIVYASHILPA2475@ GMAIL.COM. | 9326092166 | |
| | | | | | |
| | | | | | |
| | | | | | |

Dr. K. S. Shaikh
(Training and Placement Incharge)



Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Progressive Education Society's
MODERN COLLEGE OF PHARMACY

Accredited by NAAC & NBA (B.Pharm. 2019 to June 2022)

'Best College Award' by Savitribai Phule Pune University



Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently affiliated to
Savitribai Phule Pune University, Pune & Approved under Section (2 (f) & 12 (B) of UGC Act, 1956

Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044. (M.S.) Tel. : 020-27661314 / 15

E-mail : mcpnigdi44@gmail.com Website : www.mcop.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. Gajanan R. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council
P.E.Society, Pune

Ref: MCoP / TL / 2022-23 / 184

Date: 30/11/2022

To,

Mrs. Shilpa Khune,
Global Talent Track Foundation,
Pune-30

Dear Sir,

It was a great pleasure for us to welcome you for Soft skill development training program at our institute. The interaction that the students had with you has really boosted their morale and it will surely help them to excel.

We thank you for spending your valuable time with us and training our students and giving them chance to build up their career.

We look forward for your continuous association in future.

Thanking you,

Yours truly,

Dr. K. S. Shaikh
Training & Placement In-charge



Dr. P. D. Chaudhari
Principal

Recd with thanks

Shilpa Khune
30/11/2022

P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Workshop Report

Name of workshop: Soft Skills and Communication

Organized by: PES, Modern College of Pharmacy, Nigdi.

Name of company: Barclays Global Talent Track.

Date of interview: 28/11/22 to 30/11/22

Class of students: Final Year B.Pharm, M.Pharm final year

Summary


Training and Placement Cell of PES, Modern College of Pharmacy, Nigdi, organized Barclay's soft skill development program from 28th November 2022 to 30th November 2022. Mrs. Shilpa Khune, Global Talent Track Foundation conducted 3 days workshop for aspirants. Total 24 hours of high impact workshop on Soft Skills and Communication was conducted by expert from the corporate with immense relevant industry experience. Workshop was conducted from 10:00 am to 5:00 pm for 3 days.

A customized Program on topics that range from Soft Skills to communication to Aptitude training was covered for students. Mrs. Shilpa Khune on day-1 had training on personality development which covered various activities, Pre assessment, building Self-Awareness.

Day-2 covered Group Discussions, Corporate Readiness contains values in a corporate environment, post assessment, debate. Teamwork, Flexibility, Time Management.

Day-3 extended on Mock Interviews, stress management, positive attitude & personal interview which covered building Online Image, Self-Awareness, Grooming, Body Language, Confidence, Interview FAQs, Resume, Rejections. Total 85 students got benefited from this training program.




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

Photos of event

Training and Placement Cell
Dr. K. S. Shaikh



Principal
Dr. P. D. Chaudhari

Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



MOU with Anasyn Lab Private Limited, Tathwade, Pune

Summary of activities under MOU

| Sr no | Academic Year | Name of Activity | No of beneficiaries | Start Date | End Date |
|-------|---------------------------|------------------|---------------------|------------|------------|
| 1 | 2021-2022 | Industrial Visit | 15 | 14/05/2022 | 14/05/2022 |



ANASYN LAB PRIVATE LIMITED

Shop No. 8, Sr. No. 129/28/1, Jivan Nagar Behind Chowgule Industries,
Near S. G. Hostel, Tathawade, Pune-411033, Maharashtra, India

generate knowledge, skill and research based human resources for the healthcare industry. Having vast experience in Multinational Pharmaceutical industry focused on Drug Discovery, Drug Development and Drug Delivery area.

Anasyn Labs Pvt. Ltd. R & D facility is spread over 1000sq.ft. area at Tathawade Pune and having adequate equipment and instruments to carry out training and research Projects.

Anasyn Labs Pvt. Ltd. is a product & Service based organization supporting the global Healthcare Industry to improve quality of life.

Anasyn Labs Pvt. Ltd. also offers services like custom synthesis, CRAMS, analytical services and Training and Consultancy.

GOALS AND OBJECTIVES

Whereas the FIRST PARTY is engaged in teaching and research in Pharmaceutical Science,

Whereas the SECOND PARTY is AnaSyn Laboratory Private Limited. This lab is research and value driven organization that was founded by Dr. Ashok B. Pathak in 2021 with a vision to fulfill the unmet medical need, to access existing medicine at an affordable price and to generate knowledge, skill and research based human resources for the healthcare sector. AnaSyn lab is a product & service-based organization supporting the global healthcare industry to improve quality of life.


The FIRST PARTY and the SECOND PARTY have agreed to hire the services and facilities available with FIRST PARTY and SECOND PARTY to take up joint Research and Development (R & D) projects and training modules.

The SECOND PARTY has agreed to share their expertise and facilities with the students and faculty of FIRST PARTY. The SECOND PARTY has also agreed to allow the hands-on training and industrial projects to the Undergraduate and Post graduate students of FIRST PARTY and support the training and placements activities of FIRST PARTY.

Both the parties have agreed to work on the following areas of mutual interest such as-

- Synthesis, Purification and Characterization of Organic compounds for research and training purposes
- Industrial Visits




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



ANASYN LAB PRIVATE LIMITED

Shop No. 8, Sr. No. 129/2B/1, Jivan Nagar Behind Chowgule Industries,
Near S. G. Hostel, Tathawade, Pune-411033, Maharashtra, India

- Hands on training
- Scientific sessions
- M. Pharm and Ph.D. students' projects

Now this deed of MOU is agreed by and between the parties under following terms and condition for 5 Years from the date of Signature. (15/07/2021 to 14/07/2026)

TERMS AND CONDITIONS:

- a) The laboratory work and special lectures of the modules/courses of **BOTH PARTIES** will be taken up at the premises of **BOTH THE PARTIES** as per the program of work mutually agreed upon.
- b) The **SECOND PARTY** shall provide required materials such as chemicals, solvents and others for the purpose of study along with the relevant data on such materials.
- c) **BOTH THE PARTY** may allot such joint projects to M. Pharm or Ph.D. students with the help of the staff and students of their organization. The required equipment for carrying out the R & D activity other than those available with **FIRST PARTY** and are to be made available by **SECOND PARTY and Vice Versa** or suitable assistance shall be borne by the **BOTH THE PARTIES** for getting such work done.
- d) The funds for such R & D work shall be obtained through respective research councils by individual/joint application of research proposals and shall be used to support mutually agreed projects activities.
- e) The faculty, students and employees from both parties can freely interact on the joint research project. The faculty and the students can share the Laboratory and Instrumental facilities for smooth functioning of the project.
- f) The findings of the research work shall be published or patent jointly by the parties.



Page 3 of 4

Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.




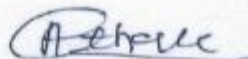
ANASYN LAB PRIVATE LIMITED

Shop No. 8, Sr. No. 129/28/1, Jivan Nagar Behind Chowgule Industries,
Near S. G. Hostel, Tathawade, Pune-411033, Maharashtra, India

- g) If the results of this joint project can attract commercial utilization, then the financial benefit shall be shared between the two parties equally or through any mutually agreed arrangements.
- h) All joint projects shall be reviewed every six months by joint committee appointed for the purpose by the two institutes in order to advice on the future course of each project. Collaborating researchers from both sides are expected to make presentations at such meeting along with submitting a summarized account of the work carried out for that period. The joint committee is also entrusted with the responsibility of suggesting any remedial measures for ensuring success of each project.
- i) Any dispute arising shall be settled through mutual negotiations only without recourse to resolving the dispute by legal means.

Signed on – 15/07/2021


Dr. P. D. Chaudhary
Principal
P. E. S. Modern College of Pharmacy
P. E. S. Modern College of Pharmacy, Nigdi, Pune
Pune - 411 044


Dr. Ashok B. Pathak
Director

AnaSyn Lab Pvt Ltd, Tathawade, Pune





Progressive Education Society's
MODERN COLLEGE OF PHARMACY

Accredited by NAAC & NBA
DST FIST Funded College

'Best College Award' by Savitribai Phule Pune University



Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently affiliated to
Savitribai Phule Pune University, Pune & Approved under Section (2 (f) & 12 (B) of UGC Act, 1956

Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044. (M.S.) Tel. : 020-27661314 / 15

E-mail : mcpnigdi44@gmail.com Website : www.mcop.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. Gajanan R. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council
P.E. Society, Pune

Ref :

Date : 07/06/2023

Summary of Activity done under MOU Year wise

Name of concern Industry: Anasyn Lab Private Limited, Tathwade, Pune

Date of MOU: 15/07/2021 to 14/07/2026

Validity Period of MOU: 05 Years

| Sr no | Academic Year | Name of Activity | No of beneficiaries | Start Date | End Date |
|-------|---------------|------------------|---------------------|------------|------------|
| 1 | 2021-2022 | Industrial Visit | 15 | 14/05/2022 | 14/05/2022 |

Dr. Pravin D. Chaudhari
Principal and Professor

MoU Incharge
Anasyn Lab Private Limited, Tathwade, Pune



STRIVING TOWARDS EXCELLENCE FOREVER



2021-2022

**P. E. Society's
Modern College of Pharmacy Nigdi-44**

Industry Visit 2021-22

Notice

Date: 13/05/2022

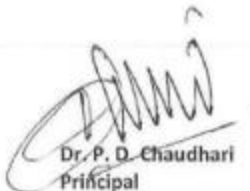
All Teaching faculty, Non-teaching staff and students of M Pharm are hereby informed that, our college has organize one day hands on training and industry visit for M. Pharm students, the details of visit are as follows

Name of Place : Anasyn Lab Private Limited Tathwade Pune

Name of class : M. Pharm


Date: 14/05/2022 (saturday)

Time for departure from college: 10:00 am


Dr. P. D. Chaudhari
Principal



Principal
Copy to
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044
1. **Academic section**
2. **Class teachers**


Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



P. E. Society's
Modern College of Pharmacy Nigdi-44

Office Order

Date: 06/05/2022

Following Teaching faculty informed that, our college has organized industrial visit for **M.Pharmacy Chemistry branch** on Saturday 14/05/2022. I am deputing to following teaching faculty for smoothly conducting the all activities.

| Sr no | Name of faculty | Signature of faculty |
|-------|--------------------------------|----------------------|
| 1 | Dr.V.V.Chopade | |
| 2 | Asst.Prof.Mrs.Rupali Jinturkar | |
| 3 | Asst.Prof.Devendra Visokar | |

Responsibilities

1. You must reach at college on 6 am, no reason will entertained like Bus late, Auto late, vehicle puncher or any other
2. You must come at trip with all requirements.
3. You will be responsible for smoothly conducting all activities as per plan
4. You are responsible/should take care of all students
5. You should not leave trip site
6. You should involve with students in all activities
7. You should follow all above instructions very strictly given by Principal
8. If you are not follow instructions given by principal, very strict action will be taken against you



Dr. P. D. Chaudhari
(Principal)

Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Progressive Education Society's
MODERN COLLEGE OF PHARMACY

Accredited by 'NAAC'

'Best College Award' by Savitribai Phule Pune University



Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently affiliated to
Savitribai Phule Pune University, Pune & Approved under Section (2 (f) & 12 (B) of UGC Act, 1956)

Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044. (M.S.) Tel. : 020-27861315 Fax : 020-27661314

E-mail : mcpnigdi44@gmail.com Website : www.mcp.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. Gajanan R. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council
P.E. Society, Pune

Ref. :

Date :

To
The Director/Manager
Anasyn Lab Private Limited Tathwade
Pune.

Dear Sir,

We are thankful to you for accepted our request for one day hands on training and industry visit to our M Pharm students and faculty members

It was a great pleasure for us to have provided the real insight of working procedure of your esteemed organization for our M. Pharm

We again thank you for sparing your valuable time with us. We are sure that you will always be there to help us at every critical turn and we look forward to continuous association with you in future.

Thanking You.

Yours truly,

Dr. P. D. Chaudhari
Principal

Principal

P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



RECEIVED
P.E.S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044

STRIVING TOWARDS EXCELLENCE FOREVER



PES Modern College of Pharmacy,
Nigdi, Pune-44

Attendance of students for Industry Visit

Venue: Anasyn Lab Private Limited Tathwade Pune

Class: M Pharm and Faculty

Date of visit: 14/05/2022

| Sr. No | Name of Students | Signature |
|--------|-----------------------------------|-----------|
| 1. | ANAWADE GEETA ANIL | |
| 2. | GAIKWAD RUTUJA UDHAV | |
| 3. | GAIKWAD SHRADDHA PRAKASHRAO | |
| 4. | GAWANDE SAHIL SHYAM | |
| 5. | KAMBALE VIRENDRAKUMAR MADHUKAR | |
| 6. | MAGAR VAISHNAVI SANJAY | |
| 7. | RASHINKAR SNEHA NANDKUMAR | |
| 8. | SHINDE NAMRATA NARSINGRAO | |
| 9. | SHIRSATH SANKET RAJENDRA | |
| 10. | SURYAWANSHI MAYURI BHARAT | |
| 11. | VYAVAHARE RADHIKA SOMNATH | |
| 12. | BHABAD DEEPAK RAMNATH | |
| 13. | SANKET BHATSHANKAR | |
| 14. | Dipali sanjay Thete | |
| 15. | Pooja Bandappa Wadgave | |

Dr. V. V. Chopade
Industry visit incharge

Prof D. L. Visokar
T & P officer

Dr. P. D. Chaudhari
Principal
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



P.E.Society's
Modern College of Pharmacy, Nigdi. Pune-44

REPORT OF ACTIVITY 2021-22

| | |
|-------------------------------|---|
| Name of activity: | Industrial visit for B. Pharm students |
| Name of Industry | Anasyn Lab Pvt Ltd, Near S. G. Hostel, Tathawade, Pune 411033 |
| Date of activity | 14/05/2022 (Saturday) |
| Total no students participate | 15 |
| Occasion of activity | Industry Academic Interaction |
| Place of Visit | Production facility unit of Omni Protech Drugs Pvt Ltd |
| Objectives of activity | To get current knowledge about working procedure of Pharmaceutical Synthetic pathways To understand the importance of accuracy during experiments To learn the standard operating procedures and working of various equipments used in chemical synthesis industry. |
| Training Given by | Dr. Ashok B. Pathak, Director, Anasyn Lab Pvt Ltd |
| Name of faculty with students | Dr. Amit Tapkir, Asst. Prof. Devendra Visokar, Asst. Prof. Prashant Pawar, Asst. Prof. Tushar Khade |
| Activity co-ordinator | :Dr. Vitthal V Chopade and Asst. Prof. Devendra Visokar |



Principal

P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044



MOU with BioRadius Therapeutic Research Pvt Ltd, Hinjawadi, Pune

Summary of activities under MOU

| Sr no | Academic Year | Name of Activity | No of beneficiaries | Start Date | End Date |
|-------|---------------------------|------------------|---------------------|------------|------------|
| 1 | 2022-2023 | Industrial Visit | 44 | 06/12/2022 | 06/12/2022 |



ANASYN LAB PRIVATE LIMITED

Shop No. B, Sr. No. 129/2B/1, Jivan Nagar Behind Chowgule Industries,
Near S. G. Hostel, Tathawade, Pune-411033, Maharashtra, India

Industrial Visit certificate

To whom so ever concern

This is to certify that Students of M. Pharm Chemistry from Progressive education Society's Modern college of Pharmacy Nigdi Pune 44 had visited our Synthesis Laboratory facility 14th May 2022. During the Laboratory facility visit we had given them information about entire facility starting from basic synthetic techniques, Chromatographic Techniques, Basic Principles of chemical synthesis and modern synthetic techniques. We had given hands on training on sophisticated instruments used in Modern synthetic techniques. Total 20 students along with 3 teaching faculty members from College visited our synthetic facility of our organization.



Dr. Ashok B. Pathak (Director)

ANASYN LAB PVT LTD



[Signature]
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

CIN-U24299PN2021PTC202480
Phone- +91 9765698000

Web-<https://anasynlab.com>
Email ID- info@anasynlab.com



MEMORANDUM OF UNDERSTANDING

BETWEEN

Progressive Education Society's Modern College of Pharmacy Sector 21, Yamunanagar, Nigdi, Pune-411044, which is represented by its principal named Dr. Pravin D. Chaudhari here in named as party one

AND

BioRadius Therapeutic Research Private Limited, Indialand global Industrial Park, Phase I, Hinjawadi, Pune, Maharashtra 411057 here in named party two




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Page 1 of 5

BioRadius Therapeutic Research Pvt.Ltd.

IndiaLand Global Industrial Park, Plot No. - 8, S.No. 234, 235, 245, Hinjewadi Phase I,
Pune - 411057, Maharashtra, India. ☎ +91-9112126448 ✉ Contact@bioradiusro.com



THIS MEMORANDUM OF UNDERSTANDING IS MADE AT PUNE ON 15th JULY 2021

WHEREAS


The First Party is Educational Institute College named as above. First Party is the amongst the premium Pharmacy institutes imparting quality education in a sector of Pharmaceutical Sciences as well as carrying out research in Pharmaceutical Sciences. It is established in 1998 in Pimpri-Chinchwad industrial belt and run by Progressive Education Society Pune-5. It offers Undergraduate (B. Pharm.), Pharm D, Post graduate (M. Pharm) and Doctoral courses (Ph.D) in Pharmacy. All the courses are recognized by Pharmacy Council of India (PCI). Institute is affiliated to Savitribai Phule Pune University, Pune, Approved by All India Council for Technical Education (AICTE), Maharashtra State Board of Technical Education and also approved under 2(f) and 12 (B) of the UGC Act. With the relentless efforts of dedicated and competent faculty, up-dated curriculum, innovative methods of instructions top end infrastructure and sturdy support of management, it has emerged as a center of academic excellence and attracting students from all over India. Whereas the second party is also engaged in research in Pharmaceutical Sciences.

WHEREAS

Second Party is BioRadius Therapeutic Research Private Limited is a research-driven company, founded by two eminent researchers in the year 2018. BioRadius is founded with an aim to be at the centre of pharma research and at same time be able to extend its length and reach to any point of Healthcare Industry.

WHEREAS both the parties hereby covenant to adhere with following terms for entering into this Memorandum of Understanding:

- Both the parties shall maintain permanent channels of communication for exchange of information, facilities and research under Collaborative research projects, Industrial visit, Student Internship, Sharing expertise in Both ways, Demonstration of Equipment or new technology, Use of facilities at the end of both parties, Sharing library facilities, Seeking feedback on curriculum, co-curricular and extracurricular activities also involve in Co-organizing Seminar, Conferences and Workshops.


Principal
P.E.S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi
Pune - 411 044.



BioRadius Therapeutic Research Pvt.Ltd.
IndiaLand Global Industrial Park, Plot No. - 8, S.No. 234, 235, 245, Hinjewadi Phase I,
Pune - 411057, Maharashtra, India. ☎ +91-9112126448 ✉ Contact@bioradiuscro.com



- Both the parties shall explore possibilities of updating the respective information technology systems if required.

GOALS AND OBJECTIVES

Both the parties being in the field of imparting knowledge have agreed to collaborate to with following objects:

- The purpose of this MOU is to continue to develop and expand a framework of cooperation between the First Party and Second party to develop mutually beneficial research projects and professionally competent ethically sound, skilled pharmacist at par with global standards.
- Both the parties have agreed to work in the areas of mutual interest such as
 - ✓ Collaborative research projects
 - ✓ Industrial visit
 - ✓ Student internship
 - ✓ Sharing expertise in Both ways.
 - ✓ Demonstration of equipment or new technology
 - ✓ Use of facilities at the end of both parties
 - ✓ Sharing library facilities
 - ✓ Seeking feedback on curriculum, co-curricular and extracurricular activities
 - ✓ Co-organizing Seminar, Conferences and Workshops
- Recognizing the importance of institutes of higher education's role in promoting collaboration and increased contribution of social economic development.

NOW THEREFORE THIS MEMORANDUM OF UNDERSTANDING WITNESSE AS UNDER

1. Field of Co-Operation:

Co-operation between both the parties may be established within any field related to science and technology of mutual interest and in particular fields of Collaborative research projects, Industrial visit, Student Internship, Sharing expertise in Both ways, Demonstration of Equipment or new technology, Use of facilities at the end of both parties, Sharing library facilities, Seeking feedback on curriculum co-curricular and extracurricular activities as well as involve in Co-organizing Seminar, Conferences and Workshops.



BioRadius Therapeutic Research Pvt.Ltd

IndiaLand Global Industrial Park, Plot No. - 8, S.No. 234, 235, 245, Hinjewadi, Phase I,
Pune - 411057, Maharashtra, India. ☎ +91-9112126448 ✉ Contact@bioradius.com

[Signature]
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



2. Management and Administration:

Negotiation, implementation and co-operation of the Memorandum of Understanding fall under the responsibility of both the parties.

3. General Provisions:

- a. Both the parties will carry out collaborative research activities, as a follow up to this Memorandum of Understanding. The activities must be carried out in accordance with appropriate laws of India for the time being in force.
- b. BOTH THE PARTY may allot such joint projects to B. Pharm, M.Pharm, Pharm D and Ph.D. students with the help of the staff and students of their organization. The required equipment for carrying out the R & D activity other than those available with FIRST PARTY and are to be made available by SECOND PARTY and Vice Versa or suitable assistance shall be borne by the BOTH THE PARTIES for getting such work done.
- c. The faculty, students and employees from both parties can freely interact on the joint research project. The faculty and the students can share the Laboratory and Instrumental facilities for smooth functioning of the project.
- d. The findings of the research work shall be published or patent jointly by the parties.
- e. If the results of this joint project are able to attract commercial utilization, then the financial benefit shall be shared between the two parties equally or through any mutually agreed arrangements.
- f. Both parties should follow rules and regulations during said activities in the premises.

4. Amendments:

This Memorandum of Understanding may be amended, if required, by mutual agreement between both the parties, formalized by an exchange of letters specifying the date of entry into force.

5. Settlement of Disputes:

Any dispute which may arise in connection with the interpretation or enforcement of this Memorandum of Understanding shall be strived to be settled by mutual consultation between both the parties and for the purpose of settlement of dispute the jurisdiction shall be within the limits of Pune.



Page 4 of 5

BioRadius Therapeutic Research Pvt.Ltd.

IndiaLand Global Industrial Park, Plot No. - 8, S.No. 234, 235, 245, Hinjewadi Phase II,
Pune - 411057, Maharashtra, India. ☎ +91-9112126448 ✉ Contact@bioradiuscro.com

P. E. S. Modern College of Pharmacy
Sector No.21, Yemunanagar, Nigdi,
Pune - 411 044.



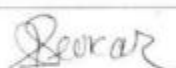

**6. Termination:**

Either Party may terminate this Memorandum of Understanding at any time with at least 90 days prior written notice to the other Party. The early termination of this Memorandum of Understanding will not affect the completion of any co-operation measures that were agreed under the annual work programs whilst it was in force.

7. Valid period:

This MOU shall take effect from the date of its signing and shall be valid for the period of 10 (Ten) years from the date on which it came into force.

Signed in Pune on 15/07/2021 in two original in English language.

| | | | |
|-----------------------------|--|------------------------------|--|
| For Party of the First Part | Progressive Education Society's Modern College of Pharmacy Sector 21, Yamunanagar, Nigdi, Pune - 411044 | For Party of the Second Part | BioRadius Therapeutic Research Private Limited, Indialand global Industrial Park, Phase 1, Hinjawadi, Pune, Maharashtra 411057 |
| Signature with seal |   | Signature with seal |   |
| Designation | Principal and Professor | Designation | Chief Scientific Officer |
| Name | Dr. Pravin D. Chaudhari Email ID: pdchaudhari21@rediffmail.com Contact: 9850179873 | Name | Mr. Sachin Deokar Email ID: sachindeokar@bioradiuscro.com Contact: 9049989561, 02067789113 |
| Date | 15/07/2021 | Date | 15/07/2021 |


Page 5 of 5**BioRadius Therapeutic Research Pvt.Ltd.**

IndiaLand Global Industrial Park, Plot No. - 8, S.No. 234, 235, 245, Hinjewadi Phase I, Pune - 411057, Maharashtra, India. ☎ +91-9112126448 ✉ Contact@bioradiuscro.com



Progressive Education Society's
MODERN COLLEGE OF PHARMACY

Accredited by NAAC & NBA
DST FIST Funded College

'Best College Award' by Savitribai Phule Pune University



Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently affiliated to
Savitribai Phule Pune University, Pune & Approved under Section (2 (f) & 12 (B) of UGC Act, 1956

Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044, (M.S.) Tel. : 020-27661314 / 15

E-mail : mcpnigdi44@gmail.com Website : www.mcop.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. Gajanan R. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council
P.E. Society, Pune

Ref :

Date : 08/06/2023

Summary of Activity done under MOU Year wise

Name of concern Industry: BioRadius Therapeutic Research Pvt Ltd, Hinjawadi

Date of MOU: 15/07/2021 to 14/07/2031

Validity Period of MOU: 10 Years

| Sr no | Academic Year | Name of Activity | No of beneficiaries | Start Date | End Date |
|-------|---------------|------------------|---------------------|------------|------------|
| 1 | 2022-2023 | Industrial Visit | 44 | 06/12/2022 | 06/12/2022 |

Dr. Pravin D. Chaudhari
Principal and Professor



MoU Incharge
BioRadius Therapeutic Research Pvt Ltd, Hinjawadi

STRIVING TOWARDS EXCELLENCE FOREVER



2022-2023

**P. E. Society's
Modern College of Pharmacy Nigdi-44**

Industry Visit 2022-23

Notice

Date: 05/12/2022

All Teaching faculty, Non-teaching staff and students of B Pharm/ M Pharm/ Pharm D are hereby informed that, our college has organized one day hands on training and industry visit for students, the details of visit are as follows

Name of Place: BioRadius Therapeutic Research Pvt Ltd phase I, Hinjawadi, Pune, Maharashtra 411057.

Time for reach at Industry: 10:40 am

Name of class: Pharm D IV year and M Pharm (Pharmacology) Second year

Date: 06/12/2022 (Tuesday)

Time for departure from college: 9:30 am

Contact persons during visit

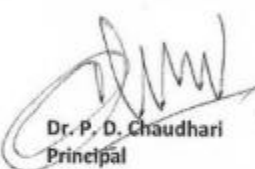
Dr Padmaja Kore: 82082 72961

Dr V V Chopade 9545452767

Prof Swateja Bhosle: 70583 66393

Prof Siddhat Sawdekar 99607 22672

Prof. Priyanka Sarda: 72496 52496


Dr. P. D. Chaudhari
Principal

Copy to

1. Academic section
2. Class teachers
3. Office




Principal
P.E.S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



PES Modern College of Pharmacy, Nigdi, Pune-44

Attendance of students for Industry Visit

Name of Place: BioRadius Therapeutic Research Pvt Ltd phase I, Hinjawadi, Pune, Maharashtra 411057.

Name of class: M Pharm (Pharmacology) Second year

Date: 06/12/2022 (Tuesday)

| Roll no | Name | Signature of students |
|---------|------------------|-----------------------|
| COL201 | Akansha Amritkar | |
| COL202 | Pranali Bhandare | |
| COL203 | Abhijit Deshmukh | |
| COL204 | Gayatri Gadekar | |
| COL205 | Vinod Gaikwad | |
| COL206 | Pratiksha Hajare | |
| COL207 | Dhanashri Katkar | |
| COL208 | Pradnya Khelbude | |
| COL209 | Mohsin Mansoori | |
| COL210 | Kajal Pawade | |
| COL211 | Nikita Pawar | |
| COL212 | Ganesh Pore | |
| COL213 | Surabhi Shinde | |
| COL214 | Prajakta Tambe | |

Dr. V.V. Chopade
Incharge



Dr. P. D. Chaudhari
Principal

Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



PES Modern College of Pharmacy, Nigdi, Pune-44

Attendance of students for Industry Visit

Name of Place: BioRadius Therapeutic Research Pvt Ltd phase I, Hinjawadi, Pune, Maharashtra 411057.

Name of class: Pharm D IV year

Date: 06/12/2022 (Tuesday)

| Roll No. | Name Of Student | Signature of students |
|----------|------------------------------|-----------------------|
| 401 | Bakale Sayali Shivraj | |
| 402 | Bendga Tushar Santya | |
| 403 | Bhange Shardul Santoshrao | |
| 404 | Chachar Mihir Sunil | |
| 405 | Chaturvedi Aakansha Devendra | |
| 406 | Dalvi Aditya Navnath | |
| 407 | Deokar Saakshi Shrikant | |
| 408 | Desai Sumedh Sanjay | |
| 409 | Dhadge Savata Sanjay | |
| 410 | Dhas Vishal Khandu | |
| 411 | Dhawade Siddhi Rajendra | |
| 412 | Gaikwad Abhijit Atmaram | |
| 413 | Holmukhe Payal Ganpat | |
| 414 | Jadhav Pratiksha Anil | |
| 415 | Jagtap Aishwarya Krishna | |
| 416 | Jha Tushar Sanjeev Kumar | |
| 417 | Kale Gauri Jagdish | |
| 418 | Kamble Padmaja Deepak | |
| 319 | Khape Payal Sudhakar | |
| 420 | Lavate Rutika Tukaram | |
| 421 | Lokhande Tallini Dhananjay | |
| 422 | Manocha Vinay Tarun | |
| 423 | Meher Akshaya Suresh | |
| 424 | Mirani Mihir Bharatbhai | |
| 425 | Pande Omkar Harihar | |
| 426 | Parkhe Tejas Santosh | |
| 427 | Patil Ninad Bharat | |
| 428 | Patil Pradnya Prakash | |
| 429 | Patil Yash Anil | |
| 430 | Rane Pritish Vijay | |
| 431 | Shelke Kanchan Arvind | |
| 432 | Undale Akanksha Kishor | |

Dr. V V Chopade
Incharge



Dr. P. D. Chaudhari
Principal
Principal
P.E.S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



P.E. Society's
Modern College of Pharmacy, Nigdi, Pune-44

REPORT OF INDUSTRY VISIT 2022-23

| | | |
|----------------------------------|--|--|
| 1. Name of activity: | Industry visit for students and Staff | |
| 2. Name of Industry | BioRadius Therapeutic Research Pvt Ltd Phase I, Hinjawadi, Pune, Maharashtra | |
| 3. Date of activity | 06/12/2022 | |
| 4. Total no students participate | M Pharm -13 Pharma D – 31 Total - 44 | |
| 5. Occasion of activity | Industry Academic Interaction | |
| 6. Place of visit | Therapeutic Research \ Clinical research Lab | |
| 7. Objectives of activity | <ol style="list-style-type: none">1. To get analytical knowledge, planning abilities, problem analysis, modern tool usage, professional identity, pharmaceutical ethics, life-long learning2. To get importance of accuracy in practical's experiments3. How to operate equipments in lab. | |
| 8. Training given by | Mr Sachin Deokar | |
| 9. Name of faculty with students | Dr. P. Kore Dr. V V Chopade Prof Swateja Bhosale Prof Siddhat Sawadekar Prof Priyanka Sarda | |
| 10. Activity co-coordinator | : Dr. Vitthal V Chopade | |


Dr. V V Chopade
Industry Visit Incharge




Principal
P. E. S. Modern College of Pharmacy
Sector No 21, Yamunanagar, Nigdi,
Pune - 411 044.

Photo



Dr. V V Chopade
Industry Visit Incharge



Principal
P.E.S. Modern College of Pharmacy 2
Sector No 21, Yamunanagar, Nigdi,
Pune - 411 044



MOU with VishwaConnectome Pvt Ltd, Pune

Summary of activities under MOU

| Sr no | Academic Year | Name of Activity | No of beneficiaries | Start Date | End Date |
|-------|---------------------------|------------------|---------------------|------------|------------|
| 1 | 2021-2022 | Industrial Visit | 15 | 05/10/2021 | 05/10/2021 |



VISHWA CONNECTOME PVT. LTD.

MEMORANDUM OF UNDERSTANDING

BETWEEN

Progressive Education Society's Modern College of Pharmacy Sector

21, Yamunanagar, Nigdi, Pune-411044,
which is represented by its principal named

Dr. Pravin D. Chaudhari Sir

here in named as party one

AND


Vishwa Connectome Pvt Ltd.

Shewalewadi, Pune Solapur Highway, Hadapsar. Pune – 411028 which
is represented by

Dr. Dnyandeo Pathare Sir

here in named party two




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411044

S. N-211, Pune-Solapur Highway, Hadapsar, Pune - 411028. Page 1 of 3

E- Mail : vishwaconnect01@gmail.com

www.vishwaconnect.com

+9503963900, 9096467079

(CIN)U80902PN2020PTC197372



VISHWA CONNECTOME PVT. LTD.

THIS MEMORANDUM OF UNDERSTANDING IS MADE AT PUNE ON 30/01/2021

WHEREAS

The First Party is Educational Institute/College named as above. First Party is the amongst the premium Pharmacy institutes imparting quality education in a sector of Pharmaceutical Sciences as well as carrying out research in Pharmaceutical Sciences. It is established in 1998 in Pimpri-Chinchwad industrial belt and run by Progressive Education Society Pune-5. It offers Undergraduate (B. Pharm.), Pharm D, Post graduate (M. Pharm) and Doctoral courses (Ph.D) in Pharmacy. All the courses are recognized by Pharmacy Council of India (PCI), Institute is affiliated to Savitribai Phule Pune University, Pune, Approved by All India Council for Technical Education (AICTE), Maharashtra State Board of Technical Education and also approved under 2(f) and 12 (B) of the UGC Act. With the relentless efforts of dedicated and competent faculty, up-dated curriculum, innovative methods of instructions top end infrastructure and sturdy support of management, it has emerged as a center of academic excellence and attracting students from all over India. Whereas the second party is also engaged in research in Pharmaceutical Sciences.

WHEREAS

Second Party is Vishwa Connectome Pvt Ltd is a pioneer institute that provides learning opportunities for aspirants in the chemical and pharmaceutical industry. We have an array of extensive courses and a fleet of qualified professionals who impart world-class training to students. Institute is equipped with the latest and highly advanced facilities, services and a conducive environment for students to learn, grow and transform through quality education and training.

WHEREAS both the parties hereby covenant to adhere with following terms for entering into this Memorandum of Understanding:

- Both the parties shall maintain permanent channels of communication for exchange of information, facilities and research under Collaborative research projects, Industrial visit, Student Internship, Sharing expertise in Both ways, Demonstration of Equipment or new technology, Use of facilities at the end of both parties, Sharing library facilities, Seeking feedback on curriculum, co-curricular and extracurricular activities also involve in Co-organizing Seminar, Conferences and Workshops.

Both the parties shall explore possibilities of updating the respective information technology systems if required.



(CIN)U80902PN2020PTC197372



S. N. 211, Pune-Solapur Highway, Hadapsar, Pune - 411028.

E-Mail : vishwaconnectome@gmail.com

www.vishwaconnectome.com

+91 9503983908, 9096467079

P.E.S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



VISHWA CONNECTOME PVT. LTD.

GOALS AND OBJECTIVES

Both the parties being in the field of imparting knowledge have agreed to collaborate to with following objects:

1. The purpose of this MOU is to continue to develop and expand a framework of cooperation between the First Party and Second party to develop mutually beneficial research projects and professionally competent ethically sound, skilled pharmacist at par with global standards.
2. Both the parties have agreed to work in the areas of mutual interest such as
 - Collaborative research projects
 - Industrial visit
 - Student internship
 - Sharing expertise in Both ways.
 - Demonstration of equipment or new technology
 - Use of facilities at the end of both parties
 - Sharing library facilities
 - Seeking feedback on curriculum, co-curricular and extracurricular activities
 - Co-organizing Seminar, Conferences and Workshops
3. Recognizing the importance of institutes of higher education's role in promoting collaboration and increased contribution of social economic development.

NOW THEREFORE THIS MEMORANDUM OF UNDERSTANDING WITNESSE AS UNDER

1. Field of Co-Operation:

Co-operation between both the parties may be established within any field related to science and technology of mutual interest and in particular fields of Collaborative research projects, Industrial visit, Student Internship, Sharing expertise in Both ways, Demonstration of Equipment or new technology, Use of facilities at the end of both parties, Sharing library facilities, Seeking feedback on curriculum co-curricular and extracurricular activities as well as involve in Co-organizing Seminar, Conferences and Workshops.



(CIN)U80902PN2020PTC197372



S. N. 211, Pune-Solapur Highway, Hadapsr, Pune - 411028. ☎

E- Mail : vishwaconnect01@gmail.com ✉

www.vishwaconnect.com 🌐

+9503963900, 9096467079 ☎

Principal

Progressive Education Society's Modern College of Pharmacy
Sector No 21, Yamunanagar, Nigdi,
Pune - 411 044



VISHWA CONNECTOME PVT. LTD.

2. Management and Administration:

Negotiation, implementation and co-operation of the Memorandum of Understanding fall under the responsibility of both the parties.

3. General Provisions:

- Both the parties will carry out collaborative research activities, as a follow up to this Memorandum of Understanding. The activities must be carried out in accordance with appropriate laws of India for the time being in force.
- BOTH THE PARTY may allot such joint projects to B. Pharm, M.Pharm, Pharm D and Ph.D. students with the help of the staff and students of their organization. The required equipment for carrying out the R & D activity other than those available with FIRST PARTY and are to be made available by SECOND PARTY and Vice Versa or suitable assistance shall be borne by the BOTH THE PARTIES for getting such work done.
- The faculty, students and employees from both parties can freely interact on the joint research project. The faculty and the students can share the Laboratory and Instrumental facilities for smooth functioning of the project.
- The findings of the research work shall be published or patent jointly by the parties.
- If the results of this joint project are able to attract commercial utilization, then the financial benefit shall be shared between the two parties equally or through any mutually agreed arrangements.
- Both parties should follow rules and regulations during said activities in the premises.

4. Amendments:

This Memorandum of Understanding may be amended, if required, by mutual agreement between both the parties, formalized by an exchange of letters specifying the date of entry into force.

5. Settlement of Disputes:

Any dispute which may arise in connection with the interpretation or enforcement of this Memorandum of Understanding shall be strived to be settled by mutual consultation between both the parties and for the purpose of settlement of dispute the jurisdiction shall be within the limits of Pune.



(CIN)U80902PN2020PTC197372



S. N. 211, Pune-Solapur Highway, Hadapsar, Pune - 411028. ☎

E-Mail: vishwaconnect01@gmail.com ☎

www.vishwaconnect.com ☎

+9503963900, 9096467079 ☎

Principal
P. E. S. Modern College of Pharmacy
Sector No 21, Yamunanagar, Nigdi,
Pune - 411 044.



VISHWA CONNECTOME PVT. LTD.

6. Termination:

Either Party may terminate this Memorandum of Understanding at any time with at least 90 days prior written notice to the other Party. The early termination of this Memorandum of Understanding will not affect the completion of any co-operation measures that were agreed under the annual work programs whilst it was in force.

7. Valid period:

This MOU shall take effect from the date of its signing and shall be valid for the period of 10 (Ten) years from the date on which it came into force.

Signed in Pune on 30/01/2021 in two original in English language.

| | | | |
|-----------------------------|---|------------------------------|--|
| For Party of the First Part | Progressive Education Society's Modern College of Pharmacy Sector 21, Yamunanagar, Nigdi, Pune - 411044 | For Party of the Second Part | Vishwa Connectome Pvt Ltd., Pune Solapur Highway, Hadapsar. Pune - 411028 |
| Signature with seal | | Signature with seal | |
| Designation | Principal and Professor | Designation | Director |
| Name | Dr. Pravin D. Chaudhari Email ID: pdchaudhari21@rediffmail.com Contact: 9850179873 | Name | Dr. Dnyandeo Pathare Email ID: pathare.d@gmail.com Contact: 9096467079 |
| Date | 30/01/2021 | Date | 30/01/2021 |



S. N. 211, Pune-Solapur Highway, Hadapsar, Pune - 411028. ☎

E-Mail : vishwaconnect01@gmail.com

www.vishwaconnect.com

(CIN)U80902PN2020PTC197372

P. E. S. Modern College of Pharmacy +9503963900, 9096467079
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Progressive Education Society's
MODERN COLLEGE OF PHARMACY

Accredited by NAAC & NBA
DST FIST Funded College

'Best College Award' by Savitribai Phule Pune University

Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently affiliated to
Savitribai Phule Pune University, Pune & Approved under Section (2 f) & 12 (B) of UGC Act, 1956

Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044, (M.S.) Tel. : 020-27661314 / 15

E-mail : mcpnigdi44@gmail.com Website : www.mcop.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. Gajanan R. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council
P.E.Society, Pune

Ref :

Date : 08/06/2023

Summary of Activity done under MOU Year wise

Name of concern Industry: Vishwa Connectome Pvt Ltd

Date of MOU: 30/01/2021 to 29/01/2031

Validity Period of MOU: 10 Years

| Sr no | Academic Year | Name of Activity | No of beneficiaries | Start Date | End Date |
|-------|---------------|------------------|---------------------|------------|------------|
| 1 | 2021-2022 | Industrial Visit | 15 | 05/10/2021 | 05/10/2021 |

Dr. Pravin D. Chaudhari
Principal and Professor



MoU Incharge
Vishwa Connectome Pvt Ltd



STRIVING TOWARDS EXCELLENCE FOREVER



2021-2022

P. E. Society's
Modern College of Pharmacy Nigdi-44

Industry Visit 2021-22

Notice

Date: 04/10/2021


All Teaching faculty, Non-teaching staff and students of M Pharm are hereby informed that, our college has organize one day hands on training and industry visit for M. Pharm students, the details of visit are as follows

Name of Place : Vishwa Connectome Pvt Ltd, Hadapsar, Pune

Name of class : M. Pharm

Date: 05/10/2021 (Tuesday)

Time for departure from college: 9:30 am


Dr. P. D. Chaudhari
Principal

Copy to

1. Academic section
2. Class teachers




Principal
P. E. S. Modern College of Pharmacy
Sector No 21, Yamunanagar, Nigdi,
Pune - 411 044.



PES Modern College of Pharmacy, Nigdi, Pune-44

Attendance of students for Industry Visit

Venue: Vishwa Connectome Pvt Ltd, Hadapsar Pune Class: M Pharm and Faculty
Date of visit: 05/09/2021

| Sr. No | Name of Students | Signature |
|--------|-------------------------|-----------|
| 1. | Deepak Bhabad | |
| 2. | Netal Bhansali | |
| 3. | Sanket Bhatshankar | |
| 4. | Shubham Mali | |
| 5. | Raksha Rao | |
| 6. | Ujwala Yedake | |
| 7. | Prof Somdatta Chaudhari | |
| 8. | Prof Nikita Gaikwad | |
| 9. | Prof Rupali Jinturkar | |
| 10. | Prof Sheetal Chaudhari | |
| 11. | Prof Nikita Kale | |
| 12. | Suraj Satpute | |
| 13. | Saang Bawke | |
| 14. | Dipali chermole | |
| 15. | Dhonde Sneha S. | |

Dr. V. V. Chopade
Industry visit incharge

Dr. P. D. Chaudhari
Principal



Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Progressive Education Society's
MODERN COLLEGE OF PHARMACY
Accredited by 'NAAC'
'Best College Award' by Savitribai Phule Pune University

Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (65), Permanently affiliated to
Savitribai Phule Pune University, Pune & Approved under Section (2 (f) & 12 (B) of AEC Act, 1987)

Sector No. 21, Yamananagar, Nigdi, Pune - 411 044. (M) 81 74 - 323-27661315 Fax - 323-27361314
E-mail : mcpnigdi44@gmail.com Website : www.mcpnigdi.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. Gajanan R. Ekbole
M.S., M.N.A.M.S.
Chairman, Business Council
P.E.S. Society, Pune

Ref : mcp/TL/2021-22/190 Date : 04/10/2021

To
The Director/Manager
Vishwa Connectome Pvt Ltd,
Pune.

Dear Sir,

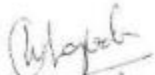
We are thankful to you for accepted our request for one day hands on training and industry visit to our M Pharm students and faculty members


It was a great pleasure for us to have provided the real insight of working procedure of your esteemed organization for our M. Pharm

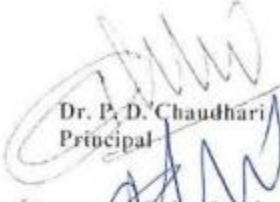
We again thank you for sparing your valuable time with us. We are sure that you will always be there to help us at every critical turn and we look forward to continuous association with you in future.


Thanking You,


Yours truly,


Dr V. A. Chopade
Industry visit incharge




Dr. P. D. Chaudhari
Principal




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamananagar, Nigdi,
Pune - 411 044.

STRIVING TOWARDS EXCELLENCE




P.E.Society's
Modern College of Pharmacy, Nigdi. Pune-44

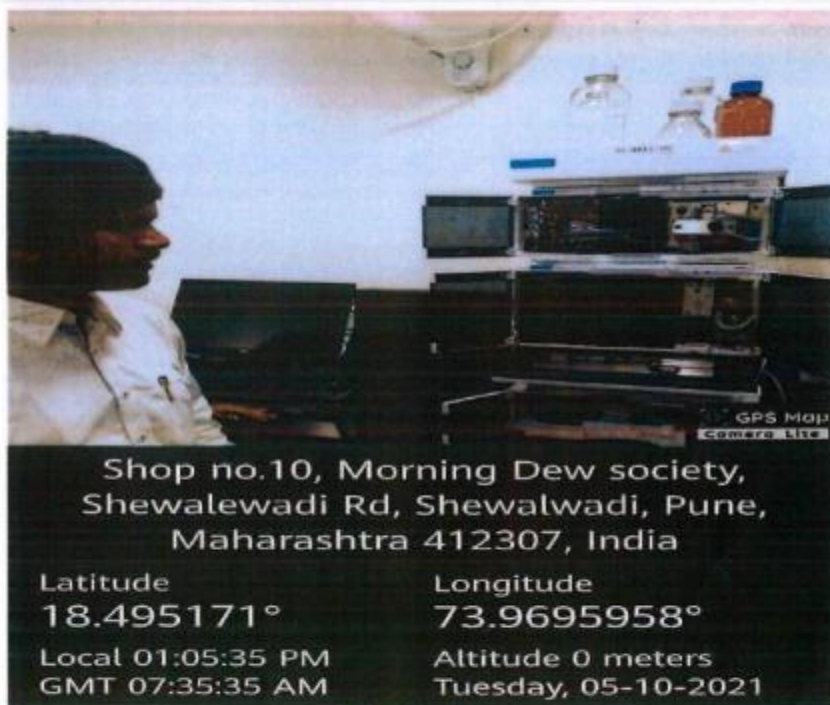
REPORT OF INDUSTRY VISIT 2021-22

| | |
|----------------------------------|--|
| 1. Name of activity: | Industry visit for B. Pharm/ M Pharm/ Pharm D students |
| 2. Name of Industry | Vishwa Connectome Pvt Ltd, Hadapsar, Pune |
| 3. Date of activity | 05/10/2021 |
| 4. Total no students participate | 15 |
| 5. Occasion of activity | Industry Academic Interaction |
| 6. Place of visit | QAQC dept |
| 7. Objectives of activity | <ol style="list-style-type: none">1. To get pharmacy knowledge, planning abilities, problem analysis, modern tool usage, professional identity, pharmaceutical ethics, communication, environment and sustainability, life-long learning.2. To know working procedure of manufacturing unit and QAQC dept of Pharmaceutical industry3. To get importance of accuracy in practical's experiments4. How to operate equipments in pharma industry. |
| 8. Training given by | Dr. Virendra |
| 9. Name of faculty with students | Prof Somdatta Chaudhari Prof Shital Patil |
| 10. Activity co-coordinator | :Dr. Virthal V Chopade |

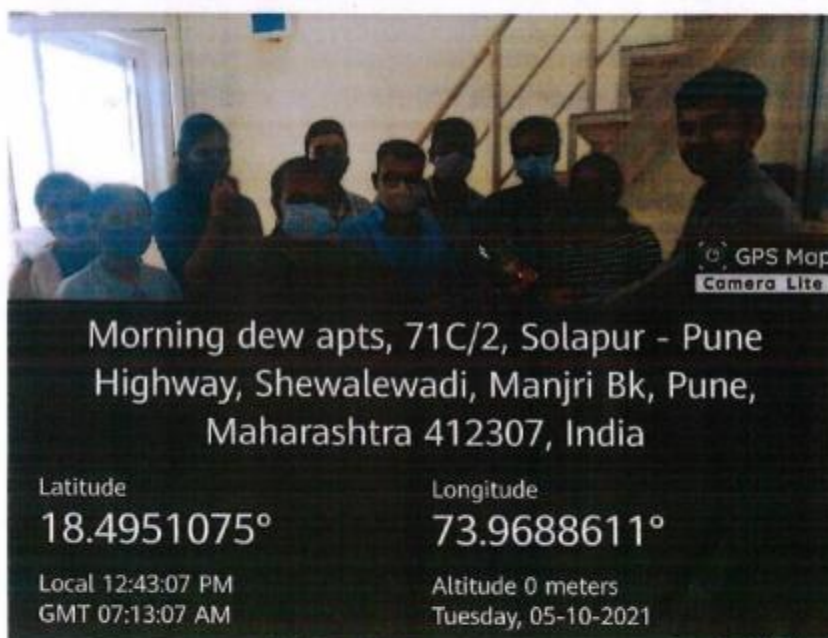
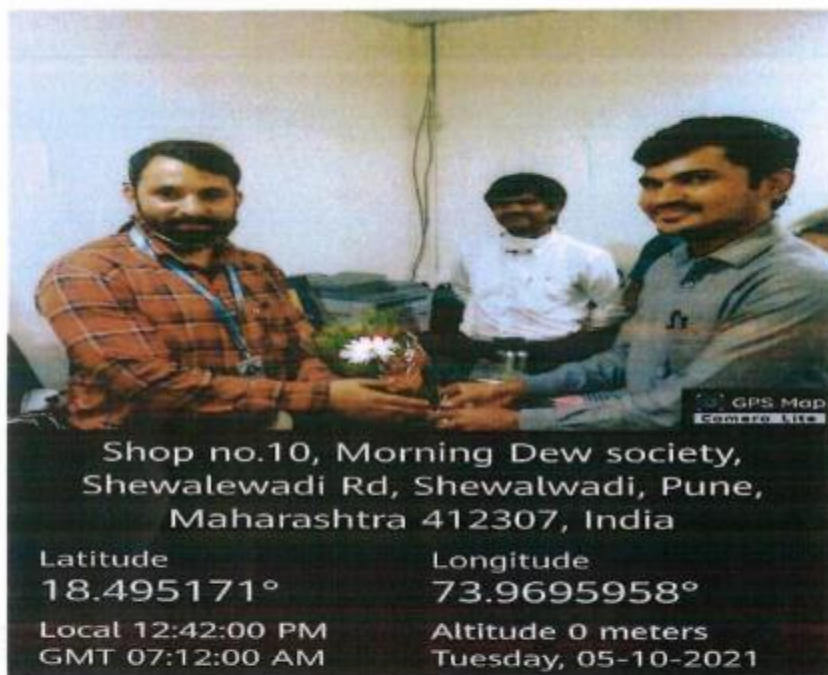

Dr. V V Chopade
Industry Visit Incharge





Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Principal²
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044



MOU with VivekDoba training Institute,Pune

Summary of activities under MOU

| Sr no | Academic Year | Name of Activity | No of beneficiaries | Start Date | End Date |
|-------|---------------------------|------------------|---------------------|------------|------------|
| 1 | 2021-2022 | Guest Lecture | 95 | 05/01/2022 | 05/01/2022 |



www.vivekdoba.in

contact: 9284941277

info@vivekdoba.in

Dream

Evolve

Inspire

We are in business of building success stories & convert your dream in to reality

MEMORANDUM OF UNDERSTANDING (MOU) BETWEEN

**VIVEKK DOBA TRAINING INSTITUTE,
CHINCHWAD, PUNE - 411033**

&

**Progressive Education Society's
MODERN COLLEGE OF PHARMACY
Nigdi Pune**

**FOR THE DEVELOPMENT OF ACADEMIC CO-OPERATION IN MANAGEMENT
EDUCATION**

The core objective of this MOU is to stimulate & facilitate the development of collaborative & mutually beneficial activities which serve to elevate the intellectual, socio-cultural & personal development of stakeholders

- Students & staff of both institutes & to contribute towards mutual cooperation

Therefore, both the institutes have mutually agreed that in support of their common interests in the field of academics, research & allied areas as follows:

The two educational institutes will exchange the Students, Teachers, Trainers, & coach for the following activities:

- Curricular
- Co- Curricular
- Extra-Curricular
- Research, Innovation & Incubation
- Extension & Outreach Activities
- Student / Parent Counseling
- Career Counseling




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



- This Agreement will take effect from date of signing & shall be valid for a period of 1 year from that dates unless sooner terminated, modified, revoked by mutual writing agreement, Between two institute & may be extended by mutual writing agreement
- Commercial & number of training programs will be as per oral / written communication.
- Topics for Training would include Emotional intelligence, social intelligence, Goal setting, How to study? Belief system, Communication skills, Soft skills, Business or Job Strategy , Memory Mastery , Students NLP, Leadership skill, Team buildings, Time management, College to campus, College to start up, Money & relationship management, Meditation, Digital mastery, Graphology, Toppers Blueprints, Neuro Linguistic Programming, TTT OR any other topic with mutual consent for Students, Teachers, Parent & Office Staff.
- Students motivational training workshop/Seminar/Program will be offline or online as per oral/written communication
- Either party may terminate agreement at any point in time during this term by the provision of three months written notice to the other party
- The parties hereby agree to establish mutual collaboration on above areas.

Date 12/01/2021

Place: Nigdi, Pune

Sign & Stamps

Vivek Doba

For VIVEK DOBA TRAINING INSTITUTE

Vivekk Doba ^{Proprietor}

Director

Vivekk Doba Training Institute

Sign & Stamps



[Signature]
Principal

PES, MCP,

Nigdi Pune

Witness 1 Name & Sign

Dr. A. A. Phatak

[Signature]

Witness 2 Name & Sign

Dr. Bhushan P. Pimple

[Signature]

Dream

Evolve



Inspire

[Signature]
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Progressive Education Society's
MODERN COLLEGE OF PHARMACY

Accredited by NAAC & NBA

DST FIST Funded College

'Best College Award' by Savitribai Phule Pune University



Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently affiliated to
Savitribai Phule Pune University, Pune & Approved under Section (2 (f) & 12 (B) of UGC Act, 1956

Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044, (M.S.) Tel. : 020-27661314 / 15

E-mail : mcopnigdi44@gmail.com Website : www.mcop.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. Gajanan R. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council
P.E. Society, Pune

Ref :

Date :

Summary of Activity done under MOU Year wise

Name of concern Institute: Vivek Doba Training institute, Pune


Date of MOU: 12/01/2021 to 11/01/2022

Validity Period of MOU: 1 year

| Sr no | Academic Year | Name of Activity | No of beneficiaries | Start Date | End Date |
|-------|---------------|------------------|---------------------|------------|------------|
| 1 | 2021-2022 | Guest Lecture | 95 | 05/01/2022 | 05/01/2022 |


Dr. Pravin D. Chaudhari
Principal and Professor




For VIVEK DOBA TRAINING INSTITUTE

Proprietor
MoU Incharge
VivekDobaTraining institute, Pune

STRIVING TOWARDS EXCELLENCE FOREVER



2021-2022




Progressive Education Society's

MODERN COLLEGE OF PHARMACY

Accredited by NAAC

Best College Award by Savitribai Phule Pune University



Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi, Directorate of Technical Education, Mumbai (M5), Permanently Affiliated to Savitribai Phule Pune University, Pune & Approved under Section 2 (f) & 12 (B) of UGC Act, 1956

Section No.21, Yamunanagar, Nigdi, Pune-411 044. (M.S.) Tel. : 020-27661315 Fax: 020-27661314
E-mail : mcpnigdi44@gmail.com Website : www.mcap.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. G. R. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council

Date: 31/12/2021

NOTICE

All First Year B. Pharm, Direct Second Year, First Year Pharm. D., Second Year Pharm. D. & Fourth Year Pharm D. (P.B.) students are hereby informed that your **"Three Days Induction Program"** is scheduled from **Tuesday, 04/01/2022 to Thursday, 06/01/2022**. Guest lecture on **"Goal getting"** by **Hon. Vivek Doba** Director at VDTs Digital Services is scheduled on **05/01/2022 at 12:00 pm to 2:00 pm**

Attendance is mandatory.

Venue: MIBS (formerly IMCD) Building, Seminal Hall, Nigdi.

Session wise schedule are attached with this notice. Follow all the guidelines of covid-19 during the program.



Prof. R. M. Gurav
Induction Program Coordinator



Dr. P. D. Chaudhari
Principal

Principal

P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Progressive Education Society's
MODERN COLLEGE OF PHARMACY
Accredited by NAAC
Best College Award by Savitribai Phule Pune University



Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently Affiliated to
Savitribai Phule Pune University, Pune & Approved under Section 2 (f) & 12 (B) of UGC Act, 1956

Section No.21, Yamunanagar, Nigdi, Pune-411 044. (M.S.) Tel: 020-27661315 Fax: 020-27661314
E-mail: mcpnigdi44@gmail.com Website: www.mcop.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. G. R. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council

Date: 31/12/2021

Ref:

To,
Mr. Viveck Doba
Director at VDTs Digital Services
Author of Best Selling Book - 7 Merit Mantra.

Sub: Invitation as Resource Person for "Three days Induction Program"

Respected sir,

P. E. Society's Modern College of Pharmacy was established in 1998 by at Yamunanagar, Nigdi in the close proximity of the industrial belt of Pimpri -Chinchwad. The College is approved by Government of Maharashtra (DTE), All India Council for Technical Education (AICTE) and Pharmacy Council of India (PCI). It is permanently affiliated to Savitribai Phule Pune University. College is accredited by NBA & NAAC and recognized under section 2f and 12(B) of UGC act 1956, New Delhi. The college offers B. Pharmacy, Pharm. D., M. Pharmacy (Pharmaceutics, Pharmaceutical Chemistry, Pharmacology & Pharmaceutical Quality Assurance) and Ph. D in Pharmaceutical sciences. The college has secured All India Rank in top 75 colleges in pharmacy category by National Institutional Ranking Framework by Ministry of Human Resource Development Government of India New Delhi from last 3 years. The college has been awarded platinum grade rank in CII survey by AICTE New Delhi from last 3 years. The college has been awarded as "Best College in Professional Colleges' Category" by Savitribai Phule Pune University in 2015-2016.

It is indeed a great pleasure to invite you as a **Resource Person** for **Three days Induction Program** on **4th Jan 2022 to 6th Jan 2022**. Sir, your long standing experience will be much helpful in guiding to newly admitted students. We would be highly obliged if you could spare your valuable time for the above event. Your cooperation in this regards will be highly solicited

Kindly email your acceptance and topic of your choice related to the theme and recent resume at your earliest convenience on rohithpharmaceutics@gmail.com and pdchaudhari21@rediffmail.com

Date of your talk will be on 05/01/2022 at 12:00 pm to 2:00 pm.


Looking forward to meet you




Dr. P. D. Chaudhari
Principal
P. E. S. Modern College of Pharmacy
Section No. 21, Yamunanagar, Nigdi,
Pune - 411 044.

STRIVING TOWARDS EXCELLENCE FOREVER





Progressive Education Society's
MODERN COLLEGE OF PHARMACY
Accredited by NAAC
Best College Award by Savitribai Phule Pune University



Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently Affiliated to
Savitribai Phule Pune University, Pune & Approved under Section 2 (f) & 12 (B) of UGC Act, 1956

Section No.21, Yamunanagar, Nigdi, Pune-411 044. (M.S.) Tel.: 020-27661315 Fax: 020-27661314
E-mail: mcpnigdi44@gmail.com Website: www.mcp.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. G. R. Echale
M.S., M.N.A.M.S.,
Chairman, Business Council

Date: 04/01/2022

To,
Mr. Viveck Doba
Director at VDTS Digital Services
Author of Best Selling Book - 7 Merit Mantra.

Subject: Thanking letter to the Resource Person for "Three days Induction Program"


Respected sir,

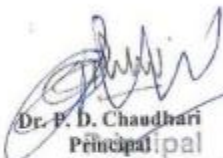
Hope this letter finds you in good health & high spirits.

On behalf of the faculty and staff at P. E. Society's Modern College of Pharmacy, Nigdi, Pune -44,
We are really thankful to you for having accepted our invitation as resource person and delivered
lecture to our students on occasion of "Three days Induction Program" during 04/01/2022 to
06/01/2022, entitled "Goal Getting" on 05th January 2022 organized by Modern college of
Pharmacy, Nigdi Pune -44

It was a great pleasure for us that your lecture was very much valuable and informative, the
experiences you have shared with us will be helpful.

We are sure that your valuable support for the success of this college will always be with us in
future.




Dr. P. D. Chaudhari
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

STRIVING TOWARDS EXCELLENCE FOREVER



Progressive Education Society's
MODERN COLLEGE OF PHARMACY
 Yamunanagar, Nigdi, Pune -44



Name of Activity: Induction Program

Date: 04/01/2022 to 06/01/2022

Date of Activity: 05/01/2022


| Sr. No. | Name of Participants | Sr. No. | Name of Participants |
|---------|-------------------------------|---------|----------------------------|
| 1. | Adhalrao Vaishnavi D | 36 | Yadav Amit Rajbali |
| 2. | Gopnar Keshav Ranjeetrao | 37 | Yeole Mrugaja Rajendra |
| 3. | Aaditya Gaikwad | 38 | Zinjurke Siddesh Kalyan |
| 4. | Prafull Kamjalge | 39 | Pande Aishwarya Narharirao |
| 5. | Satsang Kumthekar | 40 | Pathade Aditi Ambadas |
| 6. | Soham Misal | 41 | Sawant Omkar Ravindra |
| 7. | Shweta Nagare | 42 | Shendage Rohit Janardan |
| 8. | Laasya Ratna Pagadala | 43 | Shinde Rohit Ananda |
| 9. | Srusti Sonawane | 44 | Shirke Vaishnavi Vishnu |
| 10. | Sindhav Krushnarajsinh | 45 | Phalke Pratik Kiran |
| 11. | Solanke Omkar Shivaji | 46 | Raut Mahesh Digambar |
| 12. | Barhate Jay Jitendra | 47 | Reddy Mahesh Rajkumar |
| 13. | Bhale Geetanjali Narayan | 48 | Sabale Sahil Maruti |
| 14. | Bhandare Akanksha Abhijit | 49 | Kandekar Tejas Vijay |
| 15. | Bhumkar Pankaj V | 50 | Kapse Yash Raju |
| 16. | Birje Siddhi Omprakash | 51 | Pande Aishwarya Narharirao |
| 17. | Bisane Nisarga Nandkishor | 52 | Pathade Aditi Ambadas |
| 18. | Sur Krishnkumarsinh | 53 | Mathapati Tushar Mallinath |
| 19. | Suryawanshi Chanchal Raju | 54 | Mhetre Shweta Mohan |
| 20. | Thorat Yash Ramesh | 55 | Mulla Taufik Usman |
| 21. | Sur Krishnkumarsinh | 56 | Bobade Durga Manoj |
| 22. | Chorghade Vijay Namdev | 57 | Bodkhe Shrinath Balaji |
| 23. | Dhakne Dhanraj Shriram | 58 | Borhade Anuj Vivek |
| 24. | Gosavi Deepali Shrikrushna | 59 | Chaudhari Sakshi Nitin |
| 25. | Hiremath Niraj Sharanayya | 60 | Kulkarni Yash Balkrushna |
| 26. | Ishte Kirti Dattatray | 61 | Mane Digvijay Bharat |
| 27. | Jadhav Rupesh Ramrao | 62 | Adhav Atharv Raju |
| 28. | Joshi Atharva Praful | 63 | Adsul Jivan Kantilal |
| 29. | Nigade Nikita Nanasahab | 64 | Aglave Akanksha Sanjay |
| 30. | Khair Pooja Sunil | 65 | Akolkar Shrutika Bhimraj |
| 31. | Sabale Sahil Maruti | 66 | Shirude Atharva Bhagwan |
| 32. | Sambare Dattatray Shrikrushna | 67 | Sontakke Rutuja Kiran |
| 33. | Sapkal Tushar Shrimant | 68 | Talekar Sanika Sanjay |
| 34. | Wakude Shrikrushna Santosh | 69 | Bagalkot Priti Mohan |
| 35. | Wankhede Khushi Kailas | 70 | Barge Kunal Gajanan |



Progressive Education Society's
MODERN COLLEGE OF PHARMACY
Yamunanagar, Nigdi, Pune -44



| Sr. No. | Name of Participants | Sr. No. | Name of Participants |
|---------|----------------------------|---------|-------------------------|
| 71 | Dhumal Shraddha Swapnil | 86 | Shreeparna Bhattacharya |
| 72 | Dudhabhate Rutuja Anuraj | 87 | Vasundhara Deosarkar |
| 73 | Gaikwad Anish Arun | 88 | Siddhi Dhawade |
| 74 | Gambhir Suyash Deepak | 89 | Niranjan Hingane |
| 75 | Chaukate Prerana Adinath | 90 | Ankit Jadhao |
| 76 | Chavan Arati Santosh | 91 | Yuvraj Jadhav |
| 77 | Dhumekar Vedashree Anil | 92 | Rutika Kamble |
| 78 | Dudhade Devendra Sanjay | 93 | Neerav Motwani |
| 79 | Galande Shubham Vijay | 94 | Nikita Sanap |
| 80 | Ghogare Nilesh Balaji | 95 | Kirti Savali |
| 81 | Reddy Mahesh Rajkumar | | |
| 82 | Shinde Tejas Subhash | | |
| 83 | Shirke Rui Vijay | | |
| 84 | Kamble Anushka Anil | | |
| 85 | Kamble Anushka Arvindkumar | | |
| | | | |


Prof. R. M. Gurav
Induction Program Coordinator




Dr. P. D. Chaudhari
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Progressive Education Society's
MODERN COLLEGE OF PHARMACY
Yamunanagar, Nigdi, Pune -44



| | | |
|-----|------------------------------------|--|
| 1. | Name of activity | Guest lecture on "Goal getting" |
| 2. | Date of activity | 5 th January 2022 |
| 3. | Time | 12:00 pm to 2:00 pm |
| 4. | Speaker | Hon. Vivek Doba (Director at VDTs Digital Services) |
| 5. | No. of total students participated | 95 |
| 6. | Occasion of activity | Induction Program |
| 7. | Inauguration by | Dr. Mahesh D. Burande and Dr. Pravin D. Chaudhari sir |
| 8. | Place of activity | MIBS (formerly IMCD) Building, Seminal Hall, Nigdi. |
| 9. | Objectives of activity | <p>Progressive Education Society's Modern College of Pharmacy, Nigdi has organized has initiated 03 days Induction Program for First Year B. Pharm, Direct Second Year, First Year Pharm. D., Second Year Pharm. D. & Fourth Year Pharm D. (P.B.) students to inculcate holistic way of understanding the society and relationships.</p> <p>Purpose of the Student Induction Program is to help new students adjust and feel comfortable in the new environment, inculcate culture of the institution in them, help them build bonds with other students and faculty members, practice human values to build characters and expose them to a sense of larger purpose and self-exploration.</p> |
| 10. | Outcome of activity | Participants have enlightened about the importance of Goals in life. They get to know that Everyone should have goals in life. When you have a goal, you live for that goal and put effort each day to achieve it And when you achieve that goal, it brings you unlimited happiness. Session helps participant to set their life Goals |





Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Progressive Education Society's
MODERN COLLEGE OF PHARMACY
Yamunanagar, Nigdi, Pune -44



Photos of Activity



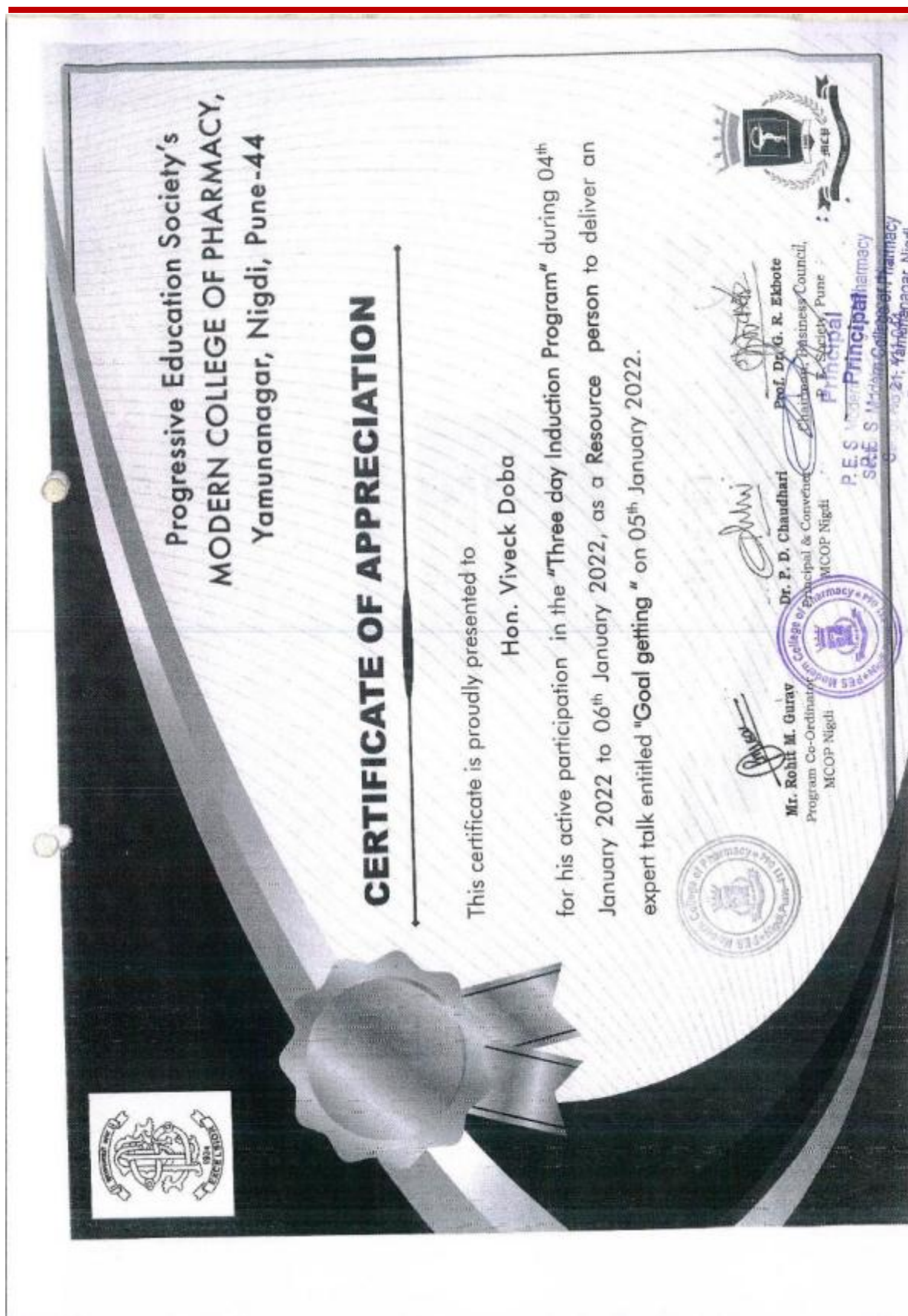


Prof. R. M. Gurav
Induction Program Coordinator

Dr. P. D. Chaudhari
Principal




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.





MOU with Vivekanand Kendra Kanyakumari (Shakha:PimpriChinchwad), Pune.

Summary of activities under MOU

| Sr no | Academic Year | Name of Activity | No of beneficiaries | Start Date | End Date |
|-------|---------------------------|---|---------------------|------------|------------|
| 1 | 2021-2022 | Guest Lecture | 95 | 05/01/2022 | 05/01/2022 |
| 2 | 2022-2023 | Leadership development camp | 50 | 08/10/2022 | 08/10/2022 |
| 3 | 2022-2023 | State level youth Leadership development camp | 05 | 24/12/2022 | 27/12/2022 |
| 4 | 2022-2023 | National youth day celebration | 100 | 12/01/2023 | 12/01/2023 |



विवेकानंद केंद्र - कन्याकुमारी

शाखा: चिंचवड

५५, यामुनानगर, चैतन्य सभागृह समीर, चिंचवड, पुणे : ४११०३३
दूरध्वनी: ९६०४६८३८०१, ९२७०२४६९०१, ९९२२९४६३१४ ईमेल: chinchwad@vkendra.org



Ref No: VKK/PCMC/२०२०-२१/

दिनांक: 12/01/2020

Memorandum of Understanding (MoU)

Between

Progressive Education Society's Modern College of Pharmacy

Nigdi Pune (First Party)

And

Vivekanand Kendra Kanyakumari

Shakha – Pimpri Chinchwad (Second Party)

Are pleased to put their hands together to enter into a Memorandum of Understanding as mentioned below in the field of 'Overall student development' sharing for mutual interest.

In the MoU both the above mentioned organizations have been individually referred to as "Party" and jointly as "Parties".

Objectives of the MoU

1. To promote interaction between Progressive Education Society's Modern College of Pharmacy, Nigdi Pune and Vivekanand Kendra Kanyakumari Shakha –Pimpri Chinchwad for the benefits of overall development of the students.
2. The main motive of this initiative is to provide "man making education and ethical values" to the students along with academic excellence.
3. Sharing of technical knowledge and student improvement programs.
4. Participation of both organizations in social activities.
5. Exchange the ideas about "Human Resource Development".
6. Conduct joint research in the area of mutual interest.
7. Organize meetings/workshops/seminars.
8. Approaching for on field training for the students.

विवेकानंद केंद्राच्या कन्याकुमारी शाखा (२०२०-२१) याचे अध्यक्ष म्हणून निदेशावर स्वाक्षरी करून घेऊन, ८०-८ तराईदल, अहमदनगर, महाराष्ट्र, ४३१००१, पुणे येथे पोहोचविले जाईल.

द्वारे निदेशावर स्वाक्षरी करून घेऊन, ८०-८ तराईदल, अहमदनगर, महाराष्ट्र, ४३१००१, पुणे येथे पोहोचविले जाईल.

Acc. Details: Vivekanand Kendra - Chinchwad 20190354140 IFSC Code: MAHR0000127



Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



विवेकानंद केंद्र - कन्याकुमारी

शाखा: चिंचवड

५९, एवमानगर, वैतन्य सभागृह समोर, चिंचवड, पुणे : ४११०३३
दूरध्वनी: ९६०४६८३८०१, ९२७०२४६९०१, ९९२२९४६३१४ ईमेल: chinchwad@vivekananda.org



Ref No: VKK/PCMC/२०२०-२१/

दिनांक: 12/01/2020

Areas of Collaboration:

Major areas identified from Vivekananda Kendra Kanyakumari Shakha – Pimpri Chinchwad for - Progressive Education Society's Modern College of Pharmacy, Nigdi Pune are as follows:

- I. To conduct workshop Let's Play Exam! Exam!! For Pharmacy students which minimizes fear of exam and changes attitude about exam and education.
- II. Take responsibility of International Day of Yoga.
- III. Conduct leadership development programs for all the students. It may be further divided in three phase namely online exam, one day camp and three days residential camp.
- IV. Help to identify speaker for cultural activities, national festival etc.
- V. Sharing of all information about Vivekananda Rock Memorial (VRM) for case study of VRM from Management perspective.
- VI. To conduct workshop for faculty members and non teaching staff.

Major areas identified from Progressive Education Society's Modern College of Pharmacy, Nigdi Pune for Vivekananda Kendra Kanyakumari Shakha – Pimpri Chinchwad are as follows:

- I. Availability of infrastructure for various workshops and functions along with necessary arrangements.
- II. Assistance of faculty members and support staff for continuous follow up of Pharmacy students to observe academic excellence due to workshop.
- III. Make awareness in students regarding participation in the leadership development program.
- IV. Availing Library facilities for VIVEKANANDA KENDRA volunteers.
- V. Participation of the institute in the activities organized by Vivekananda Kendra Kanyakumari Shakha – Pimpri Chinchwad social activities.

Terms and Termination

1. First party can use the name and logo of the second party for organizing the program only after taking the written consent.
2. First party should appoint minimum one student representative and a staff representative who will coordinate with single point of contact appointed by the second party.
3. First party should provide proper space to display the banner, pamphlet, leaflet etc. to spread the awareness about the upcoming activities planned by second party.
4. This MoU may be altered by mutual written consent of both parties by the request of either party. Any alterations shall become effective at the time that both parties indicate their consent in writing.
5. This MoU, unless extended by mutual written agreement of the parties, shall expire 5 years after the effective date specifies in the opening paragraph.
6. This MoU may be terminated earlier by mutual written agreement of the parties at any time. Either party shall have the right to unilaterally terminate this MoU upon 30 days prior written notice to the party.

विवेकानंद केंद्राच्या माध्यमातून विवेकानंद केंद्र (रजि. नं. ३४३९११६३) याचे प्राधिकावेगळी शाखा/आयकराकडून नुसार, ४०-६ मंगळीदर्या, आंध्र प्रदेश, भारत.
द्वितीय शाखा/आयकराकडून नुसार, ४०-६ मंगळीदर्या, आंध्र प्रदेश, भारत. / या शाखा/आयकराकडून नुसार, ४०-६ मंगळीदर्या, आंध्र प्रदेश, भारत.
Acc. Details: "Vivekananda Kendra - Chinchwad" : 20160314140 IFSC Code: MAH0000127



Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



विवेकानंद केंद्र - कन्याकुमारी

शाखा: चिंचवड

५५, पवनानगर, चैतन्य सभागृह समोर, चिंचवड, पुणे : ४११०३३

दूरध्वनी: ९६०४६८३८०१, ९२७०२४६९०१, ९९२२९४६३१४ ईमेल: chinchwad@vkendra.org

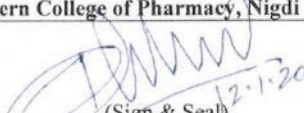
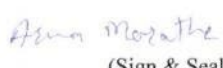


Ref No: VKK/PCMC/२०२०-२१/

दिनांक: 12/01/2020

The parties have caused their respective duly authorized representatives to execute and deliver this agreement on the dated mentioned herein above.

Place : Nigdi Pune

| For Progressive Education Society's Modern College of Pharmacy, Nigdi Pune | For Vivekananda Kendra KanyakumariShakha – PimpriChinchwad |
|--|---|
|  (Sign & Seal) 12.1.2020 |  (Sign & Seal) |
| Name – Dr. P. D. Chaudhari | Name – Smt. Aruna Marathe |
| Title – Principal | Title – Sanchalika & Sanyojak |



Witness 1.

Dr. A. A. Phatak



Witness 2

Dr. Bhushan P. Pimple

विवेकानंदशिलास्मारकआणिविवेकानंदकेंद्र (रजि. नं. ३४औक १९६३) यांचेआयकरदेणगीदारासआयकरकायदानुसार, ८०-८ तरतुदीद्वारेआयकरसुटमिळते.

देणगीदारांनीधनदेशवाढी. ड्रफ्टस"विवेकानंदकेंद्र - चिंचवड" / यानावांनीकन्याकुमारी. अथवापैसेयाखातेकमकावरट्रान्सफरकरतायेतील:

Acc. Details: "Vivekanand Kendra - Chinchwad" 20160354140 IFSC Code:MAHB0000127



Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044



Progressive Education Society's
MODERN COLLEGE OF PHARMACY

Accredited by NAAC & NBA
DST FIST Funded College

'Best College Award' by Savitribai Phule Pune University

Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently affiliated to
Savitribai Phule Pune University, Pune & Approved under Section 12 (f) & 12 (B) of UGC Act, 1956

Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044. (M.S.) Tel. : 020-27661314 / 15

E-mail : mcpnigdi44@gmail.com Website : www.mcop.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. Gajanan R. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council
P.E.Society, Pune

Ref :

Date :

Summary of Activity done under MOU Year wise

Name of concern Industry/Institute/Organization: Vivekanand Kendra Kanyakumari
(Shakha: Pimpri Chinchwad)

Date of MOU: 12/01/2020 to 11/01/2025

Validity Period of MOU: 05 years

| Sr no | Academic Year | Name of Activity | No of beneficiaries | Start Date | End Date |
|-------|---------------|---|---------------------|------------|------------|
| 1 | 2021-2022 | Guest Lecture | 95 | 05/01/2022 | 05/01/2022 |
| 2 | 2022-2023 | Leadership development camp | 50 | 08/10/2022 | 08/10/2022 |
| 3 | 2022-2023 | State level youth Leadership development camp | 05 | 24/12/2022 | 27/12/2022 |
| 4 | 2022-2023 | National youth day celebration | 100 | 12/01/2023 | 12/01/2023 |

Dr. Pravin D. Chaudhari
Principal and Professor



MoU Incharge


Vivekanand Kendra Kanyakumari (Shakha: Pimpri Chinchwad)




STRIVING TOWARDS EXCELLENCE FOREVER



2021-2022



Progressive Education Society's
MODERN COLLEGE OF PHARMACY
Accredited by NAAC
Best College Award by Savitribai Phule Pune University



Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently Affiliated to
Savitribai Phule Pune University, Pune & Approved under Section 2 (f) & 12 (B) of UGC Act, 1956

Section No.21, Yamunanagar, Nigdi, Pune-411 044. (M.S.) Tel : 020-27661315 Fax: 020-27661314
E-mail : mcpnigdi44@gmail.com Website : www.mcop.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. G. R. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council

Date: 31/12/2021


NOTICE


All First Year B. Pharm, Direct Second Year, First Year Pharm. D., Second Year Pharm. D. & Fourth Year Pharm D. (P.B.) students are hereby informed that your **"Three Days Induction Program"** is scheduled from **Tuesday, 04/01/2022 to Thursday, 06/01/2022.** **Guest lecture on "Swami Vivekananda: Ideal of youth" by Dr.Rupa Shaha** (Vivekananda Kendra Kanyakumari Branch-PCMC) is scheduled on **05/01/2022 at 11:00 am to 12:00 pm**


Attendance is mandatory.

Venue: MIBS (formerly IMCD) Building, Seminal Hall, Nigdi.

Session wise schedule are attached with this notice.
Follow all the guidelines of covid-19 during the program.


Prof. R. M. Gurav
Induction Program Coordinator




Dr. P. D. Chaudhari
Principal
Principal
P.E.S. Modern College of Pharmacy
Sector No. 21, Nigdi,
Pune



**Progressive Education Society's
MODERN COLLEGE OF PHARMACY
Yamunanagar, Nigdi, Pune -44**



Name of Activity: Induction Program

Date: 04/01/2022 to 06/01/2022

Date of Activity: 05/01/2022


| Sr. No. | Name of Participants | Sr. No. | Name of Participants |
|---------|-------------------------------|---------|----------------------------|
| 1. | Adhalrao Vaishnavi D | 36 | Yadav Amit Rajbali |
| 2. | Gopnar Keshav Ranjeetrao | 37 | Yeole Mrugaja Rajendra |
| 3. | Aaditya Gaikwad | 38 | Zinjurke Siddesh Kalyan |
| 4. | Prafull Kamjalge | 39 | Pande Aishwarya Narharirao |
| 5. | Satsang Kumthekar | 40 | Pathade Aditi Ambadas |
| 6. | Soham Misal | 41 | Sawant Omkar Ravindra |
| 7. | Shweta Nagare | 42 | Shendage Rohit Janardan |
| 8. | Laasya Ratna Pagadala | 43 | Shinde Rohit Ananda |
| 9. | Srusti Sonawane | 44 | Shirke Vaishnavi Vishnu |
| 10. | Sindhav Krushnarajsinh | 45 | Phalke Pratik Kiran |
| 11. | Solanke Omkar Shivaji | 46 | Raut Mahesh Digambar |
| 12. | Barhate Jay Jitendra | 47 | Reddy Mahesh Rajkumar |
| 13. | Bhale Geetanjali Narayan | 48 | Sabale Sahil Maruti |
| 14. | Bhandare Akanksha Abhijit | 49 | Kandekar Tejas Vijay |
| 15. | Bhumkar Pankaj V | 50 | Kapse Yash Raju |
| 16. | Birje Siddhi Omprakash | 51 | Pande Aishwarya Narharirao |
| 17. | Bisane Nisarga Nandkishor | 52 | Pathade Aditi Ambadas |
| 18. | Sur Krishnkumarsinh | 53 | Mathapati Tushar Mallinath |
| 19. | Suryawanshi Chanchal Raju | 54 | Mhetre Shweta Mohan |
| 20. | Thorat Yash Ramesh | 55 | Mulla Taufik Usman |
| 21. | Sur Krishnkumarsinh | 56 | Bobade Durga Manoj |
| 22. | Chorghade Vijay Namdev | 57 | Bodkhe Shrinath Balaji |
| 23. | Dhakne Dhanraj Shriram | 58 | Borhade Anuj Vivek |
| 24. | Gosavi Deepali Shrikrushna | 59 | Chaudhari Sakshi Nitin |
| 25. | Hiremath Niraj Sharanayya | 60 | Kulkarni Yash Balkrushna |
| 26. | Ishte Kirti Dattatray | 61 | Mane Digvijay Bharat |
| 27. | Jadhav Rupesh Ramrao | 62 | Adhav Atharv Raju |
| 28. | Joshi Atharva Praful | 63 | Adsul Jivan Kantilal |
| 29. | Nigade Nikita Nanasahab | 64 | Aglave Akanksha Sanjay |
| 30. | Khair Pooja Sunil | 65 | Akolkar Shrutika Bhlmaraj |
| 31. | Sabale Sahil Maruti | 66 | Shirude Atharva Bhagwan |
| 32. | Sambare Dattatray Shrikrushna | 67 | Sontakke Rutuja Kiran |
| 33. | Sapkal Tushar Shrimant | 68 | Talekar Sanika Sanjay |
| 34. | Wakude Shrikrushna Santosh | 69 | Bagalkot Priti Mohan |
| 35. | Wankhede Khushi Kailas | 70 | Barge Kunal Gajanan |



Progressive Education Society's
MODERN COLLEGE OF PHARMACY
Yamunanagar, Nigdi, Pune -44



| Sr. No. | Name of Participants | Sr. No. | Name of Participants |
|---------|----------------------------|---------|-------------------------|
| 71 | Dhumal Shraddha Swapnil | 86 | Shreeparna Bhattacharya |
| 72 | Dudhabhate Rutuja Anuraj | 87 | Vasundhara Deosarkar |
| 73 | Gaikwad Anish Arun | 88 | Siddhi Dhawade |
| 74 | Gambhir Suyash Deepak | 89 | Niranjan Hingane |
| 75 | Chaukate Prerana Adinath | 90 | Ankit Jadhao |
| 76 | Chavan Arati Santosh | 91 | Yuvraj Jadhav |
| 77 | Dhumekar Vedashree Anil | 92 | Rutika Kamble |
| 78 | Dudhade Devendra Sanjay | 93 | Neerav Motwani |
| 79 | Galande Shubham Vijay | 94 | Nikita Sanap |
| 80 | Ghogare Nilesh Balaji | 95 | Kirti Savali |
| 81 | Reddy Mahesh Rajkumar | | |
| 82 | Shinde Tejas Subhash | | |
| 83 | Shirke Rui Vijay | | |
| 84 | Kamble Anushka Anil | | |
| 85 | Kamble Anushka Arvindkumar | | |


Prof. R. M. Gurav
Induction Program Coordinator




Dr. P. D. Chaudhari
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Progressive Education Society's
MODERN COLLEGE OF PHARMACY
Yamunanagar, Nigdi, Pune -44



| | | |
|-----|------------------------------------|--|
| 1. | Name of activity | Guest lecture on "Swami Vivekananda: Ideal of youth" |
| 2. | Date of activity | 5 th January 2022 |
| 3. | Time | 11:00 am to 12:00 pm |
| 4. | Speaker | Dr. Rupa Shaha (Vivekananda Kendra Kanyakumari Branch-PCMC) |
| 5. | No. of total students participated | 95 |
| 6. | Occasion of activity | Induction Program |
| 7. | Inauguration by | Dr. Mahesh D. Burande and Dr. Pravin D. Chaudhari sir |
| 8. | Place of activity | MIBS (formerly IMCD) Building, Seminal Hall, Nigdi. |
| 9. | Objectives of activity | <p>Progressive Education Society's Modern College of Pharmacy, Nigdi has organized has initiated 03 days Induction Program for First Year B. Pharm, Direct Second Year, First Year Pharm. D., Second Year Pharm. D. & Fourth Year Pharm D. (P.B.) students to inculcate holistic way of understanding the society and relationships.</p> <p>Purpose of the Student Induction Program is to help new students adjust and feel comfortable in the new environment, inculcate culture of the institution in them, help them build bonds with other students and faculty members, practice human values to build characters and expose them to a sense of larger purpose and self-exploration.</p> |
| 10. | Outcome of activity | Participants understood about Swami Vivekananda and their yoga techniques that provided insight into the wide range of India's spiritual cultures. She described Vivekananda meditation and yoga as a method of self-evaluation of all ideas in the brain. These practical teachings of yoga and meditation benefited participants to understand the technique of meditation |




Principal

P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Progressive Education Society's
MODERN COLLEGE OF PHARMACY
Yamunanagar, Nigdi, Pune -44



Photos of Activity



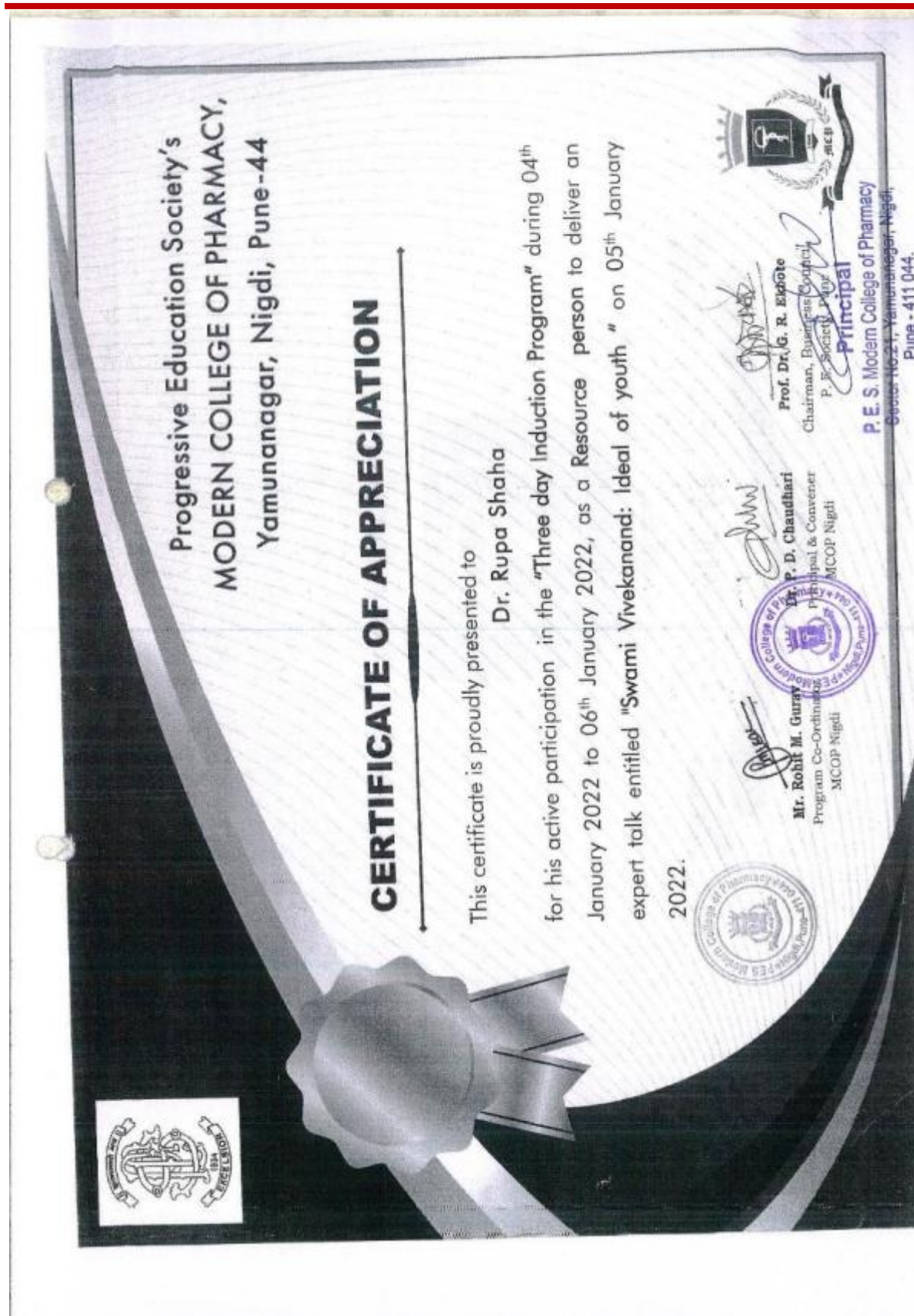
Prof. R. M. Gurav
Induction Program Coordinator

Dr. P. D. Chaudhari
Principal




Principal

P. E. S. Modern College of Pharmacy
Sector 1, Yamunanagar, Nigdi,
Pune - 411 044.






2022-2023



Progressive Education Society's
MODERN COLLEGE OF PHARMACY
Accredited by NAAC
Best College Award by Savitribai Phule Pune University



Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently Affiliated to
Savitribai Phule Pune University, Pune & Approved under Section 2 (f) & 12 (B) of UGC Act, 1956

Section No.21, Yamunanagar, Nigdi, Pune-411 044. (M.S.) Tel: 020-27661315 Fax: 020-27661314
E-mail: mcopnigdi44@gmail.com Website: www.mcop.org.in

| | |
|---|---|
| Prof. Dr. P. D. Chaudhari M.Pharm., Ph.D. Principal | Prof. Dr. G. R. Ekbole M.Sc., M.N.A.M.S. Chairman, Business Council |
|---|---|



Date: 03/10/2022

NOTICE

All the B.Pharm, Pharm.D students of Modern College of Pharmacy Nigdi are hereby informed that the Swami Vivekananda Kendra Chinchwad Pune will be conducting Yuva Netrutva Vikasan camp (Leadership development camp). All the NSS unit students and interested students note that you have to gather in seminar hall on 08.10.2022 at seminar hall.

Date: 08.10.2022
Time: 12:00 pm to 4:00 pm
Venue: Seminar Hall


Note:
Carry small note book along with pencil with you.
Attendance is compulsory to all NSS students.
Students must carry the ID card for the program.
For more updates follow the official Facebook & Instagram Account of MCOP Nigdi



Dr. P. D. Chaudhari
Principal

Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

STRIVING TOWARDS EXCELLENCE FOREVER



Vivekanand Kendra

विवेकानंद केंद्र कन्याकुमारी
महाराष्ट्र प्रांत

युवा नेतृत्व विकसन उपक्रम

प्रमाणपत्र


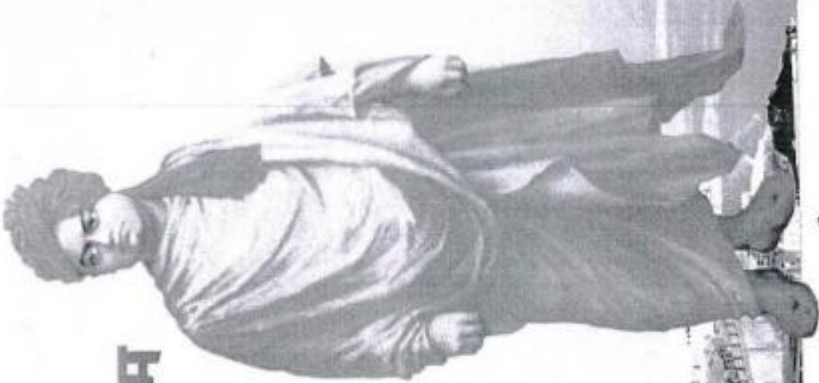
Shreya Tukaram Sonawane


कुमार/कुमारी

याने / हिने युवा नेतृत्व विकसन उपक्रमात यशस्वी सहभाग घेतल्याबद्दल आपणांस सन्मानपूर्वक हे प्रमाणपत्र देण्यात येत आहे. (अभिर्नतु !)

दि. :

स्थळ : Modern College
of Pharmacy, Nigdi





प्रांत प्रमुख
अभय बापट

प्रांत संचालक
किरण किर्तने P. E. S. Modern College of Pharmacy, Nigdi,
Sector No. 21, Yamunanagar, Nigdi,
Pune - 411 044.

Principal
Principles नेतृत्व विकसन उपक्रम प्रमुख



P. E. Society's
Modern College of Pharmacy, Nigdi, Pune-44

NSS REGULAR ACTIVITY REPORT 2022-2023

| | | |
|-----|-------------------------------|---|
| 1. | Name of activity | Youngsters Personality Development |
| 2. | Date of activity | 8.10.2022 |
| 3. | Time | 12 PM-3PM |
| 4. | Total no students participate | 50 |
| 5. | Occasion of activity | NSS Activity |
| 6. | Inauguration by | Dr. Atul Pathak |
| 7. | Place of activity | Yamuna Nagar Nigdi Pune Maharashtra 411044 |
| 8. | Objectives of activity | To develop students skills and overall behavior to face challenges. To encourage students for participation of extra-co curricular activity. To develop students positive attitude and confidence to face examination. |
| 9. | Outcome of activity | Students got idea regarding how to study difficult things by drawing map for memorization. Students are aware of importance of positive thinking. Students know the role of books, Yoga, meditation and healthy diet in our life. |
| 10. | Activity co-coordinator | Ms. P.V.Bagade Mr. R.M.Gurav |



Principal
P. E. S. Modern College of Pharmacy
Sector No 21, Yamunanagar, Nigdi,
Pune - 411 044.

Photos of activity


Mr. R.M. Gurav
NSS Program officer




Dr. P.D. Chaudhari
Principal
P.E.S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



07

**P. E. Society's
Modern College of Pharmacy, Nigdi. Pune-44
NSS Regular Activity Report 2022-23**

Name of Activity: Youngsters Personality Development Workshop

Date & Time: 08/10/2022, 10:00 am to 01:00 pm

Venue: College Campus

| Sr. No. | Name of Student | Class | Signature |
|---------|---------------------|---------------|------------------|
| 1 | Sanika Anand Shelar | T.Y. B. Pharm | <i>Sanika</i> |
| 2 | Rohit Baheti | Third year | <i>Rohit</i> |
| 3 | Shadab Shaikh | Third yr | <i>Shadab</i> |
| 4 | Aditya Kasar | T.Y. | <i>Aditya</i> |
| 5 | Udya Chaudhari | T.Y. | <i>Udya</i> |
| 6 | Smriti Phand | T.Y. | <i>Smriti</i> |
| 7 | Ashish Shendulkar | T.Y. | <i>Ashish</i> |
| 8 | Bhumi Bhole | T.Y. | <i>Bhumi</i> |
| 9 | Siddhi Chavan | T.Y. | <i>Siddhi</i> |
| 10 | Shivani Phasale | T.Y. | <i>Shivani</i> |
| 11 | Sohan Bharamba | T.Y. | <i>Sohan</i> |
| 12 | Neha Nevse | T.Y. | <i>Neha</i> |
| 13 | Vaishnavi More | T.Y. | <i>Vaishnavi</i> |
| 14 | Hishikesh Nikam | T.Y. | <i>Hishikesh</i> |
| 15 | Purva Konde | T.Y. | <i>Purva</i> |
| 16 | Deepthi Gunjal | T.Y. | <i>Deepthi</i> |
| 17 | Gauri Kasande | T.Y. | <i>Gauri</i> |
| 18 | Pranav Jadhav | T.Y. | <i>Pranav</i> |
| 19 | Gaurav Kela | T.Y. | <i>Gaurav</i> |
| 20 | Rajesh Chutte | T.Y. | <i>Rajesh</i> |
| 21 | Sayali Shinde | T.Y. | <i>Sayali</i> |
| 22 | Swapnali Shedge | T.Y. | <i>Swapnali</i> |
| 23 | Aditi Bonde | T.Y. | <i>Aditi</i> |
| 24 | Dipak Gonde | T.Y. | <i>Dipak</i> |
| 25 | Omkar Jadhav | T.Y. | <i>Omkar</i> |



Principal
P. E. S. Modern College of Pharmacy
Sector No. 21, Yamunanagar, Nigdi,
Pune - 411 044.



| Sr. No. | Name of Student | Class | Signature |
|---------|------------------------|---------------|-----------|
| 26 | gore vikas | T.Y.B | |
| 27 | Prathamesh Panzade | T.Y. | |
| 28 | onkar Jadhav | T.Y.B | |
| 29 | Saavesh Kulkarni | T.Y.B. Pharm. | |
| 30 | sakshi palve | T.Y. | |
| 31 | Abhinav Thorat | T.Y. | |
| 32 | Ankita Khaire | T.Y. | |
| 33 | Aditya Babhalkar | T.Y.B Pharm | |
| 34 | Vinayakarshik Kulkarni | T.Y.B Pharm | |
| 35 | Vashraj Dhamale | T.Y. | |
| 36 | Vishal Sardahe | T.Y.B. | |
| 37 | Ajit Saini | T.Y.B. | |
| 38 | Pratham Pawar | T.Y.B | |
| 39 | Vishal Gargwane | T.Y.B | |
| 40 | Utkarsha Patil | Final Y | |
| 41 | Tejashree Rane | Final Y | |
| 42 | Gautami Khunsaba | T.Y. | |
| 43 | Deveshree Patil | T.Y. | |
| 44 | Pamdeshi Pnema | T.Y.B. | |
| 45 | Ishwari masam | T.Y.B | |
| 46 | Pranaya Nawale | T.Y.B Pharm | |
| 47 | Prathamush Khandale | T.Y.B Pharm | |
| 48 | Aditya Nagle | T.Y. | |
| 49 | Tanmay Satkar | Final Year | |
| 50 | Om Dhengale | T.Y. | |

Youngsters Personality Development Workshop

NSS Program Officer



Principal
P.E.S. Modern College of Pharmacy
Sector No. 1, Jamunanagar, Nigdi,
Pune - 411 044.



विवेकानंद केंद्र - कन्याकुमारी

शाखा: चिंचवड

५५, एमनागर, येरवने समानुह समीर, चिंचवड, पुणे : ४११०३३

दूरध्वनी: ९६०४६८३८०१, ९२७०२४६९०१, ९२२२९४६३१४ ईमेल: info@vivekanandakendra.org



Date : 18/10/2022

To,
Respected Principal,
Modern collage of pharmacy,
Nigadi

Sub:- Youth Leadership Development Camp

Following volunteers of Modern College of Pharmacy, Nigdi are selected for the 3 days State level Youth Leadership Development Camp organised by the Swami Vivekanand Kendra on 24th December to 27th December 2022 at Kanyakumari, TamilNadu.

| Sr. No. | Name of Volunteer | Class |
|---------|----------------------------|-------------|
| 1. | Mahesh Digambar Raut | S.Y.B.Pharm |
| 2. | Tushar Rajabhai Varat | S.Y.B.Pharm |
| 3. | Nilesh Balaji Ghogare | S.Y.B.Pharm |
| 4. | Yash Balkrushna Kulkarni | S.Y.B.Pharm |
| 5. | Omkar Ravindra Sawant | S.Y.B.Pharm |
| 6. | Siddhesh Kalyan Zinzurke | S.Y.B.Pharm |
| 7. | Tushar Shrimant Sapkal | S.Y.B.Pharm |
| 8. | Rohit Ananda Shinde | S.Y.B.Pharm |
| 9. | Shrikrushna Santosh Wakude | S.Y.B.Pharm |
| 10. | Rupesh Ramrao Jadhav | S.Y.B.Pharm |
| 11. | Rohit Maruti Gurav | Faculty |

Thank you,

Your polite,

Mrs. Arunatai Marathe
(9604683801)
Sanchalika

Mr. Pundalik Mate
(9881042443)
Nagar Pramukh

Mr. Avinash Gokhale
(9922946314)
Vyavastha pramukh




विवेकानंद केंद्र, कन्याकुमारी (पिन नं. २४३५२९८३) यांचे आयोजन करत असलेल्या या कार्यशाळेसाठी, २०-६ नव्हते यावेळी या कार्यशाळेसाठी निवडलेले विद्यार्थ्यांची यादी. या कार्यशाळेसाठी निवडलेले विद्यार्थ्यांची यादी. या कार्यशाळेसाठी निवडलेले विद्यार्थ्यांची यादी.
Acc. Details: "Vivekanand Kendra Kanyakumari" Branch - Chiturbhed - 009720100044209 PSC Code 355/0000039





Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044



2022-2023

|    | | |
|---|------------------------------------|---|
| P. E. Society's Modern College of Pharmacy, Nigdi, Pune-44 | | |
| NSS REGULAR ACTIVITY REPORT 2022- 2023 | | |
| 1. | Name of activity | 3 Days "Youth Leadership Development Camp" Kanyakumari |
| 2. | Date of activity | 24/12/2022 to 27/12/2022 |
| 3. | Time | 7:00 am to 9:00 pm |
| 4. | No. of total students participated | 05 |
| 5. | Occasion of activity | - |
| 6. | Place of activity | Swami Vivekanand Kendra, Kanyakumari, Tamilnadu. |
| 7. | Objectives of activity | To develop the leadership among the students To improve Communication & Management Skills. |
| 8. | Outcome of activity | Outcomes for youth participating in leadership development programming are increased self-efficacy and the development of skills relevant to success in adulthood and the workplace such as decision-making and working well with others. |
| 9. | Activity co-coordinator | Mr. R.M.Gurav |

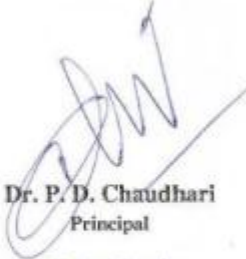



Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.




Dr. Rajani B. Mali
NSS Program Officer


Mr. R. M. Gurav
NSS Program Officer


Dr. P. D. Chaudhari
Principal



Principal
P. E. S. Modern College of Pharmacy
Sector 12, Nigdi, Pune



विवेकानंद केंद्र कन्याकुमारी

शास्त्रा : गिंपरी-चिंचवड

५९, पदनागर, चैतन्य समाग्रसंगीत, चिंचवड, पुणे - ४११०३३.
दूरध्वनी : ९६०४६६३८०९, ९२७०२४६९०९, ९९२२९४६३१४
Email : chinchwad@vkendra.org

प्रशस्तीपत्र

कुमार/कुमारी प्रा. रोहित मारुती गुरुव
ह्यास/हीस "गुणा नेतृत्व विकसन" बाल्यस्त्रीय शिबिर, कन्याकुमारी

सहभागी झाल्यानिमित्त हे प्रशस्तीपत्र देण्यात येत आहे.

मनःपूर्वक अभिनंदन ।

दिनांक : २४ ते २७ डिसेंबर २०२२

१/२/२४ ११०५५
अरुणाताई मराठे
केंद्र संचालिका






Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



विवेकानंद केंद्र कन्याकुमारी

शास्त्रा : गिरीश- विवेक

५५, पल्लवमार्ग, वैतन्य सनातनसमोर, विवाह, पुणे - ४११०३३.
दूरध्वनी : ९६०४८३६०९, ९२४०२४६९०९, ९९२९४६३९४
Email : chinchwad@viveka.org

प्रशस्तीपत्र

कुमार/कुमारी श्रीरुणा नंतीव वाळुडे.

ह्यास/ही "युवा नेतृत्व विकास" बाव्यन्वरीय शिबिर, कन्याकुमारी

सहभागी झाल्यानिमित्त हे प्रशस्तीपत्र देण्यात येत आहे.

मतःपूर्वक अतिबंदन !

दिनांक : २४ ते २७ डिसेंबर २०२२

अरुणाताई मराठे
केंद्र संचालिका







Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



2022-2023



Progressive Education Society's
MODERN COLLEGE OF PHARMACY
Accredited by NAAC & NBA (B.Pharm. 2019 to June 2022)
'Best College Award' by Savitribai Phule Pune University

Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently affiliated to
Savitribai Phule Pune University, Pune & Approved under Section (2 (f) & 12 (B) of UGC Act, 1956

Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044, (M.S.) Tel. : 020-27661314 / 15
E-mail : mcopnigdi44@gmail.com Website : www.mcop.org.in




Prof. Dr. P. I. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. Gajanan R. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council
P. E. Society, Pune

Ref : _____ Date : 11/01/2023

All the Pharm D student hereby informed that on 12th January 2023 we will be celebrating National Youth Day on the occasion of birthday of Swami Vivekananda. In view of this day we will be conducting Suryanamsakar activity at 7am. All the students are requested to be present for activity.

Venue : College Ground
Time : 7am – 8am
Note : All are requested to wear Yoga costume or loose comfortable clothes.



Dr. R.B. Mali
NSS Program Officer
Programme Officer
National Service Scheme (NSS)
Modern College of Pharmacy
Nigdi, Pune - 411044

Dr. P.D. Chaudhari
Principal
P. E. S. Modern College of Pharmacy
Sector No 21, Yamunanagar, Nigdi,
Pune - 411 044.

STRIVING TOWARDS EXCELLENCE FOREVER



**P. E. Society's
Modern College of Pharmacy, Nigdi, Pune-44**

NSS REGULAR ACTIVITY REPORT 2022-2023

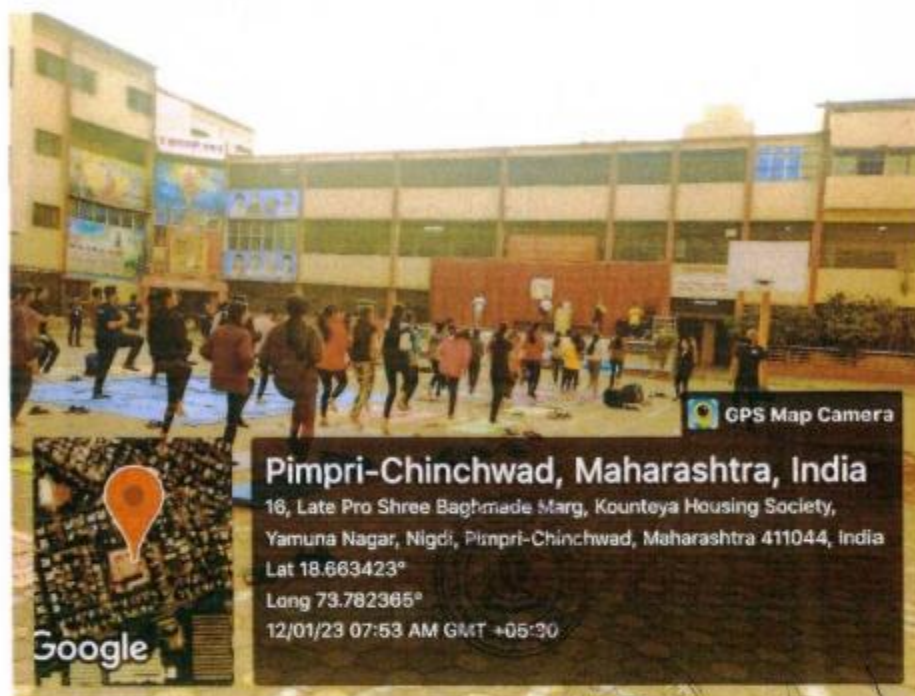
| | | |
|-----|-------------------------------|---|
| 1. | Name of activity | National Youth Day Celebration |
| 2. | Date of activity | 12.01.2023 |
| 3. | Time | 7.00 am to 9.00 am |
| 4. | Total no students participate | 100 |
| 5. | Occasion of activity | National Youth Day (Swami Vivekananda Jayanti) |
| 6. | Inauguration by | Vivekananda Kendra, Kanyakumari |
| 7. | Place of activity | Modern College of Pharmacy, Nigdi |
| 8. | Objectives of activity | It's a total mind-body workout that combines strengthening and stretching poses with deep breathing and meditation or relaxation. |
| 9. | Outcome of activity | That way, yoga can support the healing process and help the person experience symptoms with more centeredness and less distress. It improves strength, balance and flexibility. ... It relaxes you, to help you sleep better. |
| 10. | Activity co-coordinator | R.M. Gurav, Dr. R. B. Mali, Priyanka Bagade |



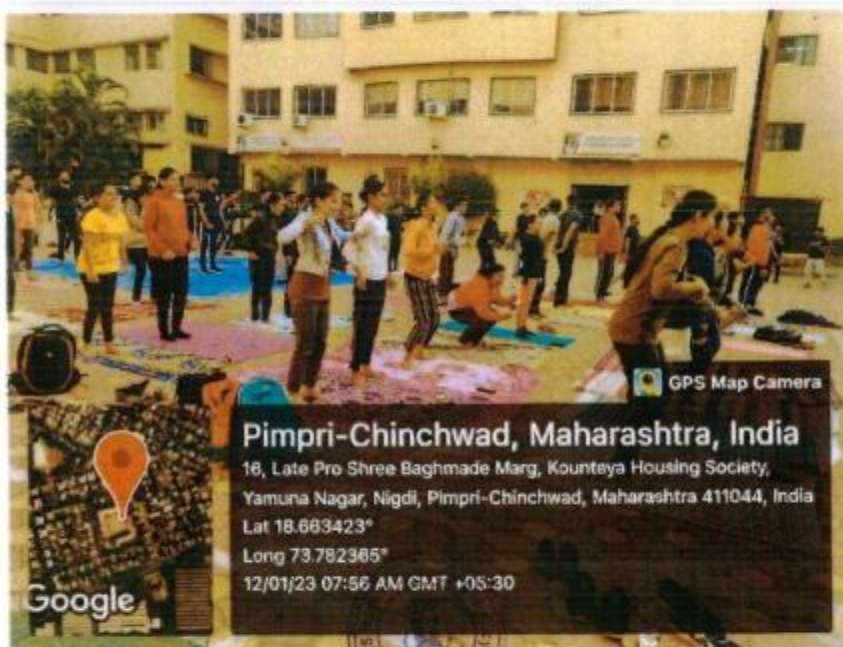
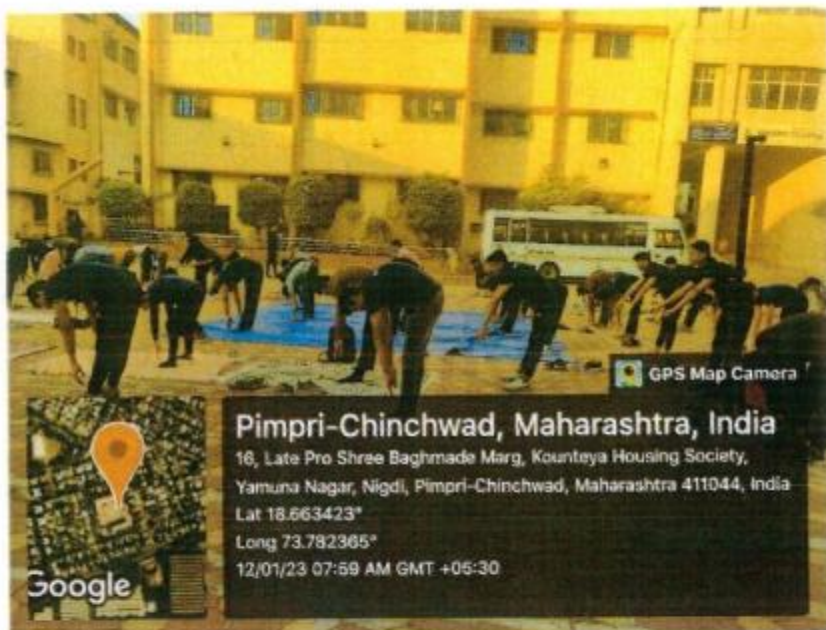
Principal

P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

Photos of activity

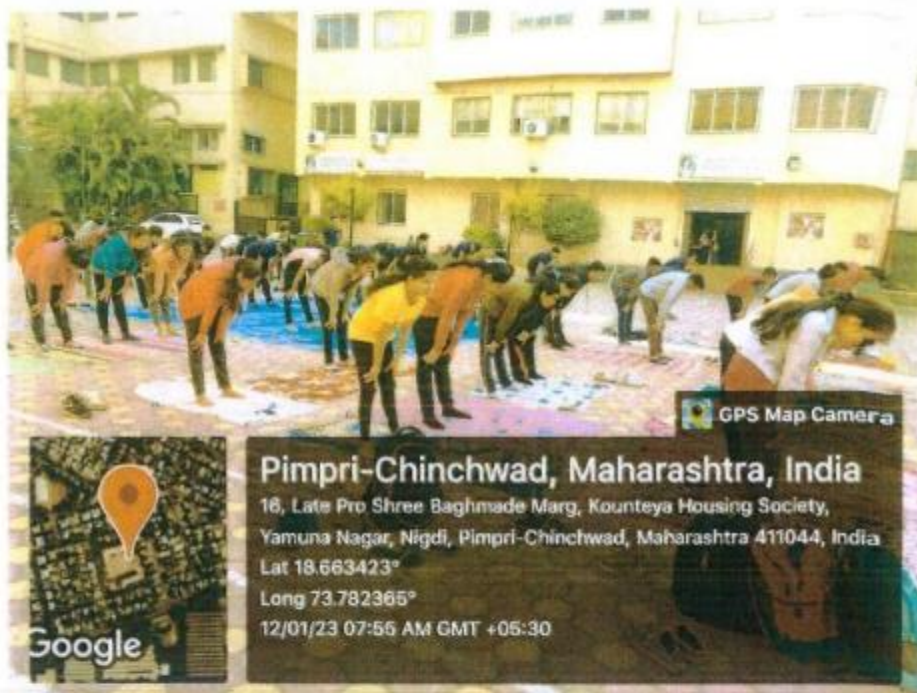



Principal
P. E. S. Modern College of Pharmacy
Sector No. 21, Yamunanagar, Nigdi,
Pune - 411 044.




[Signature]
Principal

P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.




Dr. R. B. Mali
R.M.Gurav
Priyanka Bagade
Program officer's




Dr. P. D. Chaudhari
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Progressive Education Society's
MODERN COLLEGE OF PHARMACY
Yamunanagar, Nigdi, Pune -44



National Youth Day 12/01/2023

Surya Namaskar Activity

| Sr. No. | Volunteer Name | Class | Signature |
|---------|---------------------|--------------------|-----------|
| 1 | Vidya Chaudhari | T.Y.B.Pharm (A) | |
| 2 | Mansi Zangar | Final Year B.Pharm | |
| 3 | Mayuri More | Final yr. B.pharm | |
| 4 | Siddhi Chavan | T.Y.B.Pharm (A) | |
| 5 | Bhumika Bhale | T.Y. B.Pharm (A) | |
| 6 | Madhavi Vekharankar | Final year B.pharm | |
| 7 | Priya Shete | Final year B.pharm | |
| 8 | Adwait Tole | Final Year B.pharm | |
| 9 | Tanvi Madane | T.Y. Pharm D | |
| 10 | Ishwari Musarim | T.Y.B.pharm (B) | |
| 11 | Tarun More | S.Y.B.Pharm (A) | |
| 12 | Rohit Baheti | T.Y.B.Pharm | |
| 13 | Nikhil Joshi | T.Y.PD | |
| 14 | Soham Bharambhe | T.Y.B.Pharm | |
| 15 | Thokal Sujata | 5th yr Pharm D | |
| 16 | Satyam Kumbhar | 5th yr Pharm D | |
| 17 | Ghatule Swapnil | 5th yr Pharm D | |
| 18 | Jadhav Harshal | 5th yr Pharm D | |
| 19 | Balure Sukshamta | 5th yr Pharm D | |
| 20 | Sruuti Sonawane | 2nd yr Pharm D | |
| 21 | Ashaya Mehar | 4th yr Pharm D | |
| 22 | Neha Neuse | 3rd yr B.Pharm | |
| 23 | Kirti Savali | 2nd Pharm D | |
| 24 | Nitesh Misal | Final year | |
| 25 | Devesh Chaudhary | Final year | |
| 26 | Sarvesh Yeale | Final year | |
| 27 | Neha Pandit | Final year | |
| 28 | Akush Pawar | T.Y. | |
| 29 | Shrinath Wadgaonkar | Final year | |
| 30 | Ashish Shinde | Final year | |
| 31 | Sayali Shinde | T.Y. | |
| 32 | Vaishnavi more | T.Y. | |

7.20



P.E.S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044



| Sr. No. | Volunteer Name | Class | Signature |
|---------|------------------------|--------------------|-----------|
| 33 | Raviraj Shinde | Final year B Pharm | |
| 34 | Sonawane Nitinjan | Final year B Pharm | |
| 35 | Atharva Joshi | S-Y B Pharm (B) | |
| 36 | Mahesh Reddy | S-Y B Pharm (A) | |
| 37 | Purva M. Konde | T-Y B Pharm A | |
| 38 | Sakshi Palwe | | |
| 39 | Gauri Karande | | |
| 40 | Shadab Shaikh | T-Y B Pharm B | |
| 41 | Swapanali Shedge | T-Y B Pharm B | |
| 42 | Abhishek Shankar | T-Y - I - | |
| 43 | Sonika Shelar | - I - | |
| 44 | Aditi Bhonde | - I - | |
| 45 | Ankita Khaire | - I - A | |
| 46 | Prerna Patil | - I - B | |
| 47 | Aditya Babhulkar | T-Y B Pharm | |
| 48 | Gaurav Kela | - I - | |
| 49 | Vishal Gangawane | | |
| 50 | Omkar Jadhav | | |
| 51 | Hrushikesh Nigam | | |
| 52 | Pratham Pawar | T-Y B Pharm | |
| 53 | Nikhil Misal | Final | |
| 54 | Devesh Chaudhary | - I - | |
| 55 | Anish Gaikwad | | |
| 56 | Satish Kashraj Dhanale | | |
| 57 | Utkarsha Patil | | |
| 58 | Tejashree Rane | | |
| 59 | Neha Pandit | | |
| 60 | Rajesh Gutte | | |
| 61 | Vishal Sarode | | |
| 62 | Pronav Jadhav | | |
| 63 | Vinayakashish Kulkarni | T-Y | |
| 64 | Bhargav Jagtap | | |
| 65 | Vikas Kurukale | | |
| 66 | Aditya Kasar | | |
| 67 | Shrinath Waghmare | | |
| 68 | Sarvesh Kulkarni | T-Y | |
| 69 | Prathamesh Pandit | | |
| 70 | Vikas Gore | | |
| 71 | Sarvesh Kulkarni | Final Year | |
| 72 | Vikas Kulkarni | | |
| | Arjun Shinde | | |



MOU with Shri Jain Vidya Prasarak
Mandal's, Rasiklal M. Dhariwal Institute
of Pharmaceutical Education &
Research, Chinchwad, Pune

Summary of activities under MOU

| Sr no | Academic Year | Name of Activity | No of beneficiaries | Start Date | End Date |
|-------|---------------------------|---------------------------|---------------------|------------|------------|
| 1. | 2018-2019 | 1. Collaborative research | 2 | 04-12-2018 | 12-03-2019 |
| 2. | 2019-2020 | 1. Collaborative research | 1 | 21-03-2020 | 13-06-2020 |
| | | 2. Collaborative research | 1 | 19-10-2018 | 29-04-2020 |
| | | 3. Collaborative research | 1 | 04-12-2018 | 12-03-2019 |
| | | 4. Collaborative research | 1 | 19-10-2018 | 29-04-2019 |
| 3. | 2020-2021 | 1. Collaborative research | 1 | 02-05-2020 | 04-08-2020 |
| | | 2. Collaborative research | 1 | 21-08-2020 | 08-10-2020 |
| 4 | 2021-2022 | 1. Collaborative research | 1 | 30-12-2020 | 06-09-2021 |
| | | 2. Collaborative research | 1 | 11-02-2020 | 20-10-2021 |
| | | 3. Collaborative research | 1 | 11-10-2020 | 24-11-2021 |
| | | 4. Collaborative research | 1 | 11-01-2021 | 24-03-2021 |
| | | 5. Collaborative research | 1 | 11-10-2020 | 24-05-2021 |
| | | 6. Collaborative research | 1 | 17-01-2021 | 23-03-2021 |
| | | 7. Collaborative research | 1 | 11-01-2021 | 29-03-2021 |
| | | 8. Collaborative research | 1 | 15-01-2021 | 26-03-2021 |
| 5 | 2022-2023 | 1. Collaborative research | 1 | 1-02-2023 | 10-04-2023 |
| | | 2. Collaborative research | 1 | 1-02-2023 | 10-04-2023 |
| | | 3. Collaborative research | 1 | 12-12-2022 | 4-05-2023 |
| | | 4. Collaborative research | 1 | 10-07-2022 | 4-04-2023 |



॥ पढाई माया सजी दया ॥
Shri Jain Vidya Prasarak Mandal's
**Rasiklal M. Dhariwal Institute of
Pharmaceutical Education & Research**



[Formerly Shri Fattchand Jain College of Pharmacy (B.Pharm.)]

Approved by AICTE, PCI New Delhi, DTE Code : PH-6823 & Affiliated to Savitribai Phule Pune University (PU/PN/Pharm/445/2014)

Acharya Anand Rushiji Marg, Telco Road, D-2, 60-61, Chinchwad Station, Pune - 411 019.
Ph.: 020-27459191 Fax No. 020 - 27354633 | Email : rmdiper@gmail.com

Ref. No.: RMDIPER/2019-20/MOU/37CA)

Date : 28/08/2019

ACADEMIC TIE-UP

Progressive Education Society's Modern College of Pharmacy, Sector no-21, Yamunanagar, Nigdi, Pune- 411044, herein referred as the FIRST PARTY (which term unless the context otherwise requires shall include its representatives, successors of assignees of first party)

Shri Jain Vidya Prasarak Mandal's, Rasiklal M. Dhariwal Institute of Pharmaceutical Education & Research, Chinchwad Pune- 411019, herein after referred as the SECOND PARTY (which term unless the context otherwise requires shall include its representatives, successors of assignees of Second party)

PREAMBLE

a) Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune

It is a premium institute imparting education in Pharmaceutical Sciences as well as carrying out research in Pharmaceutical Science. It is recognized by the AICTE, PCI and permanently affiliated to University of Pune. The Institute is approved under Section 2(f) and 12(B) of the UGC Act, 1956. Recently, the institute is recognized as a Ph.D. research centre for Pharmaceutics and Pharmaceutical Chemistry by the University of Pune. Due to the dedicated and competent faculty, up-dated curriculum, innovative methods of instructions and excellent laboratory facilities, it has been attracting students from all over India and outside. The library is enriched with Chemical Abstracts (1907- 1986) and has subscribed to more than 3900 e-journals. The college has also subscribed to various national programs such as, National Program on Technology Enhanced Learning (NPTEL) and National Library and Information Services Infrastructure for Scholarly Content NLIST a Program at INFLIBNET. The college library has maintained a well furnished language laboratory and audio-visual room.



[Signature]
Principal
Page 1 of 3
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

Scanned by TapScanner



॥ यक्ष्मं नानं सज्जी दया ॥
Shri Jain Vidya Prasarak Mandal's
**Rasiklal M. Dhariwal Institute of
Pharmaceutical Education & Research**
[Formerly Shri Fettechand Jain College of Pharmacy (B.Pharm.)]
Approved by AICTE, PCI New Delhi, DTE Code : PH-6823 & Affiliated to Savitribai Phule Pune University (PU/PN/Pharm/448/2014)
Acharya Anand Rushiji Marg, Telco Road, D-2, 60-61, Chinchwad Station, Pune - 411 019.
Ph.: 020-27459191 Fax No. 020 - 27354633 | Email : rmdiper@gmail.com

Ref. No.: _____ Date : _____

b) Shri Jain Vidya Prasarak Mandal's, Rasiklal M. Dhariwal Institute of Pharmaceutical Education & Research, Chinchwad, Pune is established in year 2014 with Bachelor of Pharmacy, under the aegis of Shri Jain Vidya Prasarak Mandal (SJVPM), to encourage, inspire and nurture young students by supporting them to work with new ideas and transform them into prototype in order to develop the students to become a successful leaders in their area of interest.

GOALS OBJECTIVES

The **FIRST PARTY** is engaged in teaching and research in Pharmaceutical Science.

The **SECOND PARTY** is engaged in teaching and research in Pharmaceutical Science,

The **FIRST PARTY** and the **SECOND PARTY** have agreed to work under following terms for mutual benefit Lifetime such as:

1. Usage of library books, study material, e-journals, etc, under the Inter-Library Loan (ILL) facility, by the students and faculty with prior permission of Head of the institutes of both the parties.
2. Usage of instrumental facilities as a part of collaborative research or hiring services by the students and faculty with prior permission of Head of the institutes of both the parties.
3. Both the parties may get involve in co-organizing guest lecture, seminar, conferences, workshops as well as share feedback on curriculum, co-curricular and extracurricular activities and expertises of faculty in both way.

Now this deed of academic tie-up is agreed by and between the parties under following terms and condition:

Page 2 of 3

Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411044

Scanned by TapScanner



॥ पढनं ज्ञानं लभौ दया ॥
Shri Jain Vidya Prasarak Mandal's

Rasiklal M. Dhariwal Institute of Pharmaceutical Education & Research



[Formerly Shri Fettechand Jain College of Pharmacy (B.Pharm.)]

Approved by AICTE, PCI New Delhi, DTE Code : PH-6823 & Affiliated to Savitribai Phule Pune University (PU/PN/Pharm/448/2014)

Acharya Anand Rushiji Marg, Telco Road, D-2, 60-61, Chinchwad Station, Pune - 411 019.

Ph.: 020-27459191 Fax No. 020 - 27354633 | Email : rmdiper@gmail.com

Ref. No.:

Date :

TERMS AND CONDITIONS:

1. The library facilities will be shared at the premises of **BOTH THE PARTIES** as per the need of work mutually agreed.
2. **BOTH THE PARTIES** may allow pharmacy students to utilize the expertise of faculty and/or students of their organizations. The required books and/or study material will be issued to the students (if applicable) for their studies other than those available with **SECOND PARTY** and are to be made available by **FIRST PARTY** and Vice Versa.
3. The instrumental facilities will be shared at the premises of **BOTH THE PARTIES** as per the need of work mutually agreed upon.
4. Under Collaborative research projects any outcome in the form of Patent / publication(s) related to the work/study shall be acknowledge the assistance provided (if any) by the **FIRST PARTY** and vice-versa.
5. **BOTH THE PARTIES** may share feedback on curriculum, co-curricular and extracurricular activities and expertises of faculty in Both ways.
6. **BOTH THE PARTIES** may get involve in co-organizing guest lecture, seminar, conferences and workshops
7. Any dispute arising shall be settled through mutual negotiations only without recourse to resolving the dispute by legal means.


Dr. P. D. Chaudhari

Principal

Progressive Education Society's
Modern College of Pharmacy,
Sector no-21, Yamunanagar,
Nigdi, Pune 411044.
Contact: 9850179873
Date: 28/08/2019




Dr. S. P. Ghode

1/c Principal

Rasiklal M. Dhariwal Institute of
Pharmaceutical Education & Research,
Chinchwad Station, Pune-411019.
Chinchwad, Pune- 411019.
Contact: 020-27459191
Date: 28/08/2019



Progressive Education Society's MODERN COLLEGE OF PHARMACY

Accredited by NAAC & NBA
DST FIST Funded College

'Best College Award' by Savitribai Phule Pune University



Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently affiliated to
Savitribai Phule Pune University, Pune & Approved under Section (2 (f) & 12 (B) of UGC Act, 1956

Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044, (M.S.) Tel. : 020-27661314 / 15

E-mail : mcpnigdi44@gmail.com Website : www.mcop.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. Gajanan R. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council
P.E.Society, Pune

Ref :

Date :

Summary of Activities done under MOU Year wise

Name of concern Institute: Shri Jain Vidya Prasarak Mandal's, Rasiklal M.Dhariwal Institute of Pharmaceutical Education & Research, Chinchwad, Pune.

Date of MOU: 28/08/2019

Validity Period of MOU: Lifetime

| Sr no | Academic Year | Name of Activity | No of beneficiaries | Start Date | End Date |
|-------|---------------|---------------------------|---------------------|------------|------------|
| 1. | 2018-2019 | 1. Collaborative research | 2 | 04-12-2018 | 12-03-2019 |
| 2. | 2019-2020 | 1. Collaborative research | 1 | 21-03-2020 | 13-06-2020 |
| | | 2. Collaborative research | 1 | 19-10-2018 | 29-04-2020 |
| | | 3. Collaborative research | 1 | 04-12-2018 | 12-03-2019 |
| | | 4. Collaborative research | 1 | 19-10-2018 | 29-04-2019 |
| 3. | 2020-2021 | 1. Collaborative research | 1 | 02-05-2020 | 04-08-2020 |
| | | 2. Collaborative research | 1 | 21-08-2020 | 08-10-2020 |
| 4 | 2021-2022 | 1. Collaborative research | 1 | 30-12-2020 | 06-09-2021 |
| | | 2. Collaborative research | 1 | 11-02-2020 | 20-10-2021 |
| | | 3. Collaborative research | 1 | 11-10-2020 | 24-11-2021 |
| | | 4. Collaborative research | 1 | 11-01-2021 | 24-03-2021 |
| | | 5. Collaborative research | 1 | 11-10-2020 | 24-05-2021 |
| | | 6. Collaborative research | 1 | 17-01-2021 | 23-03-2021 |
| | | 7. Collaborative research | 1 | 11-01-2021 | 29-03-2021 |
| | | 8. Collaborative research | 1 | 15-01-2021 | 26-03-2021 |
| 5 | 2022-2023 | 1. Collaborative research | 1 | 1-02-2023 | 10-04-2023 |
| | | 2. Collaborative research | 1 | 1-02-2023 | 10-04-2023 |
| | | 3. Collaborative research | 1 | 12-12-2022 | 4-05-2023 |
| | | 4. Collaborative research | 1 | 10-07-2022 | 4-04-2023 |

Dr. Pravin D. Chaudhari
Principal and Professor



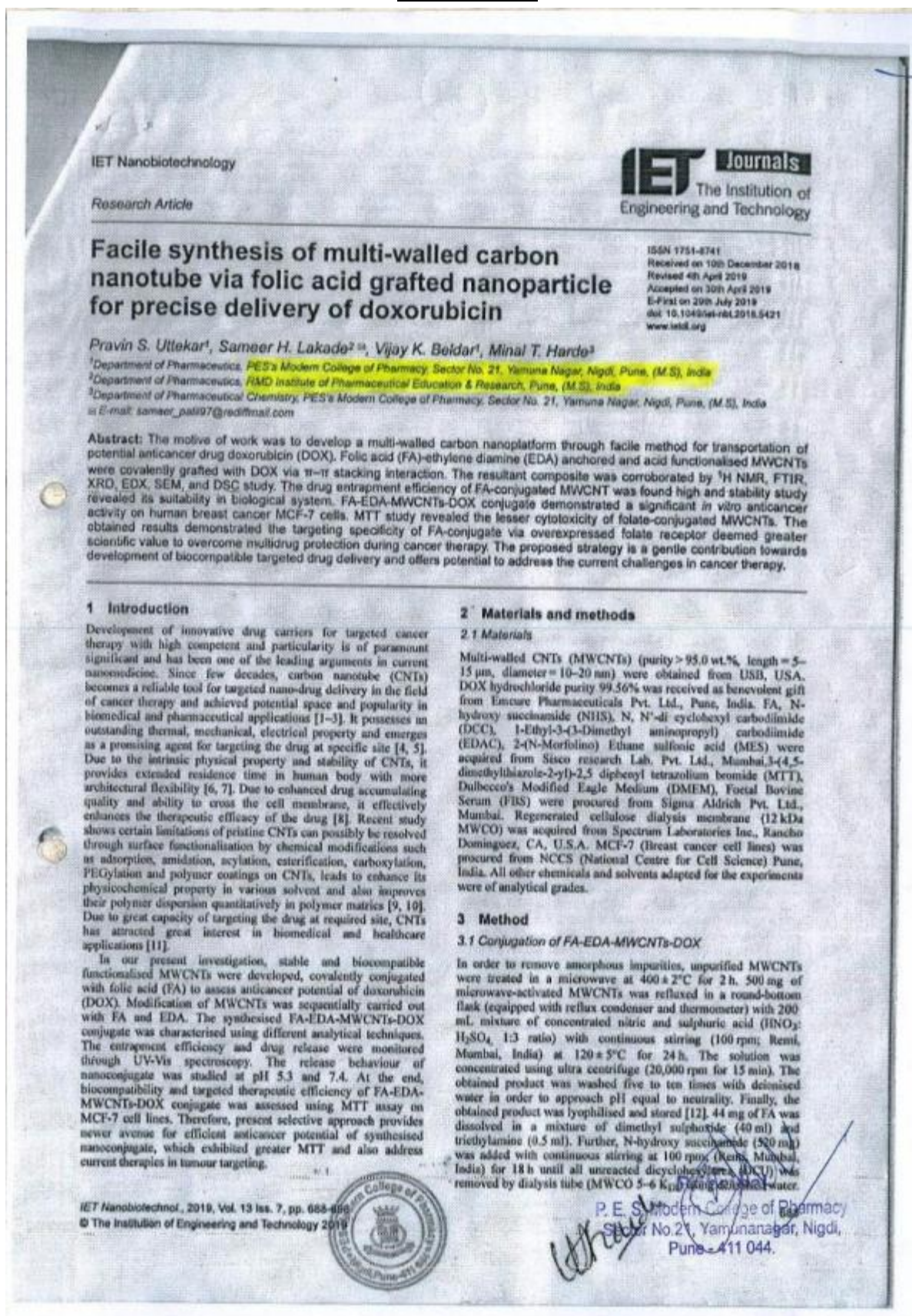
MOU Incharge

Rasiklal M. Dhariwal Institute of Pharmaceutical Education and Research, Chinchwad, Pune



STRIVING TOWARDS EXCELLENCE FOREVER

2018-2019



Minal Harde et al. Int. Res. J. Pharm. 2019, 10 (4)



INTERNATIONAL RESEARCH JOURNAL OF PHARMACY

www.irjonline.com

ISSN 2230 - 8407

Research Article

ULTRAVIOLET-SPECTROPHOTOMETRIC METHOD FOR SIMULTANEOUS ESTIMATION OF DAPAGLIFLOZIN PROPANEDIOL AND METFORMIN HYDROCHLORIDE

Minal Harde^{1*}, Sameer Lakade², Valmik Gite³, Vinthal Chopade¹, Anuja Khosne¹

¹P. E. Society's Modern College of Pharmacy Yamunanagar, Nigdi, Pune, Maharashtra, India

²Rasiklal M. Dhariwal Institute of Pharmaceutical Education and Research, Chinchwadgaon, Pune, Maharashtra, India

³Adv. Manoharrao Namasaheb Deshmukh ACS College, Rajur, Ahmednagar, Maharashtra, India

*Corresponding Author Email: minalharde@yahoo.com

Article Received on: 04/12/18 Approved for publication: 12/03/19

DOI: 10.7897/2230-8407.1004130

ABSTRACT

Two simple, precise and economical UV spectrophotometric methods have been developed for the simultaneous estimation of Dapagliflozin and Metformin in bulk drug and marketed formulation. In simultaneous equation method, 223 nm (λ_{max} of DAPA) and 233 nm (λ_{max} of MET) analytical wavelengths were selected and analysis were carried out. In area under curve method, 220-229 nm (λ_{max} of DAPA) and 229-236 nm (λ_{max} of MET) wavelengths were selected and analysis were carried out. The method was validated using various parameters according to ICH guidelines. The low relative standard deviation values indicate good precision and high recovery values indicate accuracy of the proposed method. Assay results were in good agreement with label claim.

Keywords: Metformin HCl, Dapagliflozin Propanediol, Simultaneous estimation, Area under curve, Validation.

INTRODUCTION

Metformin Hydrochloride (MET) is a chemically 1, 1 dimethyl biguanide hydrochloride¹ (Fig 1) member of the biguanide class of oral antidiabetic drug. Improves glucose tolerance in type 2 diabetic patients, lowering both basal and postprandial plasma glucose. MET minimize hepatic glucose production, reduces intestinal absorption of glucose and improves Insulin sensitivity by enhancing peripheral glucose uptake and utilization². It has a molecular formula $C_4H_{12}N_5Cl$ with molecular weight 165.075 g/mol and it is a white crystalline powder and freely soluble in water, ethanol, and methanol. I.P. recommends non-aqueous titration method for raw material and UV spectrometric method for tablets^{3,4}.

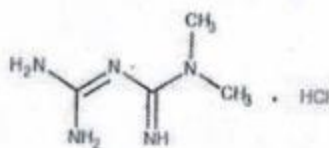


Figure 1: Metformin Hydrochloride

Dapagliflozin Propanediol (DAPA) is a chemically (1s)-1, 5-anhydro-1-C-[4-chloro-3-[(4-ethoxyphenyl) methyl] phenyl]-D-glucitol^{5,7} (Fig 2). Dapagliflozin propanediol blocking SGLT₂ transporter mechanism causes blood glucose to be eliminated through the urine and maintained the insulin concentration in blood, at least 90% of the glucose to be eliminated through urine⁸. It has a molecular formula $C_{22}H_{27}ClO_6$ with molecular weight

408.873 g/mol. Dapagliflozin propanediol is a white to off white crystalline powder which is soluble in water, ethanol, methanol, and dimethyl formamide^{6,9}.

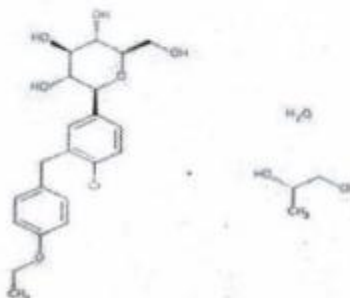


Figure 2: Dapagliflozin Propanediol


Literature survey reveals various methods for estimation of MET and DAPA in formulations, either alone or in combination with other drugs. Literature survey also revealed single RP-HPLC method for the binary mixture in API and tablet dosage form¹¹. Three methods have been reported for estimation of the studied drugs in combine formulation by simultaneous equation method¹², Q-Absorbance ratio method¹³ and first derivative spectrophotometric method¹⁴. In present study, an effort has been successfully made to determine MET And DAPA in bulk and tablet dosage form by simultaneous equation method and area under curve method. The proposed method has been optimized as



Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

2019-2020

Bulletin of Environment, Pharmacology and Life Sciences
Bull. Env. Pharmacol. Life Sci., Vol 9[8] July 2020 : 29-34
©2020 Academy for Environment and Life Sciences, India
Online ISSN 2277-1808
Journal's URL: <http://www.bepils.com>
CODEN: BEPLAD
Global Impact Factor 0.876
Universal Impact Factor 0.9804
NAAS Rating 4.95



REVIEW ARTICLE **OPEN ACCESS**

Surface Engineered New Approach for Mesoporous Alumina and Nanoparticles - A Review

Sameer H. Lakade^{1*}, Minal T. Harde², Aniket R. Mehke³, Ajay. A. Joshi⁴, Snehal R. Shinde⁵
¹Department of Pharmaceutics, RMD Institute of Pharmaceutical Education & Research, Pune.(M.S) India.
²Department of Pharmaceutical Chemistry, PES's Modern College of Pharmacy, Sector no. 21, Yamunanagar, Nigdi, Pune, (M.S) India.

To whom correspondence should be addressed (e-mail: sameer_patil97@rediffmail.com)


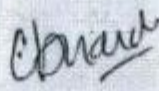
ABSTRACT
Mesoporous materials have been widely used in redesigning pharmaceutical formulations for determination of its pharmacokinetic characteristics. They have demonstrated great advantages in providing well controlled surface area, pore size, pore volume and have become notice in distinct fields counting electronics, separation, catalysis etc. Compared with microporous materials, they present improvement in molecular mass transfer thus allowing larger reactant molecules involved in the reaction systems. Our major emphasis is to give a centred around information about factors influencing the characteristics of mesoporous material and most preferred method of choice for the synthesis of mesoporous material.
Keyword : Mesoporous, Pore size, Sol-gel, Synthesis, Mechanism

Received 21.03.2020 Revised 12.05.2020 Accepted 13.06.2020

INTRODUCTION

Emerging research interest has been devoted to the field of mesoporous inorganic nanoparticle synthesis. Inorganic nanoparticles can be interpreted as particles of metal oxide or metallic composition possessing at least one length scale in the nanometer range. The mesoporous structure offers increased surface area as a result of its intricate and structured network of pores. The preparation of mesoporous alumina (M_pAl) with high surface area, a uniform pore structure and narrow pore size distribution is of great interest for both technological applications as well as fundamental research. M_pAl is superior to mesoporous silica (M_pSi) because of its high hydrolytic stability along with a different point of zero charge which makes it suitable platform for loading different metal species. The performance of conventional M_pAl however, is limited because of its uncontrolled porosity and deactivation by choking and plugging that hinders the diffusion of reactants and products. According to the International Union of Pure and Applied Chemistry (IUPAC) rules, pores are classified as micropores when their diameter d is in the range of 0.2-2 nm, mesopores when 2 nm < d < 50 nm, or macropores when d > 50 nm. Porous alumina, owing to their thermal, chemical, mechanical stability and low cost are extensively used in catalysis, adsorption, and separation.[1,2] In general the control of pore geometry and size is crucial to adjust their performance in these applications especially in case rely on size or shape selectivity. Porous alumina is most vital engineering material extensively used in catalysis, adsorption, and separation. Traditionally, transition alumina or activated alumina has been used as porous alumina, but there is a problem of deactivation in catalysis by pore plugging due to coke formation in micropores.[3] Therefore, it is desirable to have alumina with mesopores in narrow size distribution. Thus, the synthesis of mesoporous alumina with controlled porosity and high thermal stability has been actively pursued. With the advent of mesoporous materials the synthesis of mesoporous alumina with high surface area and narrow pore size distribution is promising for application enhancement of porous alumina.[4].

BEPLS Vol 9 [8] July 2020 29 | Page

©2020 AELS, INDIA
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

Facile synthesis of mesoporous alumina using hexadecyltrimethylammonium bromide (HTAB) as template: simplified sol-gel approach

ISSN 1751-8741
Received on 19th October 2018
Revised 12th March 2019
Accepted on 29th April 2019
doi: 10.1049/iet-nbt.2018.6343
www.iet.org

Sameer H. Lakade¹*, Minal T. Harde², Varsha Chattichalwadi³, Pravin S. Uttekar⁴

¹Department of Pharmaceutics, RMD Institute of Pharmaceutical Education & Research, Pune, MS, India

²Department of Pharmaceutical Chemistry, PES's Modern College of Pharmacy, Sector no. 21, Yamunanagar, Nigdi, Pune, MS, India

³Post Graduate Department of Pharmaceutics, Sinhgad Institute of Pharmaceutical Sciences, Kurla (Bk) Lonavala, Pune, MS, India

⁴Department of Pharmaceutics, PES's Modern College of Pharmacy, Sector no. 21, Yamunanagar, Nigdi, Pune, MS, India

*E-mail: sameer_psd57@rediffmail.com

Abstract: Herein the authors present the synthesis of surface functionalised mesoporous alumina (MeAl) for textural characterisation by a simplified sol-gel method obtained by using hexadecyltrimethylammonium bromide as a template. Etoricoxib (ETOX) was used as a model drug for the study. Alumina supported mesoporous material containing drug was characterised using instrumental technique namely Brunauer-Emmett-Teller surface area, Fourier transform-infrared, differential scanning calorimetry, transmission electron microscopy, X-ray diffraction, and field emission scanning electron microscopy. Diffusion study using a dialysis bag method used to check the release pattern of ETOX-loaded-MeAl. Results of characterisation study revealed the successful surface functionalisation of the drug on nanocomposite. The IC_{50} value obtained from cell viability study demonstrated the non-toxic behaviour of synthesised drug-loaded mesoporous alumina up to the tested concentration range. The present work has demonstrated that synthesised MeAl showed excellent stability with an expanded surface area suitable for carrier material for drug delivery system.

1 Introduction

Since the last decade, drug-loaded nanostructured mesoporous alumina (MeAl) nanoparticles gained appreciable popularity and attention in nanotechnology [1, 2]. Owing to nano pore size, broad surface area, ordered porosity, easy functionalisation ability with organic compounds, excellent host-guest chemistry, favourable textural properties, and extraordinary catalytic capacity, the surface functionalisation stabilises the required amount of drug entity in the pores of porous alumina [3–5]. As a result, these unique properties emerged MeAl as a potential candidate in various aspects [6, 7]. In terms of novel drug delivery aspects, biocompatible MeAl nanoparticles have benefited to biomedical and pharmaceutical drug delivery system [8, 9]. International Union of Pure and Applied Chemistry (IUPAC) system has classified inorganic solid porous material as microporous, mesoporous, and macroporous [10, 11]. The conventional inorganic ceramic nanofibre alumina is a metastable polymorph with irregular pore geometry [12–14]. Thus, the untreated alumina possesses a problem of rapid deactivation in the catalytic process and thus unsuitable for drug loading and release of therapeutic agents in order to deliver in the physiological system [15–17]. To date, there is no work explored on Etoricoxib-loaded MeAl (E-MeAl). Therefore, an envisaged attempt was conducted to synthesise stable mesoporous alumina, an ultimate and versatile vehicle possesses inbuilt properties such as narrow pore size with long range ordering, uniform pore density, robust, mechanical and chemical stability and highly suitable as a vehicle for delivery of the selected model drug [18–23]. Here, a chemical sol-gel method approach utilised to synthesise alumina-based mesoporous material (pore size 2–50 nm) by special treatment and hydrolysis with organometallic compounds and inexpensive inorganic salt, as starting material [24–29]. The reagents used in synthesis react with host molecules to command the porosity and particle size of nanofibre [30, 31]. The alumina-based stable mesoporous material can be categorised either as cylindrical [two-dimensional (2D)] or cage type (3D) structure depending on their structure dimension

and geometry of pores. The 2D mesoporous material carries uniform pore size, provides applicability in catalysis reaction and as a drug delivery vehicle. The 3D geometry of mesoporous alumina could be applicable to control the mass transfer of therapeutic agents [32, 33].

In the present work, E-MeAl was successfully prepared. Hexadecyltrimethylammonium bromide (HTAB) was used as a template for synthesis of MeAl and functionalised with a therapeutic agent that supported to determine the selectivity of surface groups for coupling. The drug-surface interaction, surface functionalisation, composite surface morphology, and thermal behaviour were corroborated, respectively, using techniques such as Fourier transform infrared (FT-IR) spectroscopy (FT-IR), X-ray diffraction (XRD), scanning electron microscopy (SEM), transmission electron microscopy (TEM), electron dispersive X-ray (EDX) and differential scanning calorimetry (DSC) represents the successful loading of model drug Etoricoxib (ETOX). In addition, the drug release behaviour and cytotoxicity study were conducted. The drug release pattern and other analytical investigations of selected model drug represented the improved solubility and drug release. Cytotoxicity study investigated the cytotoxic behaviour of E-MeAl nanoparticles at various concentrations. The outcome of the present work demonstrates the significant potential of developed E-MeAl nanocomposite as a novel delivery technique for poorly water soluble drugs.

2 Materials and methods

2.1 Materials

ETOX was received as a benevolent gift from Intas Pharma Pvt. Ltd, Ahmedabad, 3-aminopropyltriethoxysilane (APTES), 1-ethyl-3-(3-dimethylaminopropyl) carbodiimide (EDC) was purchased from Sigma Aldrich, Germany. All the reagents and solvents used were of analytical grade.



Signature


125 / 170

Principal

P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Synthesis of mesoporous alumina: an impact of surface chemistry on release behavior

Sameer H. Lakade^a , Minal T. Harde^b, and Prashant K. Deshmukh^c

^aDepartment of Pharmaceutics, RMD Institute of Pharmaceutical Education & Research, Pune, India; ^bDepartment of Pharmaceutical Chemistry, PMS's Modern College of Pharmacy, Pune, India; ^cPost Graduate Department of Pharmaceutics, H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur, India

ABSTRACT

The present investigation describes the successful synthesis of mesoporous alumina (MeAl) nanoparticles for controlled drug delivery via a soft template route have been adopted using hexadecyltrimethyl ammonium bromide as template and aluminum chloride as precursor. The obtained Langmuir type II isotherm for MeAl showed P/P₀ 0.1 at 10 cm³/g STP. The Brunauer-Emmett-Teller study revealed the formation of uniform morphology and mesoporous structure. The Fourier transform infrared spectroscopy study confirmed the presence of characteristic peaks of mesoporous alumina. Elemental analysis demonstrated the substantial Al and O peak supported with nanosized crumb with cluster by field emission scanning electron microscopy. The transmission electron microscopy indicates wormhole strikingly inter connected pore system assigned to functionalized MeAl. X-ray diffraction pattern suggests the formation of γ -Aluminum oxide. The particle size and surface charge of synthesized MeAl were successfully analyzed to assess the surface charge. The drug loading was confirmed by spectroscopic study with eloquent extension in drug release was found to be 74.44% attributed to release by control manner. In present study, synthesized MeAl holds an excellent compassionate impact on particle size and exterior chemistry for sustained release of model drug.



KEYWORDS

Mesoporous; FESEM; adsorption; functionalization; particle characteristics

1. Introduction

Mesoporous Alumina (MeAl), a novel member of molecular sieve family kindled worldwide resurgence in the field of inorganic solid mesoporous materials. Porous material plays fundamental role in a variety of scientific and industrial operations such as adsorption, separation, host-guest encapsulation and catalysis etc (Liu et al. 2013). The architecture and remarkable properties of unique mesoporous structure of MeAl have fascinated ample attention in the former decades due to promising biomedical applications and rapid expansion in an area such as tissue engineering, DNA sequencing, photonics etc (Zhang et al. 2009; Blumen, Cheng, and Ramos 2007). In consonance to International Union of Pure and Applied Chemistry (IUPAC), pores are categorized as micropore, mesopore and macropore depends on their varying particle sizes (<2 nm, between 2 nm and 50 nm, > 50 nm) (Zdravkov et al. 2007). The nature of porous material may be inorganic, organic or possesses both properties with technological significance. The porous material represents capability to link with atoms, molecule or ions to load the solid, liquid or gaseous chemical entities (Zhao 2006). Based on above dominance, mesoporous material emerged as talented host for extensive range of

companion molecules like proteins (Vinu et al. 2004; Vinu, Murugesan and Hartmann 2004) drugs (Regi, Ramila and Del 2001) and smaller biological molecules (Anderson, Rosenholm and Areva 2004). Conventionally, High-surface-area transition alumina or activated alumina have been used as a porous alumina. However, the limited performance of MeAl identified may be due to deactivation during catalysis have been by pore plugging or coke formation in micropores. Therefore, the requirement was to synthesize alumina having ordered, uniform and tunable pore diameter. Thus, the successfully synthesized alumina showed remarkable properties such as controlled porosity, high thermal and mechanical stability, chemical inertness and tunable surface chemistry has made MeAl as excellent host for large drug loading and controlled release in an area of biomedicine (Kim et al. 2003; Ramli and Saleh 2008). The swift evaluation of sol-gel approach during former two decades has drive electric breakthrough in deliberate synthesis of porous materials. Sol-gel is an inexpensive method serves straightforward tailor substitute for traditional synthesis method. In comparison to traditional procedure, this lenient method provides outcome of mixed oxides with low cost and enhanced homogeneity. The sol-gel method produced

CONTACT Sameer H. Lakade  sameer_pac97@rediffmail.com  Department of Pharmaceutics, RMD Institute of Pharmaceutical Education & Research, Acharya Anand Ruship Marg, Pune, Maharashtra, India
Color versions of one or more of the figures in this article can be found online at www.tandfonline.com/urn.
© 2019 Taylor & Francis Group, LLC



Prashant K. Deshmukh

Minal T. Harde

PMS's Modern College of Pharmacy
Sector No.27, Yashwanagar, Nigdi,
Pune - 411 044.

2020-2021

Advances in BioResearch

Adv. Biores., Vol 11 (5) September 2020: 72-78

©2020 Society of Education, India

Print ISSN 0976-4585; Online ISSN 2277-1573

Journal's URL: <http://www.soeagra.com/abr.html>

CODEN: ABRDC3

DOI: 10.15515/abr.0976-4585.11.5.7278

Advances
in
BioResearch

ORIGINAL ARTICLE

Validated inherent stability-indicating HPLC-DAD method for simultaneous determination of Pamabrom and Paracetamol in marketed formulationMinal T. Harde,^{*1}, Sameer H. Lakade², Aniket R. Mekhe¹, Sneha R. Shinde¹, Pragati D. More¹,
Snehal S. Shirude¹¹ Department of Pharmaceutical Chemistry, PES's Modern College of Pharmacy, Sector no. 21,
Yamunanagar,
Nigdi, Pune, (M.S) India.² Department of Pharmaceutics, RMD Institute of Pharmaceutical Education & Research, Pune, (M.S) India.
(e-mail: sameer_patil97@rediffmail.com)

ABSTRACT

A simple, rapid, precise and accurate isocratic reversed-phase stability-indicating HPLC with diode array detection method was developed and validated for the simultaneous determination of Pamabrom (PBM) and Paracetamol (PCM) in commercial tablets. PBM and PCM were degraded together under different stress test conditions prescribed by International Conference on Harmonization. The samples generated were used to develop a stability-indicating high performance liquid chromatographic (HPLC) method for both the drugs. The drugs were well separated from degradation products using a reversed-phase C 18 (4.6 x 250mm, 5µm particle size) column with isocratic elution of the mobile phase comprising of water: methanol: acetonitrile, in the ratio of 70:20:10 v/v/v. The mobile phase flow rate was maintained at 1.0 ml/min with the detection wavelength used for quantification of PBM and PCM was 279 nm. The drugs were subjected to different stress conditions like neutral, acidic and alkaline hydrolysis, oxidation, photolysis and thermal degradation. Degradation products produced was a result of stress studies did not interfered with the detection of PBM and PCM, thus the assay can thus be considered stability-indicating. Analytical performance of the proposed HPLC procedure was thoroughly validated with respect to system suitability, linearity, range, precision, accuracy, specificity, robustness, detection and quantification limits. The developed procedure is also applicable to the determination of instability of the drugs in commercial formulations.

Keywords: Pamabrom, Paracetamol, Stability indicating assay, forced degradation, HPLC, Diode array detection.

Received 02.05.2020

Revised 18.06.2020

Accepted 04.08.2020

How to cite this article:

Minal T. Harde, Sameer H. Lakade, Aniket R. Mekhe, Sneha R. Shinde, Pragati D. More, Snehal S. Shirude. Validated inherent stability-indicating HPLC-DAD method for simultaneous determination of Pamabrom and Paracetamol in marketed formulation. Adv. Biores., Vol 11 (5) September 2020: 72-78

INTRODUCTION

Pamabrom (PBM) is chemically, 1:1 mixture of 8-Bromo-3, 7-dihydro-1, 3-dimethyl-1H-purine-2, 6-dione with 2-amino-2-methyl-1-propanol (Fig.1a). It has a diuretic property [1-2]. It is official in US pharmacopoeia. It is assayed by liquid chromatography as per USP [3]. PBM, a xanthine derivative, is a safe and effective diuretic in relieving the water-accumulation symptoms of water-weight gain, bloating/swelling, and/or full feeling associated with the premenstrual and menstrual periods. It works, as all diuretics, by pulling excessive water from throughout the body. Paracetamol (PCM) chemically it is N-(4-hydroxyphenyl) acetamide (Fig. 1b). PCM is official in IP, BP, USP and JP [4-7]. It is classified as a mild analgesic and having antipyretic properties. It is much safer than aspirin in terms of gastric irritation, ulceration and bleeding.



Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Bulletin of Environment, Pharmacology and Life Sciences
Bull. Env. Pharmacol. Life Sci., Vol 9[11] October 2020 : 111-120
©2020 Academy for Environment and Life Sciences, India
Online ISSN 2277-1808
Journal's URL: <http://www.beppls.com>
CODEN: BEPLAD
Global Impact Factor 0.876
Universal Impact Factor 0.9804
NAAS Rating 4.95



ORIGINAL ARTICLE

OPEN ACCESS

Design and Development of Novel Controlled-Release Azilsartan Medoxomil Loaded Provesicular Powder

Pande V. Vishal,¹ Sameer H. Lakade,² Ghule D. Niteen¹, Pote K. Ajinkya¹, Minal T. Harde,³ Jalindar R. Bhutekar³

¹Department of Pharmaceutics (PG), Sanjivani College of Pharmaceutical Education and Research, Kopergaon, Maharashtra-423603, India.

²Department of Pharmaceutics, R.M.D. Institute of Pharmaceutical Education & Research, Pune, (M.S) India.

³Department of Pharmaceutical Chemistry, PES's Modern College of Pharmacy, Yamunanagar, Nigdi, Pune, (M.S) India.

ABSTRACT

The present study involved Design and Development of novel controlled-release Azilsartan medoxomil loaded provesicular powder (Azil). The provesicular powder of Azilsartan Medoxomil was prepared with a carrier, Cholesterol, span 60 by rotary flask evaporation technique & was evaluated for various physicochemical properties such as solubility, drug entrapment efficiency, surface morphology and analysis were carried out using Fourier transform infrared spectroscopy, Differential scanning calorimetry and powder X-ray diffraction. The optimized Formulation batch F6 was selected based on 100% cumulative drug release in 9 hours & showed 99.95% CDR in 9 hours while drug entrapment efficiency was 93.00%. The mechanism of the drug release rate kinetics of the Batch F6 followed the Korsmeyer-Peppas. Thus, it can be concluded that Span 60 based provesicular powder, enhanced the solubility 20 folds while Cholesterol and Maltodextrin proved an effective carrier for developing controlled release provesicular powder.

Keywords: Azilsartan medoxomil, Span 60, Provesicular powder, Solubility.

Received 21.08.2020

Revised 18.09.2020

Accepted 08.10.2020

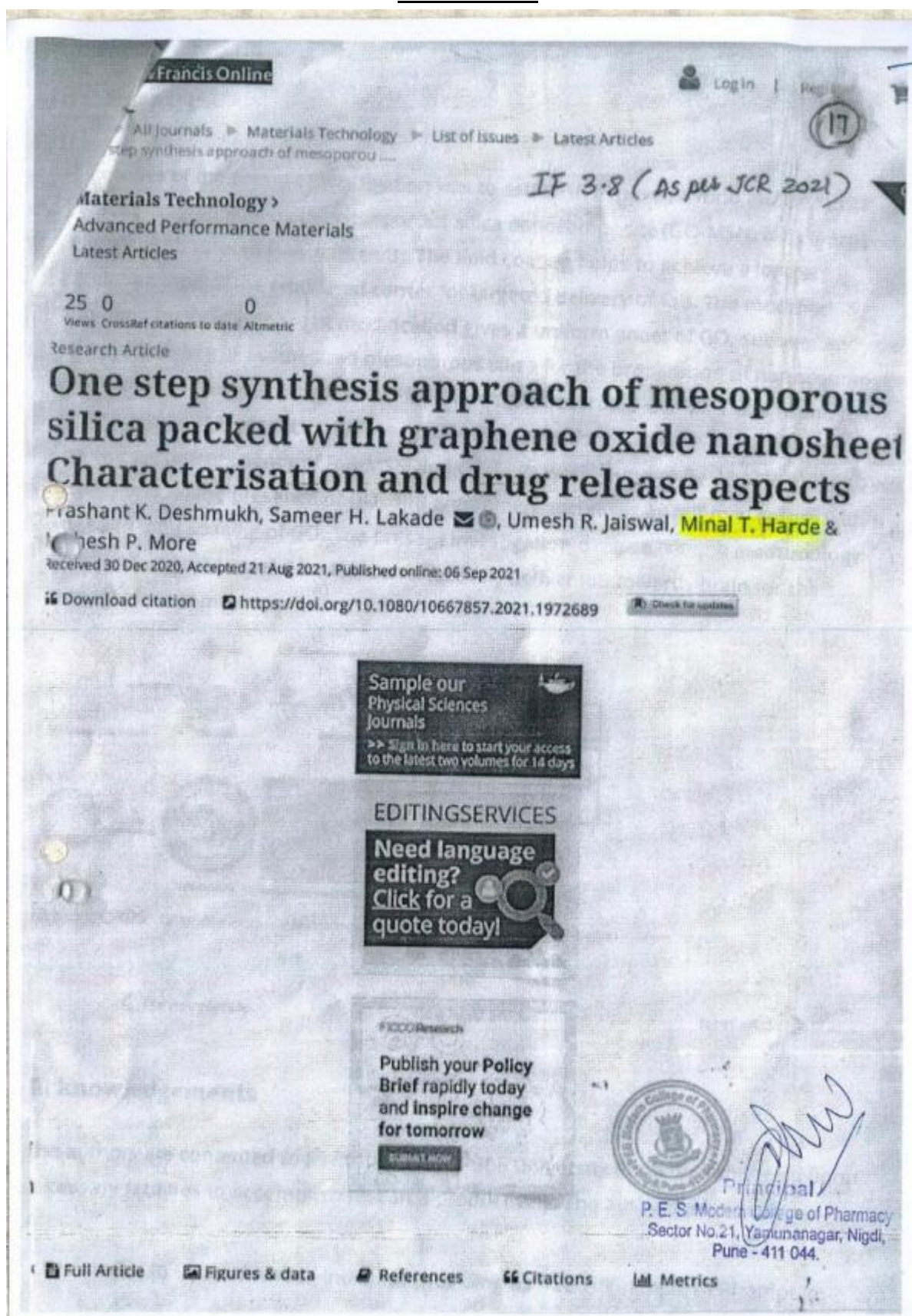
INTRODUCTION

A number of novel drug delivery systems using colloidal particulate carriers had emerged, encompassing various routes of administration, to achieve controlled and targeted drug delivery. Colloidal particulate carriers such as liposomes [1] or niosomes [2] have distinct advantages over conventional dosage forms. Liposomes consist mainly of phospholipids, prepared from double-chain phospholipids (neutral or charged) [3]. Niosomes are analogous to liposomes and also serve as promising drug carriers [4]. Niosomes offer an alternative to phospholipid vesicles. The hydrated mixtures of cholesterol and non-ionic surfactants give rise to these lipid vesicles [5]. These carriers can act as drug reservoirs, and modification of their composition or surface can adjust the drug release rate and/or the affinity for the target site. As a drug carrier, encapsulating a sufficient amount of the drug is one of the most desirable properties for niosomes usage [6-7]. The uniqueness of these lipid vesicles relies on their ability to carry hydrophilic drugs by encapsulation and hydrophobic drugs by partitioning within their lipid domains [8]. Niosomes behave like liposomes in vivo as they are able to prolong the circulation of encapsulated drug altering its organ distribution and metabolic stability [9] or to increase the contact time of drug with the applied tissue in topical preparations [10]. Niosomes proved to be an alternate to liposomes because they pose less problems related to chemical stability and are low cost substitutes. However, niosome dispersions may exhibit physical instability problems during storage like vesicle aggregation, fusion, leaking, or hydrolysis of encapsulated drugs, which could affect the shelf life of the dispersion [11]. Pro-niosomes are liquid crystalline compact niosomal hybrid which could be converted into niosomes upon hydration with water. Niosomes are water-soluble carrier particles, and these are dried to form niosomal dispersion on brief agitation in hot aqueous media. This dehydrated product is pro-niosome. The

BEPLS Vol 9 [11] October 2020



P. E. S. Modern College of Pharmacy,
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044

2021-2022

RESEARCH

Open Access



A stability-indicating HPLC method for estimation of doxylamine succinate in tablets and characterization of its major alkaline stress degradation product

Minal T. Harde¹ and Sameer H. Lakade^{2*}

Abstract

Background: A new selective rapid RP-HPLC-DAD method was developed and evaluated for the quantification of doxylamine succinate (DOX) in bulk and pharmaceutical dosage form. The separation of DOX at different degradation conditions was achieved with a Kromasil C₁₈ (4.6 × 250 mm, 5-μm particle size). The mobile phase employed comprised of phosphate buffer (pH 3.5) and methanol in the ratio of 45:55 v/v. The flow rate was kept maintained at 1.0 ml/min and eluents were detected at 262 nm. The drug was subjected to different stress conditions like acid, base, neutral, hydrolysis, oxidation, photolysis, and thermal degradation. The analytical performance of the proposed HPLC method was thoroughly validated in terms of linearity, precision, accuracy, specificity, robustness, detection, and quantification limits.

Results: The method produces linear responses that were found in the range of 10–50 μg/ml. The regression equation was found to be $Y = 42984x - 10260$. The correlation coefficient was found to be 0.9998. The LOD and LOQ for DOX were found to be 0.96 and 3.28 μg/ml, respectively. The short-term solution stability of DOX (100 μg/ml) was evaluated under (25 ± 2°C) storage condition and found to be 98.82 to 101%. The percentage recovery for DOX was in the range of 99.73 to 99.91%. The obtained results of the stress degradation study and peak purity data indicate the potential of the developed HPLC method to resolve degradants from DOX peak. The major alkaline degradation product was isolated using preparative chromatographic technique and extensive FT-IR was performed to ascertain the structure of the alkaline degradant.

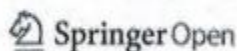
Conclusion: It was concluded that the proposed method was simple, sensitive, accurate, cost-effective, and less time-consuming for the quantification of DOX. This method was successfully utilized for stability testing of commercially available DOX tablets. Hence, the proposed method can be applied for routine quality control of DOX in bulk drug as well as in marketed formulations.

Keywords: Doxylamine succinate, Stress study, RP-HPLC, Diode array detection, ICH

* Correspondence: sameer_pact97@rediffmail.com

²Department of Pharmaceutics, Baskilal M. Dhanwal Institute of Pharmaceutical Education & Research, Pune, MS, India

Full list of author information is available at the end of the article



© The Author(s). 2021 **Open Access** This article is licensed under a Creative Commons Attribution 4.0 International License, which permits use, sharing, adaptation, distribution and reproduction in any medium or format, as long as you give appropriate credit to the original author(s) and the source, provide a link to the Creative Commons licence, and indicate if changes were made. The images or other third party material in this article are included in the article's Creative Commons licence, unless indicated otherwise in a credit line to the material. If material is not included in the article's Creative Commons licence and your intended use is not permitted by statutory regulation or exceeds the permitted use, you will need to obtain permission directly from the copyright holder. To view a copy of this licence, visit <http://creativecommons.org/licenses/by/4.0/>.



Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044

26

AKADÉMIAI KIADÓ

Quality risk assessment and DoE – Practiced validated stability-indicating chromatographic method for quantification of Rivaroxaban in bulk and tablet dosage form

Acta Chromatographica

DOI:
10.1556/1326.2021.00978
© 2021 The Author(s)

KAMLESH PALANDURKAR¹, RICHIE BHANDRE^{2,3},
SAI H. S. BODDU^{2,3}, MINAL HARDE^{4*}, SAMEER LAKADE⁵,
UJJWALA KANDEKAR⁶ and PRASHANT WAGHMARE⁴

ORIGINAL RESEARCH PAPER

¹ Department of Biochemistry, Institute of Medical Sciences, Banaras Hindu University, Varanasi, India

² Department of Pharmaceutical Sciences, College of Pharmacy and Health Sciences, Ajman University, Ajman, United Arab Emirates

³ Center of Medical and Bio-allied Health Sciences Research, Ajman University, Ajman, P.O. Box 346, United Arab Emirates

⁴ Department of Pharmaceutical Chemistry, P.E.S.'s Modern College of Pharmacy, Sector No. 21, Yamunanagar, Nigdi, Pune, Maharashtra, India

⁵ Department of Pharmaceutics, RMD Institute of Pharmaceutical Education & Research, Pune, Maharashtra, India

⁶ Department of Pharmaceutics, JSPM's Rajarshi Shahu College of Pharmacy and Research, Tathawade, Pune, Maharashtra, India

Received: October 11, 2021 • Accepted: November 24, 2021

ABSTRACT

A systematic DoE and Analytical Quality by Design (AQbD) approach was utilized for the development and validation of a novel stability indicating high-performance thin-layer chromatographic (HPTLC) method for Rivaroxaban (RBN) estimation in bulk and marketed formulation. A D-optimal design was used to screen the effect of solvents, volume of solvents, time from spotting to development and time for development to scanning. ANOVA results and Pareto chart revealed that toluene, methanol, water and saturation time had an impact on retention time. The critical method and material attributes were further screened by Box-Behnken design (BBD) to achieve optimal chromatographic condition. A stress degradation study was carried out and structure of major alkaline degradant was elaborated. According to the design space, a control strategy was used with toluene: methanol: water (6:2:2) and the saturation time was 15 min. A retention factor (RF) of 0.59 ± 0.05 was achieved for RBN using chromatographic plate precoated with silica gel at detection wavelength 282 nm with optimized conditions. The linear calibration curve was achieved in the concentration range of 200–1,200 ng/band with $r^2 > 0.998$ suggesting good coordination between analyte concentration and peak areas. The quadratic model was demonstrated as the best fit model and no interaction was noted between CMAs. The optimized HPTLC method was validated critically as stated in International Conference on Harmonization (ICH) Q2 (R1) guideline and implemented successfully for stress degradation study of RBN. The developed HPTLC method obtained through AQbD application was potentially able to resolve all degradants of RBN achieved through forced degradation study. The obtained results demonstrate that a scientific AQbD approach implementation in HPTLC method development and stress degradation study drastically minimizes the number of trials in experiments, ultimately time and cost of analysis could be minimized.

*Corresponding author, Modern College of Pharmacy, Yamunanagar, Nigdi, Pune - 411044, India.
E-mail: minalharde@yahoo.com

KEYWORDS

analytical quality by design (AQbD), stability study, Rivaroxaban, validation, high performance thin layer chromatography (HPTLC)

Principal
P. E. S. Modern College of Pharmacy
Sector No 21, Yamunanagar, Nigdi,
Pune - 411 044

Unauthenticated | Downloaded 11/22/21 10:45 AM UTC

Bulletin of Environment, Pharmacology and Life Sciences

Bull. Env. Pharmacol. Life Sci., Vol 10 [5] April 2021 : 100-107

©2021 Academy for Environment and Life Sciences, India

Online ISSN 2277-1808

Journal's URL: <http://www.bepils.com>

CODEN: BEPLAD



ORIGINAL ARTICLE

OPEN ACCESS

Validated Inherent Stability Indicating Reversed Phase HPLC-DAD Method for Simultaneous Determination of Tolperisone Hydrochloride And Diclofenac Sodium in Marketed Formulation

Minal T. Harde,^{*1} Sameer H. Lakade,^{2,3} Sapana K. Rokade,¹ Shital G. Rathod,¹ Pooja A. Dale,¹ Komal A. Kendre,² Indra H. Sirvi²

¹Department of Pharmaceutical Chemistry, PES's Modern College of Pharmacy, Sector no. 21, Yamunanagar, Nigdi, Pune, (M.S) India.

²Department of Pharmaceutics, RMD Institute of Pharmaceutical Education & Research, Pune, (M.S) India.

³ Email: sameer_patil97@rediffmail.com

ABSTRACT

The new method for simultaneous establishment of tolperisone hydrochloride (TPS) and diclofenac sodium (DLF) has been evolved by reverse phase HPLC from combination drug product. The separation achieved on C18 (4.6 x 250mm, 5µm particle size) column with isocratic elution of mobile phase comprising methanol:water, in the ratio of 80:20 v/v (pH 3.0 adjusted with OPA). The mobile phase flow rate was maintained at 1.0 ml/min and the analyte concentration was measured at detection wavelength 273 nm. The calibration curves were linear over the concentration range of 30-150 µg/ml and 10-50 µg/ml for TPS (n = 3) and DLF (n = 3), respectively. The TPS and DLF were exposed to different stress condition like thermal, photolytic, hydrolytic, and oxidative stress conditions and samples were analyzed by proposed method. The stressed sample demonstrated the specificity of assay method in presence of degradant products with no interferences were observed from its stress degradation products. The detection limits were found to be 0.99 µg/ml and 0.41 µg/ml and quantification limits were found to be 3.42 µg/ml and 1.53 µg/ml. Analytical performance of the proposed HPLC procedure was thoroughly validated in terms of linearity, precision, accuracy, specificity, robustness, detection and quantification limits. The proposed method was suitable for quantitative determination and stability study of TPS and DLF in commercial tablets.

Key words: Tolperisone hydrochloride; Diclofenac sodium; Stability indicating assay; Forced degradation; HPLC; Diode array detection

Received 11.01.2021

Revised 22.03.2021

Accepted 24.03.2021

INTRODUCTION

Stability testing forms an important part of drug product process development. The purpose of stability testing is to provide evidence on how the quality of a drug substance or drug product varies with time under the influence of a variety of environmental factors such as temperature, humidity and light, enables recommendation of storage conditions, retest periods, and shelf lives to be established. The two main aspects of drug product that play an important role in shelflife determination are assay of active drug, and degradants generated, during the stability study. The assay of drug product in stability test sample needs to be determined using stability indicating method.^[1] In recent times, there is an increasing tendency towards the development of stability-indicating assays, using the approach of stress testing as incorporated in the International Conference on Harmonization (ICH) guideline. Even this approach is being extended to drug combinations, to allow accurate and precise quantitation of multiple drugs, their degradation, and interaction of products. Tolperisone hydrochloride (TPS) is chemically designated as (R, S) 2-methyl-1-(4-methyl phenyl)-3-(1-piperidyl)propan-1-one (Fig.1). TPS, an antispasmodic agent and a central muscle relaxant suitable for cerebral arteriosclerosis and for treating extrapyramidal movement disorders.



Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



European Journal of Pharmacology

Volume 898, 5 May 2021, 173992



Protocatechuic acid attenuates chronic unpredictable mild stress induced-behavioral and biochemical alterations in mice

Vishnu N. Thakare^{a,b}, Sameer H. Lakade^{a,c}, Moreshwar P. Mahajan^a,
Rogesh P. Kulkarni^a, Valmik D. Dhakane^d, Minal T. Harde^e, Bhoomika M. Patel^b

Show more

+ Add to Mendeley Share Cite

<https://doi.org/10.1016/j.ejphar.2021.173992>

Get rights and content

Abstract

Amelioration of oxidative stress via promoting the endogenous antioxidant system and enhancement of monoamines in brain were the important underlying antidepressant mechanism of protocatechuic acid (PCA). The aim of the present study is to explore the potential antidepressant mechanism(s) PCA in chronic unpredictable mild stress (CUMS) mice. Mice were subjected to CUMS protocol for 4 weeks, and administered with PCA (100 and 200mg/kg) and fluoxetine (20mg/kg) for 24 days (from day 8th to 31st). Behavioral (sucrose preference, immobility time, exploratory behavior), and biochemical alterations such as serum corticosterone, brain derived neurotrophic factor (BDNF), inflammatory cytokines, tumor necrosis factor- α (TNF- α), interleukin-6 (IL-6), and antioxidants parameters were investigated. Experimental findings revealed that CUMS subjected mice exhibited significant impairment in behavioral alterations, such as increased immobility time, impaired preference to the sucrose solution, BDNF levels and, serum corticosterone, cytokines,



College of Pharmacy
Sector No. 21, Yamunanagar, Nigdi,
Pune - 411 044.



Bulletin of Environment, Pharmacology and Life Sciences
Bull. Env. Pharmacol. Life Sci., Vol 10 [5] April 2021 : 124-130
©2021 Academy for Environment and Life Sciences, India
Online ISSN 2277-1808
Journal's URL: <http://www.bepils.com>
CODEN: BEPLAD



ORIGINAL ARTICLE

OPEN ACCESS

Design and Development of Lornoxicam Impregnated Dry Powder Based Liquid Crystals

Vishal Pande^{1,4}, Shubham Gore¹, Ajinkya Pote^{1*}, Minal T. Harde², Sameer H. Lakade³, Vaibhav D. Raut²

¹Department of Pharmaceutics (PG), Sanjivani College of Pharmaceutical Education and Research, Kopergaon, Maharashtra-423603, India.

²PES's Modern College of Pharmacy, Sector no. 21, Yamunanagar, Nigdi, Pune, (M.S) India.

³Department of Pharmaceutics, RMD Institute of Pharmaceutical Education & Research, Pune, (M.S) India.

⁴N.N. Sattha College of Pharmacy, Ahmednagar, Pune, (M.S) India.

Email for Correspondence : drvishalpande@gmail.com

ABSTRACT

The objective of the present work was to fabricate dry powder precursors using GMO, which upon hydration forms cubic phase of lyotropic liquid crystal and it can be used for the fabrication of oral solid dosage forms. Dry powder precursor was evaluated for percentage yield, drug content, Fold scope microscopy, scanning electron microscopy, X-ray diffraction, viscosity and in vitro release behavior. The dry powder precursor was obtained by spray-drying method, with GMO, Lornoxicam and magnesium trisilicate. The drug content for optimized batch was 92% and release kinetic was 96% (up to 12 hrs.) Surface morphology studies indicated the irregular shape of particles while polarizing light microscopy confirmed that cubic phase forms upon hydration of powder precursor. The dry powder precursor of cubic phase was prepared in which drug release was entirely governed by the mesophases formed.

Keywords: Liquid Crystalline powder precursor, Lornoxicam, Lyotropic, Oral drug delivery system.

Received 17.01.2021

Revised 01.03.2021

Accepted 23.03.2021

INTRODUCTION

Glyceryl monooleate (GMO), an amphiphilic lipid self-associate to form sequential liquid crystalline mesophases, viz., lamellar, cubic and hexagonal when placed in an aqueous media [1,2]. Being nontoxic, biodegradable and biocompatible it has found its utility in various delivery systems and routes of administrations. [3] Delivery system based on partially hydrated lamellar phase [4,5] hydrated cubic gel [6] cubic phase dispersions and matrix have been explored by many researchers. Cubic phase coexists in equilibrium with the excess water and being highly viscous has gained much attention for sustained release. [7,8] The sustained release may be due to slow drug diffusion or increased residence time in its solubilized form. Further, its isotropic nature, relative insensitivity to salts and solvents, robustness and resistance to physical degradation make it most preferred candidate for sustained drug delivery. However, design and development of cubic phase based palatable solid dosage form of GMO has limitations due to its intrinsic properties like stickiness and stiffness. Preparation of dry powder precursors, which can be quickly transformed into cubic phase *in situ*, will promote industrial application of the system. Recently, developed spray dried dry powder cubosomes by encapsulating monoolein using ternary (starch monoolein-water) and quaternary (dextran-monoolein-ethanol-water) systems. [9,10]

MATERIAL AND METHODS

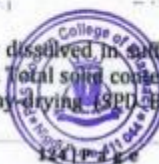
Materials

Glyceryl mono-oleate (MONOYL- 0100) was generous gift from Mohini Organics Pvt Ltd. Mumbai. Magnesium trisilicate (MTS) was gifted from Merck chemicals Pvt Ltd. Nashik (India). Lornoxicam was obtained as gift sample from Glenmark pharmaceuticals Ltd. Nashik (India). All other chemicals used were of analytical grade.

Preparation of powder precursor

Initially Glyceryl mono-oleate (GMO) was dissolved in sufficient amount of isopropyl alcohol and then MTS and Lornoxicam were dispersed in it. Total solid content of dispersion of all batches was 5.0%. The dispersion was further subjected to spray-drying (SPD-111, Technosearch Instruments, Mumbai) of Pharmacy Sector No.21, Yamunanagar, Nigdi, ©2021 BEPLS, India.

BEPLS Vol 10 [5] April 2021



Bulletin of Environment, Pharmacology and Life Sciences
Bull. Env. Pharmacol. Life Sci., Vol 10 [5] April 2021 : 108-115
©2021 Academy for Environment and Life Sciences, India
Online ISSN 2277-1808
Journal's URL: <http://www.beppls.com>
CODEN: BEPLAD



ORIGINAL ARTICLE

OPEN ACCESS

ICH Guideline in Practice: Validated Inherent Stability-Indicating HPLC-Dad Method for Simultaneous Determination of Eperisone Hydrochloride and Diclofenac Sodium in Marketed Formulation

Minal T. Harde,^{*1} Sameer H. Lakade,^{2,3} Neha K. Kakade,¹ Laxmi R. Chaudhary,¹ Snehal V. Gosavi,¹
Rohan R. Patekar,² Heena B. Choudhary²

¹ Department of Pharmaceutical Chemistry, PES's Modern College of Pharmacy, Sector no. 21,
Yamunanagar,
Nigdi, Pune, (M.S) India.

² Department of Pharmaceutics, RMD Institute of Pharmaceutical Education & Research, Pune, (M.S) India.

³ E-mail: sameer_patil97@rediffmail.com

ABSTRACT

A simple, rapid, precise and accurate isocratic reversed-phase stability-indicating HPLC with diode array detection method was developed and validated for the simultaneous determination of Eperisone hydrochloride (EPS) and Diclofenac sodium (DLF) in commercial capsules. EPS and DLF were degraded together under different stress test conditions prescribed by International Conference on Harmonization. The samples generated were used to develop a stability-indicating high performance liquid chromatographic (HPLC) method for both the drugs. The drugs were well separated from degradation products using a reversed-phase C 18 (4.6 x 250mm, 5µm particle size) column with isocratic elution of the mobile phase comprising of acetonitrile : water, in the ratio of 90:10 v/v (pH 3.5 adjusted with OPA). The mobile phase flow rate was maintained at 0.9 ml/min with the detection wavelength used for quantification of EPS and DLF was 276 nm. The drugs were subjected to different stress conditions like neutral, acidic and alkaline hydrolysis, oxidation, photolysis and thermal degradation. Degradation products produced was a result of stress studies did not interfere with the detection of EPS and DLF, thus the assay can thus be considered stability-indicating. Analytical performance of the proposed HPLC procedure was thoroughly validated with respect to system suitability, linearity, range, precision, accuracy, specificity, robustness, detection and quantification limits. The developed procedure is also applicable to the determination of instability of the drugs in commercial formulations.

Keywords: Eperisone hydrochloride, Diclofenac sodium, Stability indicating assay, forced degradation, HPLC, Diode array detection.

Received 11.01.2021

Revised 01.03.2021

Accepted 29.03.2021

INTRODUCTION

Eperisone hydrochloride (EPS) is chemically, 4-ethyl-2-methyl-3-piperidinopropiophenone hydrochloride. (Fig.1). [1]. It is official in Japanese pharmacopoeia (JP). It is estimated by potentiometric method as per JP.[2] EPS, an antispasmodic agent and a centrally acting muscle relaxant acts by relaxing both skeletal muscle and vascular smooth muscle, and demonstrates a variety of effect such as reduction of myotonia, improvement of circulation, and suppression of the pain reflex.

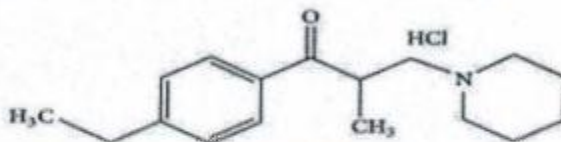


Fig. 1. Chemical Structure of Eperisone Hydrochloride (EPS)

The drug also improves dizziness and tinnitus associated with cerebrovascular disorders or cervical spondylosis. Diclofenac sodium (DLF) chemically it is 2-[2, 6 dichlorophenylamino] benzene acetic acid sodium salt (Fig. 2). DLF is official in IP, BP and USP. IP [3] & BP [4] describes liquid chromatography method & USP [5] describes the potentiometric method for estimation of DLF. It is classified as a non-steroidal anti-inflammatory agent. It is used to treat pain or inflammation caused by arthritis or

Bulletin of Environment, Pharmacology and Life Sciences
Bull. Env. Pharmacol. Life Sci., Vol 10 [5] April 2021 : 116-123
©2021 Academy for Environment and Life Sciences, India
Online ISSN 2277-1808

Journal's URL: <http://www.bepls.com>
CODEN: BEPLAD



ORIGINAL ARTICLE

OPEN ACCESS

Study and Optimization of Effect of Critical Formulation Components in The Manufacture of Multiparticulate Oral Controlled Release Drug Delivery System

Sameer H Lakade^{*1}, Minal T Harde², Monika Patil², Sneha Gupta⁴

¹Department of Pharmaceutics, RMD Institute of Pharmaceutical Education & Research, Pune (M.S) India.

²Department of Pharmaceutical Chemistry, PES's Modern College of Pharmacy, Sector no. 21, Yamunanagar, Nigdi, Pune (M.S) India.

⁴Department of Pharmaceutics, Sinhgad Institute of Pharmaceutical Sciences Lonavala, Pune.

Email for Correspondence: sameer_patil97@rediffmail.com

ABSTRACT

In recent years, there are so many controlled oral drug delivery system in that one of the advanced technique is pelletization. Propranolol hydrochloride which is an antihypertensive drug was formulated in the form of multiparticulate system. Wurster process was used in which pellets were designed with different material of construction of core pellets, binders and plasticizer/polymer ratio. The propranolol hydrochloride pellets were composed of water insoluble ethyl cellulose and water soluble hydroxyl propylmethyl cellulose polymer with PEG400 as a plasticizer for extended release action. The objective of the study was to identify the effect of critical variables related to formulation components on the release profile of extended release pellets so as to deliver a constant, predetermined amount of drug over 24 hr. Prepared pellets were evaluated for micromeritic properties, content uniformity and In-vitro drug release study. Dissolution studies revealed that the formulations containing sugar pellets showed faster release than microcrystalline cellulose pellets and MCC pellets (150-200µm) showed greater release than sugar pellets (500-600µm) and MCC pellets (300-500µm). PEG400- HPMC ratio of 2:1 and 3:1 showed slower release as compared with 1:1. Drug release decreased on increasing polymeric weight gain. There were not much difference found in release when HPMC (5cps), PVPK30 and PVPK90 used as a binder. Ethyl cellulose of 50cps retarded the release of drug as compared with 10cps. Therefore MCC pellets (150-200µm), HPMC as a binder, ethyl cellulose (10cps) and 1:1 ratio of PEG400 and HPMC were considered as an optimized components.

Keywords: Pellets, Wurster's process, Extended release polymers, Plasticizer, In-vitro dissolution studies.

Received 15.01.2021

Revised 05.03.2021

Accepted 26.03.2021

INTRODUCTION

Sustained release products have acquired extraordinary attention in recent years. Sustained (or continuous) release of a drug involves polymers that release drug at a controlled rate due to diffusion out of the polymer or by degradation of the polymer over time. Multi-particulate drug delivery systems are mainly oral dosage forms consisting of a multiplicity of small discrete units, each exhibiting some desired characteristics. The purpose of designing multiparticulate dosage form is to develop a reliable formulation that has all advantages of a single unit formulations. Multiparticulates can be represented as novel drug delivery system in the form of intestinal protective drug absorption system (IPDAS), Spheroidal oral drug absorption systems (SODAS), Programmable oral drug absorption system (PRODAS), Diffucaps, Minitabs, Pelletised tablet, Multiparticulate drug dispersing shuttle, Macrocap, Orbexa, Flashtab, InnoHerb.[1] There are some approaches to multiparticulate formulation such as Floating- pulsatile delivery system, colonic delivery and mucoadhesive delivery system. These systems could facilitate separate into sustained release units throughout the GIT after ingestion. One of the multiple unit dosage form is the pellets, which reduces variations in gastric emptying time and transit time, is less prone to dose dumping, and provides less irritation from high local absorption of drug. The multiple unit dosage forms are preparations that consist of several mini reservoirs. Pellets are spherical agglomerated powders range in the size between 0.5 to 1.5mm, depending on the processing technique having narrow size distribution.[2] Pelletization techniques widely used in pharmaceutical industries are direct pelletization, extrusion spherulization and layering. The fluid bed process often is used for coating and powdered layering (pelletizing) applications. The bottom spray (Wurster) fluid bed method is very

BEPLS Vol 10 [5] April 2021

116-123

Sector No.21, Yamunanagar, Nigdi,
Pune - 411 004, 2021 AEELS, INDIA

2022-2023

Development and validation of chromatographic method for analysis of some polycyclic hydrocarbons in soybean oil

Section A-Research paper

ISSN 2063-5346

**DEVELOPMENT AND VALIDATION OF CHROMATOGRAPHIC METHOD FOR ANALYSIS OF SOME POLYCYCLIC HYDROCARBONS IN SOYBEAN OIL**

Atul Baravkar^{1*}, Deepali Kadam², Vitthal Chopade³, Pradip Bodake⁴, Rajendra Kawade⁵, Rajanikant Kakade⁶, Amit Panaskar⁷, Bhagyashri Panaskar⁷, Nitin Shinde⁸, Reshma Devkate⁹, Komal Hole⁹, Shital Gaikwad¹⁰, Poonam Kasar¹⁰, Sonali Pawar¹¹, Vishnu Neharkar¹², Bhushan Pimpale¹, Shaikh Sana M Jafar Shaikh⁴, Rahul Mohan⁴, Monali Bhalerao¹³, Milind Velhal¹⁴, Hemant Deokule¹⁵

Article History: Received: 01.02.2023

Revised: 07.03.2023

Accepted: 10.04.2023

Abstract

Some polycyclic hydrocarbons (PHs) present in almost all edible oils are carcinogenic, teratogenic, neurotoxic and mutagenic at certain levels. There are total 16 PHs which are present in various edible oils. Soybean oil is one of most widely and routinely used for cooking food by all over population. Hence the detection of PHs levels in various soybean oil brands available in market is necessary. Many analytical methods are available for the same but these methods are time consuming and secondly quantity of organic solvents required is also higher. For example HPLC can be used for analysis of PHs in edible oils but it takes more time for analysis. Hence a novel method is developed using supercritical fluid chromatography for analysis of some PHs in soybean oil which reduces time by 5 times as compared to normal HPLC method and also requires less amount of organic solvents for analysis because of the lower viscosity and higher diffusivity in the mobile phases of SFC. The method is validated using various validation parameters and statistically proved using ANOVA.

KEY WORDS- Polycyclic hydrocarbons, Soybean oil, HPLC, SFC, Cancer.¹Shardabai Pawar Institute of Pharmaceutical Sciences and Research, Baramati, Pune, India. 413115²K. K. Wagh College of Pharmacy, Nashik, India. 422006³PES's Modern College of Pharmacy, Pune, India. 411044.⁴Jijamata College of Pharmacy, Sarati, Indapur, Pune, India. 413103.⁵Nandakumar Shinde College of Pharmacy, Vaijapur, Aurangabad, India. 413701⁶Siddhi's Institute of Pharmacy, Nandgaon, Murbad, Thane, India. 421401⁷Padmini College of Pharmacy, Diganchi, Sangli, India. 415315⁸Shardabai Pawar Women's Science College, Baramati, Pune, India. 413115⁹Institute of Pharmaceutical Sciences and Research for Girls, Bhigwan, Pune, India. 413130¹⁰Samarth Institute of Pharmacy, Belhe, Pune, India. 412410¹¹Vishal Institute of Pharmaceutical Education & Research, Junnar, India. 412411¹²Rasiklal Dhariwal Institute of Pharmaceutical Education & Research, Pune, India. 411019¹³LSDP College of Pharmacy, Mandavgan Pharata, Shirur, Pune, India. 412211¹⁴Trinity College of Pharmacy, Shirur, India. 411048¹⁵Delight College of Pharmacy, Koregaon Bhima, Pune, India. 4112216

Corresponding author- atul200678@gmail.com

DOI: 10.31838/ecb/2023.12.s1.087

Eur. Chem. Bull. 2023,12(Special Issue 1), 814-820



Principal
P. E. S. Modern College of Pharmacy
Sector No. 21, Yamunanagar, Nigdi,
Pune - 411 044.



Development and validation of RP-HPLC method for assay of Fluticasone furoate from nasal spray formulation

Section A-Research paper

ISSN 2063-5346

DEVELOPMENT AND VALIDATION OF RP-HPLC METHOD FOR ASSAY OF FLUTICASONE FUROATE FROM NASAL SPRAY FORMULATION



Vitthal Chopade^{1*}, Vishnu Neharkar², Padmanabhi Deshpande³, Makarand Puri⁴, Priti Khanapure¹, Vaishnavi Chopade⁵, Minal Ghante⁶, Jayshree Jagtap⁷, Shital Godse⁶, Vidhya Bhusari⁶, Vasundhara Sawant⁶, Sonali Labhade⁸, Rajendra Kawade⁹, Deepali Kadam¹⁰, Nilesh Jadhav¹¹, Gaffar Sayyad¹², Dipti Phadtare¹³, Shital Godse⁶, Pandurang Vijapure¹⁴, Kunal Survade¹³, Rahul Mohan⁹, Arvind Hatkar⁹, Atul Baravkar¹⁵

Article History: Received: 01.02.2023

Revised: 07.03.2023

Accepted: 10.04.2023

Abstract

The literature search reveals that, several HPLC methods for the determination of Fluticasone furoate in combination with other drugs are reported with long run time, high solvent consumption or with less available instrument as compared with HPLC. There is no any reported HPLC method for individual assay of Fluticasone furoate from nasal spray formulation. So the purpose of present experimental work is to develop a rapid, simple, precise, accurate, specific, and sensitive high performance liquid chromatographic method for assay of Fluticasone furoate from nasal spray formulation. The desired chromatographic separation was achieved on the Inertsil ODS-3V 250 x 4.6 mm, 5 μ column, using isocratic elution at 240 nm wavelength. The optimized mobile phase constituted of purified water and acetonitrile in the ratio of 20:80 % v/v delivered at the flow rate 1 ml/min with isocratic elution. The retention time of fluticasone furoate was 5 min. The method was validated according to International conference of harmonization guidelines in terms of accuracy, precision, specificity, robustness, linearity and other aspects of analytical validation. Linearity was established in the concentration range of 27.5 to 82.5 ppm ($r^2=1.000$). The recoveries obtained were 99.4 -100.5 %. Similarly the % RSD value for precision was also found to be within the acceptable limit. Developed method was simple and convenient which could be successfully applied for the routine analysis.

KEYWORD: Fluticasone furoate, Corticosteroid, Asthma, Allergic Rhinitis, RP-HPLC, Validation, ICH guidelines.

¹Modern College of Pharmacy, Pune, India. 411044

²Rasiklal M. Dhariwal Institute of Pharmaceutical Education and Research, Pune, India. 411019

³AISSMS College of Pharmacy, Pune, India. 411001

⁴School of Pharmacy, Vishwakarma University, Pune, India. 411048

⁵PRES College of Pharmacy for Women, Chincholi, Sinnar, Nashik, India. 422102

⁶SMT Kashibai Navale College of Pharmacy, Kondhwa, Pune, India. 411048

⁷SGRS's College of Pharmacy, Saswad, Pune, India. 412301

⁸Dr. D Y Patil Institute of Pharmaceutical Sciences & Research, Pimpri, Pune, India. 411018

⁹Nandkumar Shinde College of Pharmacy, Vaijapur, Aurangabad, India. 413701



Principal

P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

Original Article

Anthelmintic Potential Of Aqueous And Organic Extract Of Seeds Of *Samanea saman* (Merr)

Atul Baravkar^{1*}, Nitin Aher², Ramdas Kale³, Vitthal Chopade⁴, Vishnu Neharkar⁵, Makarand Puri⁶, Padmanabh Deshpande⁷

¹Shardabai Pawar Institute of Pharmaceutical Sciences and Research, Baramati, Pune, India. 413115

²Ashwin College of Pharmacy, Ashwin, Ahmednagar, India. 413714

³SVP College of Pharmacy, Malegaon (Bk), Baramati, Pune, India. 413115

⁴Modern College of Pharmacy, Nigadi, Pune, India. 411044

⁵Rasiklal Dhartiwal Institute of Pharmacy, Pune, India. 411019

⁶Rasiklal School of Pharmacy, Vishwakarma University, Pune, India. 411048

⁷AISSMS College of Pharmacy, Pune, India. 411006

*Author for correspondence: Atul Baravkar

DOI: 10.47750/jpr.2023.14.03.295

Abstract

The aim of this research study was to evaluate aqueous and organic extracts of seeds of *Samanea saman* (Merr) for their anthelmintic activity using Indian adult earthworm *Pheretima posthuma*. Different concentrations of aqueous and organic extract ranging from 10 to 100 mg/ml were made and tested on soil earthworm. These extracts were tested for bioassays which include time for paralysis and time for death of the worms. Aqueous as well as organic extract of seeds does not exhibited strong anthelmintic activity at concentration of 100 mg/ml. Lower concentrations also did not produced significant anthelmintic activity. The standard reference drug which is used for comparing anthelmintic activity of these extracts was piperazine citrate at concentration of 10 mg/ml. Both aqueous and organic extracts of seeds of *Samanea saman* were evaluated and showed no potential anthelmintic activity.

KEYWORDS Anthelmintic activity, Extraction, Piperazine citrate, *Samanea saman*, *Pheretima posthuma*.

INTRODUCTION:

Helminthiasis is a worm infestation of humans and other animals even life stock and crops affecting health and food production respectively and has impact on global economic factor.¹ The worms which causes helminthiasis are called as helminths and the drugs which are used for treating helminthiasis are nothing but anthelmintics.² There are various types of worms such as hook worms, fluke worms, round worms, tape worms which causes helminthiasis. The names are given according to their shapes. The major organs which get affected in helminthiasis are stomach and intestine and major symptoms of sever helminthiasis include diarrhea, abdominal pain, general malaise and impaired cognitive development. Chronic helminthiasis by hook worm lead to intestinal bleeding and anemia.³ *Pheretima* is a genus of earthworms. *Pheretima posthuma* are long cylindrical shaped worms having length of 15-30 cm. they are mostly found in moist soil and responsible for vegetables and humus. Their life span is 3 to 10 years.⁴

Samanea Saman Merr (family Fabaceae) commonly known as rain tree is easily available and widely spread plant in the world. It is widely cultivated throughout Mediterranean region and all tropical regions including temperate, tropical and subtropical regions due to its higher commercial scale.

Scientific classification of Taxonomy Kingdom: Plantae, Order: Fabales, Family: Fabaceae, Genus: *Samanea* Saman, Species: *Samanea saman* and exhibits the synonym names of *Samanea saman* such as *Albiziasaman*, *Enterolobium saman*, *Inga saman*, *Pithecellobium saman*, and *Mimosa saman*.⁵

Downpour tree is effortlessly known for its qualities like umbrella-molded cover. Downpour tree is filled in the open and ordinarily arrives at 15-25m (50-80 ft) in level. *Samanea saman* is quite possibly of the main plant in the Pacific as an overhanging tree on little ranches and along street side regions in parks and field. The downpour tree is filled in the tropical climate and its wood has restricted need for cut bowls, make wood, and fuel wood. The leaves and cases of downpour tree are utilized as food because of the great nutritive substance and nitrogen



Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

Int. J. Pharm. Investigation, 2023; 13(3):1-6.
<https://www.ijonline.org>

Original Article

Simultaneous Estimation of Lamivudine, Tenofovir Disoproxil Fumarate and Efavirenz in Bulk and Tablet Dosage Form by Cramer's Rule

Atul Baravkar¹, Vitthal Chopade², Makarand Puri³, Vishnu Neharkar⁴, Ramdas Kale⁵

¹Agricultural Development Trust's Sharda Bai Pawar Institute of Pharmaceutical Sciences and Research, Baramati, India.

²Modern College of Pharmacy, Pune, India.

³School of Pharmacy, Vishwakarma University, Pune, India.

⁴Rastikar Institute of Pharmaceutical Education and Research, Pune, India.

⁵SVPMS College of Pharmacy, Pune, India.

ABSTRACT

Background: Cramer's rule is one of the significant techniques applied to settle an arrangement of conditions. In this rule, the upsidings of the factors in the framework are to be determined utilizing the determinants of networks. Consequently, Cramer's rule is otherwise called the determinant rule. Few analytical methods for simultaneous estimation of Lamivudine, Tenofovir disoproxil fumarate and Efavirenz available currently are UPLC, RP-HPLC which are quite affordable. UV-Visible method is also available but that are not based on Cramer's rule which affords more accurate results in analytical research protocols. Traditional method needs to separate the LAM, TDF and EFV before analysis. Proposed method did not need to separate these 3 drugs and only needs to prepare the sample solution directly as per given in the assay procedure and measure the absorbance at 262 nm, 247 nm and 272 nm. **Materials and Methods:** Jasco V-730 double beam UV-Vis spectrophotometer at wavelength range of 200-400 nm was used for research protocol. Triday tablet containing three Anti-HIV drugs and manufactured by Cipla were used for the study. Methanol and freshly prepared distilled water was used as solvents. UV-Visible spectroscopy method is applied for simultaneous estimation of Lamivudine, Tenofovir disoproxil fumarate and Efavirenz in their ternary mixture and their tablet dosage form. UV-VIS spectrophotometry is based on the additivity of absorbance of drugs. The drugs show maximum absorbance at 247 nm for Efavirenz, 262 nm for Tenofovir and 272 nm for Lamivudine in methanol so these wavelengths were selected for further analysis. Matrix was drawn using the standard absorptivity values obtained at all the three wavelengths and the amount of drug in the tablet dosage form was calculated by solving matrix using Cramer's rule. The developed method was validated as per ICH guidelines. **Results:** The maximum wavelength found to be linear in the range of 5-30 µg/mL for Lamivudine and Tenofovir disoproxil fumarate while 10-60 µg/mL for Efavirenz. The precision was carried out at two level viz intra-day and inter-day for which the RSD was found within limit (<2%). Recovery study was carried out on the developed method and the recovery was found to be in the range of 97.5 - 102.5%. **Conclusion:** From analytical data it can be concluded that all the three drugs obey the Beer's-Lambert's law at these selected wavelengths of maximum. Method was found to be simple, sensitive, precise and accurate. The developed method can be applied for the routine analysis of the Lamivudine, Tenofovir disoproxil fumarate and Efavirenz in combined dosage form using Cramer's rule.

Keywords: Lamivudine, Tenofovir disoproxil fumarate, Efavirenz, Cramer's rule.

Correspondence:

Gandhi Santosh
Email: atul200678@gmail.com

Received: 31-12-2022;

Revised: 13-02-2023;

Accepted: 04-04-2023.



DOI: [DOI], 11.2.1

Copyright Information :

Copyright Author (s) 2023 Distributed under
Creative Commons CC-BY 4.0

Publishing Partner : Discreetly Tech. (www.amanascript.in)

INTRODUCTION

Tablet containing Lamivudine (LAM), Efavirenz (EFV), Tenofovir Disoproxil Fumarate (TDF), is prescribed combination used to stop or slow down the progression of HIV infection; also

International Journal of Pharmaceutical Investigation, Vol 13, Issue A, Jul-Sep, 2023



Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



MOU with Institute of Pharmaceutical Education and Research Pvt Ltd, Pune

Summary of activities under MOU

| Sr no | Academic Year | Name of Activity | No of beneficiaries | Start Date | End Date |
|-------|---------------------------|------------------|---------------------|------------|------------|
| 1 | 2021-2022 | Guest lecture | 95 | 04/01/2022 | 04/01/2022 |



On 100 Rs Stamp Paper



**Memorandum of Association for Mutually Beneficial For
Skill Development Programs in Pharma**


Between

1. IPER Pune

And

2 Progressive Education Society's Modern College of
Pharmacy, Sector-21, Yamunanagar, Nigdi, Pune-44




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



भारतीय गैर न्यायिक
एक सौ रुपये
Rs. 100
ONE
HUNDRED RUPEES
रु. 100
भारत INDIA
INDIA NON JUDICIAL

महाराष्ट्र MAHARASHTRA 2019 VK 415732

200000 9310419
मॉडर्न कॉलेज ऑफ फार्मसी
निगडी, पुणे
महोदय सुचकर
- 2 AUG 2019
प्रथम मुद्रांक लिपीक
कोषागार पुणे करिता

NOTARY
ADVOCATE
SHRIDHAR
M. YELMAR
Reg. No. 8312
Exp. 01/08/2020
GOVERNMENT OF INDIA

THIS AGREEMENT made on 14/08/2019, between Institute of Pharmaceutical Education and Research (Pune) Pvt Ltd, Registered Pvt Ltd Company and having its Administrative office at Office No.15 Ideal Chambers Paud Road Pune 411038 called "IPER" (which expression shall, unless it be repugnant to the context or meaning thereof, be deemed to mean and include its successors and assigns) of the ONE PART;

AND

Modern College of Pharmacy
Pune - 411044
Principal
R.E.S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Progressive Education Society's Modern College of Pharmacy, Sector-21, Yamunanagar, Nigdi, Pune-44 Having registered office at Nigdi, Pune hereinafter called "MCOPN" (which expression shall, unless it be repugnant to the context or meaning thereof, be deemed to mean and include its successors and assigns) of the OTHER PART:

WHEREAS the IPER is engaged in the Conducting several Pharma Management Diploma Programs and One day Certificate Programmes and has decided to collaborate with MCOPN for Skill Development for the Pharmacy/Science Students.

MCOPN is approved by the AICTE, PCI, Govt. of Maharashtra and is permanently affiliated to University of Pune. Moreover, the college is approved under Section 2(f) and 12(B) of the UGC Act, 1956. The college is accredited by NAAC Bangalore and awarded as Best Professional College by Savitribai Phule Pune University. The college is recognized as a Ph.D. research centre for Pharmaceutics and Pharmaceutical Chemistry by the University of Pune. The college is ranked 41 in 2017-18 and secured rank in 76-100 band in 2018-19 in NIRF National Ranking by MHRD, India in pharmacy category.

The college has state-of-the-art infrastructure for study and research in Pharmaceutical and life sciences. The faculty of the college is competent, qualified, devoted and with an innate passion for carrying out research with relevance to current and contemporary needs. The college has well furnished library which is enriched with Chemical Abstracts (1907-1986), e-library, language laboratory, and has subscribed to more than 3900 e-journals. The college has also subscribed to various national programs such as, National Program on Technology Enhanced Learning (NPTEL) and National Library and Information Services Infrastructure for Scholarly Content (NLIST) at INFLIBNET. The college has well equipped research laboratories and the faculty and the students have undertaken various research projects in major thrust areas in Pharmacy and allied sciences.

IPER is a reputed brand / company / organization in its respective professional field of pharma training and run Professional Pharma Management Diplomas and One day certificate programmes while MCOPN is a professional pharmacy/Science/ college or University imparting Quality Pharmacy or Life Sciences Education.

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. The MCOPN has joined hands with the IPER for enhancing the Industry relevance and exposure of the Pharma Industry Practices through various Pharma Management Programmes and One Day Certificate Programmes to their pharmacy/science students.
2. This association will be for a period of 5 year commencing from the date of this agreement,





Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

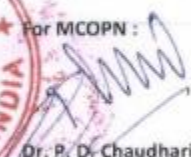



3. The **MCOPN** may advertise the **IPER** at its own cost and expenses by advertisements in newspapers, journals, magazines, Internet or by any other means.
4. The **MCOPN** agrees to conduct One Day Programme on **Current Challenges and opportunities in Pharmacy Profession** to inspire the students to enroll for **IPERs** Pharma Management Diplomas by paying Rs 700 per participant and agrees for minimum 60 participants. Minimum 30 students should register for **IPERs** any Pharma Management Diplomas and minimum 2 one day certificate programmes should be conducted by **MCOPN** in a year. For correspondence Registration **IPER** will conduct 1 One Day Professional certificate Programmes while for Online Registration 4 and Part Time Registration 6 programmes will be conducted to cover the content of programmes
5. The **MCOPN** agrees to appoint a High ranked senior professional amongst its employees as a Representative for coordinating the activities.
6. The **MCOPN** and the **IPER** hereby agree to use each other's business Collaterals like Logos, photos, website URL etc in their individual Business Collaterals after mutual consent.
7. The **MCOPN** or the **IPER** may terminate this Agreement, at any time during the period of three Years, after giving one year notice thereof, in case either party fails to comply with the instructions issued by it or if it omits to comply with its obligation imposed upon it under this agreement.
8. Charges of **IPER** for One Day Programme is Rs 700 per participant inclusive of 18% GST and for Prospectus and Application form for Diploma is Rs 1180 inclusive of 18% GST. Course fees of various courses mentioned in Annexure.
9. The **MCOPN** will receive 10 % of **IPER** fees charged to students for Pharma Management Diplomas after students enroll for the programme. Co-ordinator of **MCOPN** will get Rs 3000 per month for organizing activities.
10. For fee structure of **IPERs** Pharma Management Programmes see Annexure 1 and List of **IPERs** One Day Programme and fees see Annexure 2.
11. However, notwithstanding such notice or effective termination, parties shall complete their pending obligations. The ongoing program needs to be completed and ensure that the interest and rights of the admitted students would be protected by both the parties.






Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

12. Any and all disputes, controversies, differences arising between the parties hereto out of or in relation to this agreement or any breach thereof shall be finally settled by arbitration by two arbitrators, one to be appointed by each party to the dispute and the arbitrators shall, before taking upon themselves the burden of reference appoint an umpire. The award given by the arbitrators or umpire as the case may be, shall be, final and binding on the parties.
14. This agreement will be registered on stamp paper shall be executed in duplicate. The MCOPN shall retain the copy and IPER will retain the original.
15. Unless otherwise agreed upon, the respective addresses for communication in respect of any matter relating to this agreement shall be as under:

For MCOPN : 
Dr. P. D. Chaudhari
Principal,
P.E.S. Modern College of Pharmacy
Progressive Education Society's
Modern College of Pharmacy,
Sector-21, Yamunanagar, Nigdi, Pune-44

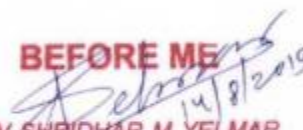


For IPER: 
Dr Mahesh Burande
Hon Director
Institute of Pharmaceutical
Education and Research (Pune) Pvt. Ltd.








Sameer Burande
CEO IPER.




BEFORE ME

ADV. SHRIDHAR M. YELMAR
NOTARY GOVT. OF INDIA
CHINCHWAD, PUNE-19.
14 AUG 2019




| <div><div>Progressive Education Society's MODERN COLLEGE OF PHARMACY Accredited by NAAC & NBA DST FIST Funded College 'Best College Award' by Savitribai Phule Pune University</div></div> | | | | | |
|---|---------------|------------------|--|------------|------------|
| Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi, Directorate of Technical Education, Mumbai (MS), Permanently affiliated to Savitribai Phule Pune University, Pune & Approved under Section (2 (f) & 12 (B) of UGC Act, 1956 | | | | | |
| Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044. (M.S.) Tel. : 020-27681314 / 15 E-mail : mcpnigdi44@gmail.com Website : www.mcop.org.in | | | | | |
| Prof. Dr. P. D. Chaudhari M.Pharm., Ph.D. Principal | | | Prof. Dr. Gajanan R. Ekbote M.S., M.N.A.M.S. Chairman, Business Council P.E.Society, Pune | | |
| Ref : | | | Date : | | |
| Summary of Activity done under MOU Year wise | | | | | |
| Name of concern Organization: Institute of Pharmaceutical Education and Research Pvt Ltd (IPER Pune) | | | | | |
| Date of MOU: 14/08/2019 to 13/08/2024. | | | | | |
| Validity Period of MOU: 05 years | | | | | |
| Sr no | Academic Year | Name of Activity | No of beneficiaries | Start Date | End Date |
| 1 | 2021-2022 | Guest lecture | 95 | 04/01/2022 | 04/01/2022 |
| <div><div> Dr. Pravin D. Chaudhari Principal and Professor</div><div><div> MoU Incharge Institute of Pharmaceutical Education and Research (Pune) Pvt Ltd (IPER Pune)</div></div></div> | | | | | |
| STRIVING TOWARDS EXCELLENCE FOREVER | | | | | |



2021-2022



Progressive Education Society's
MODERN COLLEGE OF PHARMACY
Accredited by NAAC
Best College Award by Savitribai Phule Pune University



Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently Affiliated to
Savitribai Phule Pune University, Pune & Approved under Section 2 (f) & 12 (B) of UGC Act, 1956

Section No.21, Yamunanagar, Nigdi, Pune-411 044. (M.S.) Tel : 020-27661315 Fax: 020-27661314
E-mail : mcpnigdi44@gmail.com Website : www.mcap.org.in

| | |
|---|--|
| Prof. Dr. P. D. Chaudhari M.Pharm., Ph.D. Principal | Prof. Dr. G. R. Ekbote M.S., M.N.A.M.S. Chairman, Business Council |
|---|--|

Date: 31/12/2021


NOTICE


All First Year B. Pharm, Direct Second Year, First Year Pharm. D., Second Year Pharm. D. & Fourth Year Pharm D. (P.B.) students are hereby informed that your **"Three Days Induction Program"** is scheduled from **Tuesday, 04/01/2022 to Thursday, 06/01/2022**. Guest lecture on "Challenges & opportunities in pharmacy field" by **Dr. Mahesh D. Burande Director, I.P.E.R, Pune** is scheduled on **04/01/2022 at 11:00 am to 12:30 pm**.


Attendance is mandatory.

Venue: MIBS (formerly IMCD) Building, Seminal Hall, Nigdi.

Session wise schedule are attached with this notice.
Follow all the guidelines of covid-19 during the program.


Prof. R. M. Gurav
Induction Program Coordinator




Dr. P. D. Chaudhari
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune 411 044.



Progressive Education Society's
MODERN COLLEGE OF PHARMACY
 Yamunanagar, Nigdi, Pune -44



Name of Activity: Induction Program

Date: 04/01/2022 to 06/01/2022

Date of Activity: 04/01/2022


| Sr. No. | Name of Participants | Sr. No. | Name of Participants |
|---------|-------------------------------|---------|----------------------------|
| 1. | Adhalrao Vaishnavi D | 36 | Yadav Amit Rajbali |
| 2. | Gopnar Keshav Ranjeetrao | 37 | Yeole Mrugaja Rajendra |
| 3. | Aaditya Gaikwad | 38 | Zinjurke Siddesh Kalyan |
| 4. | Prafull Kamjalge | 39 | Pande Aishwarya Narharirao |
| 5. | Satsang Kumthekar | 40 | Pathade Aditi Ambadas |
| 6. | Soham Misal | 41 | Sawant Omkar Ravindra |
| 7. | Shweta Nagare | 42 | Shendage Rohit Janardan |
| 8. | Laasya Ratna Pagadala | 43 | Shinde Rohit Ananda |
| 9. | Srusti Sonawane | 44 | Shirke Vaishnavi Vishnu |
| 10. | Sindhav Krushnarajsinh | 45 | Phalke Pratik Kiran |
| 11. | Solanke Omkar Shivaji | 46 | Raut Mahesh Digambar |
| 12. | Barhate Jay Jitendra | 47 | Reddy Mahesh Rajkumar |
| 13. | Bhale Geetanjali Narayan | 48 | Sabale Sahil Maruti |
| 14. | Bhandare Akanksha Abhijit | 49 | Kandekar Tejas Vijay |
| 15. | Bhumkar Pankaj V | 50 | Kapse Yash Raju |
| 16. | Birje Siddhi Omprakash | 51 | Pande Aishwarya Narharirao |
| 17. | Bisane Nisarga Nandkishor | 52 | Pathade Aditi Ambadas |
| 18. | Sur Krishnkumarsinh | 53 | Mathapati Tushar Mallinath |
| 19. | Suryawanshi Chanchal Raju | 54 | Mhetre Shweta Mohan |
| 20. | Thorat Yash Ramesh | 55 | Mulla Taufik Usman |
| 21. | Sur Krishnkumarsinh | 56 | Bobade Durga Manoj |
| 22. | Chorghade Vijay Namdev | 57 | Bodkhe Shrinath Balaji |
| 23. | Dhakne Dhanraj Shriram | 58 | Borhade Anuj Vivek |
| 24. | Gosavi Deepali Shrikrushna | 59 | Chaudhari Sakshi Nitin |
| 25. | Hiremath Niraj Sharanayya | 60 | Kulkarni Yash Balkrushna |
| 26. | Ishte Kirti Dattatray | 61 | Mane Digvijay Bharat |
| 27. | Jadhav Rupesh Ramrao | 62 | Adhav Atharv Raju |
| 28. | Joshi Atharva Praful | 63 | Adsul Jivan Kantilal |
| 29. | Nigade Nikita Nanasahab | 64 | Aglave Akanksha Sanjay |
| 30. | Khair Pooja Sunil | 65 | Akolkar Shrutika Bhlmrj |
| 31. | Sabale Sahil Maruti | 66 | Shirude Atharva Bhagwan |
| 32. | Sambare Dattatray Shrikrushna | 67 | Sontakke Rutuja Kiran |
| 33. | Sapkal Tushar Shrimant | 68 | Talekar Sanika Sanjay |
| 34. | Wakude Shrikrushna Santosh | 69 | Bagalkot Priti Mohan |
| 35. | Wankhede Khushi Kailas | 70 | Barge Kunal Gajanan |



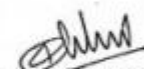
Progressive Education Society's
MODERN COLLEGE OF PHARMACY
Yamunanagar, Nigdi, Pune -44



| Sr. No. | Name of Participants | Sr. No. | Name of Participants |
|---------|----------------------------|---------|-------------------------|
| 71 | Dhumal Shraddha Swapnil | 86 | Shreeparna Bhattacharya |
| 72 | Dudhabhate Rutuja Anuraj | 87 | Vasundhara Deosarkar |
| 73 | Gaikwad Anish Arun | 88 | Siddhi Dhawade |
| 74 | Gambhir Suyash Deepak | 89 | Niranjana Hingane |
| 75 | Chaukate Prerana Adinath | 90 | Ankit Jadhao |
| 76 | Chavan Arati Santosh | 91 | Yuvraj Jadhav |
| 77 | Dhumekar Vedashree Anil | 92 | Rutika Kamble |
| 78 | Dudhade Devendra Sanjay | 93 | Neerav Motwani |
| 79 | Galande Shubham Vijay | 94 | Nikita Sanap |
| 80 | Ghogare Nilesh Balaji | 95 | Kirti Savali |
| 81 | Reddy Mahesh Rajkumar | | |
| 82 | Shinde Tejas Subhash | | |
| 83 | Shirke Rui Vijay | | |
| 84 | Kamble Anushka Anil | | |
| 85 | Kamble Anushka Arvindkumar | | |
| | | | |


Prof. R. M. Gurav
Induction Program Coordinator




Dr. P. D. Chaudhari
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.




Progressive Education Society's
MODERN COLLEGE OF PHARMACY



| | | |
|-----|------------------------------------|--|
| 1. | Name of activity | Guest lecture on "Challenges & opportunities in pharmacy field" |
| 2. | Date of activity | 4 th January 2022 |
| 3. | Time | 11:00 am to 12:30 pm |
| 4. | Speaker | Dr. Mahesh D. Burande Director, I.P.E.R, Pune |
| 5. | No. of total students participated | 95 |
| 6. | Occasion of activity | Induction Program |
| 7. | Inauguration by | Dr. Mahesh D. Burande and Dr. Pravin D. Chaudhari sir |
| 8. | Place of activity | MIBS (formerly IMCD) Building, Seminal Hall, Nigdi. |
| 9. | Objectives of activity | <p>Progressive Education Society's Modern College of Pharmacy, Nigdi has organized has initiated 03 days Induction Program for First Year B. Pharm, Direct Second Year, First Year Pharm. D., Second Year Pharm. D. & Fourth Year Pharm D. (P.B.) students to inculcate holistic way of understanding the society and relationships.</p> <p>Purpose of the Student Induction Program is to help new students adjust and feel comfortable in the new environment, inculcate culture of the institution in them, help them build bonds with other students and faculty members, practice human values to build characters and expose them to a sense of larger purpose and self-exploration.</p> |
| 10. | Outcome of activity | Participants understand various Challenges to be faced for their professional and moral development as a pharmacist. as well as students get to know about various opportunities available in pharmacy field |



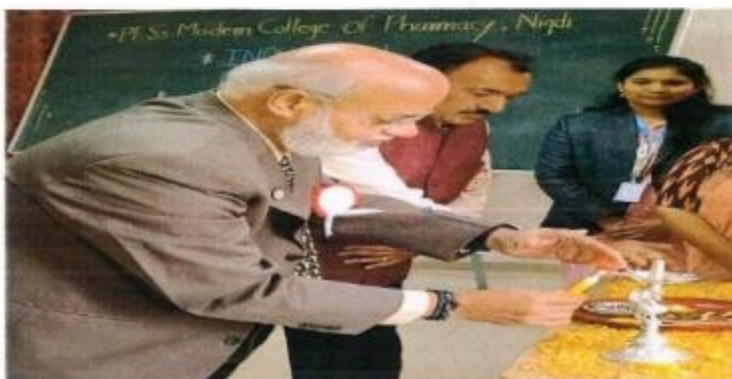

Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Progressive Education Society's
MODERN COLLEGE OF PHARMACY



Photos of Activity



Prof. R. M. Gurav
Induction Program Coordinator

Dr. P. D. Chaudhari
Principal



Principal
P. E. S. Modern College of Pharmacy
Sector No. 21, Nigdi, Pune - 411 044.





MOU with Sava Healthcare Limited, MIDC, Chinchwad, Pune

Summary of activities under MOU

| Sr no | Academic Year | Name of Student | Name of Activity | Title of Activity | No of beneficiaries | Start Date | End Date |
|-------|---------------------------|--------------------------|----------------------------|--|---------------------|------------|------------|
| 1. | 2018-2019 | Sayali Damgude | Student industrial project | Development and validation of RP-HPLC method for determination of scopolamine and myristicin in bulk and dosage form | 1 | 20/06/2018 | 06/02/2019 |
| 2. | 2019-2020 | - | Industrial visit | - | 16 | 07/02/2020 | 07/02/2020 |
| 3 | 2020-2021 | Pratik kumar Deepak More | Student industrial project | Application of RP-HPLC method in dissolution testing for simultaneous estimation of Metformin and vildagliptin in marked dosage form | 1 | 22/07/2020 | 22/2/2021 |



MEMORANDUM OF UNDERSTANDING

BETWEEN

Progressive Education Society's Modern College of Pharmacy Sector 21, Yamunanagar, Nigdi, Pune-411044, which is represented by its principal named Dr. Pravin D. Chaudhari here in named as party one

AND

Sava Healthcare Limited, MIDC, Chinchwad, Pimpri-Chinchwad, Maharashtra 411019 here in named party two



Principal

[Signature]

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune-411044

Registered Office: Shed No 508 GIDC 2, Wagholi City, Dist. Pune-411044, Maharashtra
R&D Center: Block No. D1, Plot No. 17/6 MIDC, Chinchwad, Pune-411019, India
Tel: +91 20 6816 1200 E mail: sales@savaglobal.com Web: www.savaglobal.com



THIS MEMORANDUM OF UNDERSTANDING IS MADE AT PUNE ON 18/05/2019

WHEREAS

The First Party is Educational Institute/College named as above. First Party is the amongst the premium Pharmacy institutes imparting quality education in a sector of Pharmaceutical Sciences as well as carrying out research in Pharmaceutical Sciences. It is established in 1998 in Pimpri-Chinchwad industrial belt and run by Progressive Education Society Pune-5. It offers Undergraduate (B. Pharm.), Pharm D, Post graduate (M. Pharm) and Doctoral courses (Ph.D) in Pharmacy. All the courses are recognized by Pharmacy Council of India (PCI), Institute is affiliated to Savitribai Phule Pune University, Pune, Approved by All India Council for Technical Education (AICTE), Maharashtra State Board of Technical Education and also approved under 2(f) and 12 (B) of the UGC Act. With the relentless efforts of dedicated and competent faculty, updated curriculum, innovative methods of instructions top end infrastructure and sturdy support of management, it has emerged as a center of academic excellence and attracting students from all over India. Whereas the second party is also engaged in research in Pharmaceutical Sciences.

WHEREAS

Second Party is Sava Healthcare Limited is a research-driven company, with R & D facility located at Chinchwad near Pune is best in class and approved by DSIR, R & D has developed over 325 formulations in-house.

WHEREAS both the parties hereby covenant to adhere with following terms for entering into this Memorandum of Understanding:

- Both the parties shall maintain permanent channels of communication for exchange of information, facilities and research under Collaborative research projects, Industrial visit, Student Internship, Sharing expertise in Both ways, Demonstration of Equipment or new technology, Use of facilities at the end of both parties, Sharing library facilities, Seeking feedback on curriculum, co-curricular and extracurricular activities also involve in Co-organizing Seminar, Conferences and Workshops.
- Both the parties shall explore possibilities of updating the respective information technology systems if required.





GOALS AND OBJECTIVES

Both the parties being in the field of importing knowledge have agreed to collaborate to with following objects:

1. The purpose of this MOU is to continue to develop and expand a framework of cooperation between the First Party and Second party to develop mutually beneficial research projects and professionally competent ethically sound, skilled pharmacist at par with global standards.
2. Both the parties have agreed to work in the areas of mutual interest such as
 - ✓ Collaborative research projects
 - ✓ Industrial visit
 - ✓ Student internship
 - ✓ Sharing expertise in Both ways.
 - ✓ Demonstration of equipment or new technology
 - ✓ Use of facilities at the end of both parties
 - ✓ Sharing library facilities
 - ✓ Seeking feedback on curriculum, co-curricular and extracurricular activities
 - ✓ Co-organizing Seminar, Conferences and Workshops
3. Recognizing the importance of institutes of higher education's role in promoting collaboration and increased contribution of social economic development.

NOW THEREFORE THIS MEMORANDUM OF UNDERSTANDING WITNESSE AS UNDER

1. Field of Co-Operation:

Co-operation between both the parties may be established within any field related to science and technology of mutual interest and in particular fields of Collaborative research projects, Industrial visit, Student Internship, Sharing expertise in Both ways, Demonstration of Equipment or new technology, Use of facilities at the end of both parties, Sharing library facilities, Seeking feedback on curriculum co-curricular and extracurricular activities as well as involve in Co-organizing Seminar, Conferences and Workshops.




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



2. Management and Administration:

Negotiation, implementation and co-operation of the Memorandum of Understanding fall under the responsibility of both the parties.

3. General Provisions:

- a. Both the parties will carry out collaborative research activities, as a follow up to this Memorandum of Understanding. The activities must be carried out in accordance with appropriate laws of India for the time being in force.
- b. BOTH THE PARTY may allot such joint projects to B. Pharm, M.Pharm, Pharm D and Ph.D. students with the help of the staff and students of their organization. The required equipment for carrying out the R & D activity other than those available with FIRST PARTY and are to be made available by SECOND PARTY and Vice Versa or suitable assistance shall be borne by the BOTH THE PARTIES for getting such work done.
- c. The faculty, students and employees from both parties can freely interact on the joint research project. The faculty and the students can share the Laboratory and Instrumental facilities for smooth functioning of the project.
- d. The findings of the research work shall be published or patent jointly by the parties.
- e. If the results of this joint project are able to attract commercial utilization, then the financial benefit shall be shared between the two parties equally or through any mutually agreed arrangements.
- f. Both parties should follow rules and regulations during said activities in the premises.

4. Amendments:

This Memorandum of Understanding may be amended, if required, by mutual agreement between both the parties, formalized by an exchange of letters specifying the date of entry into force.

5. Settlement of Disputes:

Any dispute which may arise in connection with the interpretation or enforcement of this Memorandum of Understanding shall be strived to be settled by mutual consultation between both the parties and for the purpose of settlement of dispute the jurisdiction shall be within the limits of Pune.



Page 4 of 5

[Signature]
Principal
P.E.S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



6. Termination:


Either Party may terminate this Memorandum of Understanding at any time with at least 90 days prior written notice to the other Party. The early termination of this Memorandum of Understanding will not affect the completion of any co-operation measures that were agreed under the annual work programs whilst it was in force.

7. Valid period:

This MOU shall take effect from the date of its signing and shall be valid for the period of 10 (Ten) years from the date on which it came into force.

Signed in Pune on 18/05/2019 in two original in English language.

| | | | |
|-----------------------------|--|------------------------------|---|
| For Party of the First Part | Progressive Education Society's Modern College of Pharmacy Sector 21, Yamunanagar, Nigdi, Pune - 411044 | For Party of the Second Part | Sava Healthcare Limited, MIDC, Chinchwad, Pimpri-Chinchwad, Maharashtra 411019 |
| Signature with seal |   | Signature with seal | Dr. Sriram Padmanabhan  |
| Designation | Principal and Professor | Designation | Head-R&D |
| Name | Dr. Pravin D. Chaudhari Email ID: pdchaudhari21@rediffmail.com Contact: 9850179873 | Name | Email ID: sriram.p@savaglobal.com Contact: 7507003688 |
| Date | 18/05/2019 | Date | 18/05/2019 |


Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Progressive Education Society's
MODERN COLLEGE OF PHARMACY

Accredited by NAAC & NBA
DST FIST Funded College

'Best College Award' by Savitribai Phule Pune University

Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently affiliated to
Savitribai Phule Pune University, Pune & Approved under Section (2 (f) & 12 (B) of UGC Act, 1956

Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044, (M.S.) Tel. : 020-27661314 / 15

E-mail : mcpnigdi44@gmail.com Website : www.mcop.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. Gajanan R. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council
P.E.Society, Pune

Ref :

Date :

Summary of Activity done under MOU Year wise

Name of concern Industry: SAVA Healthcare Limited, Pune

Date of MOU: 18/05/2019 to 17/05/2029

Validity Period of MOU: 10yrs

| Sr no | Academic Year | Name of Student | Name of Activity | Title of Activity | No of beneficiaries | Start Date | End Date |
|-------|---------------|--------------------------|----------------------------|--|---------------------|------------|------------|
| 1. | 2018-2019 | Sayali Damgude | Student industrial project | Development and validation of RP-HPLC method for determination of scopolamine and myristicin in bulk and dosage form | 1 | 20/06/2018 | 06/02/2019 |
| 2. | 2019-2020 | - | Industrial visit | - | 16 | 07/02/2020 | 07/02/2020 |
| 3 | 2020-2021 | Pratik kumar Deepak More | Student industrial project | Application of RP-HPLC method in dissolution testing for simultaneous estimation of Metformin and vildagliptin in marked dosage form | 1 | 22/07/2020 | 22/2/2021 |

Dr. Pravin D. Chaudhari
Principal and Professor




MoU Incharge
SAVA Healthcare Limited, Pune



STRIVING TOWARDS EXCELLENCE FOREVER



2018-2019



Date: 06th June 2019


TO WHOM IT MAY CONCERN

This is to certify that, Ms. Sayali Damgude student of Modern College of Pharmacy has successfully completed training programme from 20th June 2018 to 06th February 2019 in our Herbal Department.


During the period of her internship programme with us she was found punctual hardworking and inquisitive

We wish her every success in her future pursuits

For SAVA HEALTHCARE LIMITED


Anshu Mukherjee
Head- Human Resource,






Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

SAVA HEALTHCARE LIMITED
CIN: U51397GJ2004PLC074963
Registered Office: Shed No. 508 GIDC 2, Wadhwani City, Dist. Surendranagar - 363005, Gujarat, INDIA
Corporate Office: SAVA House, Off New Airport Road, Viman Nagar, Pune - 411014, INDIA
Tel: +91 20 3061 6100 Fax: +91 20 3061 6161 E-mail: sales@savaglobal.com Web: www.savaglobal.com



30th August 2018

Sayali Shantaram Damgude
Matoshree Sec No 30/32 Near
Ganpati Mandir Walhekaryadi
Chinchwad Pune-411033.

Subject: Internship project permission.

We refer to the letter from your Institution Modern College of Pharmacy, Pune requesting to organize training to the M.Pharm students of your institution.

We are pleased to inform you that out of the list of students provided, you have been short listed to undergo an internship for a period of 6 months at our R&D Center, Chinchwad on the following terms and conditions:

1. The internship shall commence effective 20th June 2018 for a period of 6 months during which period the intern shall be required to register her presence for all the working day during the aforesaid tenure of training/ internship project. In case the Intern fails to satisfactorily complete the aforesaid days, the internship shall be extended to the number of days falling short.
2. You shall be required to maintain highest order of discipline and secrecy as regards the work of the company and/ or its subsidiaries or associate companies.
3. As this arrangement is a training/ internship project which is purely academic in nature, therefore you shall not be paid any Stipend and/ or any financial disbursement, whatsoever during the tenure of the project.
4. After an initial training, a suitable Project befitting the research need shall be given to you to work upon and on its successful completion, you shall be required to present and submit the project work to the authorities of Sava Healthcare Ltd. Such Project work accomplished during the internship period shall remain the intellectual property of the company.
5. During the tenure of the internship the Company shall not be liable to for any compensation arising due to any physical injury and/ or accident and/ or any hazard arising out of any work performed during the course of the project work and/ or while coming/ going to/ from the place of training and/ or any of the Company premises for the purpose of the project work/ internship.
6. On successful completion of the project/ internship, you shall be provided with a certificate of project completion by the company.
7. The company shall not be liable to gainfully employ you on completion of the project work and any full time position being offered to you shall be at the sole discretion of the Company.

We wish you a great learning experience at SAVA and trust you shall immensely add value to the project being allocated to you.

Thanking You,

For SAVA HEALTHCARE LTD.

Anshu Mukherjee
Head-Human Resource

*-1

I accept the above terms & conditions



Sayali Shantaram Damgude

Principal
P.E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

SAVA HEALTHCARE LIMITED

CIN: U51397GJ2004PLC074963

Registered Office: Sheo No 506 GIDC 2, Wadhwan City, Dist Surendranagar - 363035, Gujarat, INDIA,
Corporate Office: SAVA House, Off New Airport Road, Viman Nagar, Pune - 411014, INDIA.
Tel: +91 20 3061 6100 Fax: +91 20 3061 6161 E-mail: sales@pes.moderncollegeofpharmacy.com Web: www.pesmoderncollegeofpharmacy.com



Progressive Education Society's Modern College of Pharmacy, Yamunanagar, Nigdi,
Pune-411044

Industrial Project/ Training Project Report


1. Name of Student: Sayali Shantaram Damgude
2. Class/Sem : S.Y.M.Pharm, Sem-III
3. Department: Quality Assurance Technique
4. Roll No. : QAT - 204
5. Name and address of company: Sava Healthcare Ltd. Chinchwad, Pune.
6. Industrial project/ Training period: 20 June 2018 to 21 December 2019
7. Period of progress report: 20 June 2018 to 19 August 2018.
8. Title of project work: "Development and Validation of RP-HPLC Method for Determination of Scopoletin and Myristicin In Bulk and Dosage Form."
9. Work done week wise:


| Week 1 | Week 2 | Week 3 |
|---|--|---|
| SOP reading of HR policy related manuals and employee training | SOP reading of procedure for issuance of log books and LNB, procedure for documentation correction. And handling of deviation incident and CAPA. | SOP reading of procedure for allocation of product code, employee code, Layout of F&D, ADL and HERBAL laboratory, Procedure for handling of deviations and incidence, Quality policy. |
| Week 4 | Week 5 | Week 6 |
| SOP reading of recording LNB, stability stress studies of developmental batches, Dispensing of raw materials. | SOP reading pH meter KF titrator and sonicator- Model 5.5L-150H. | SOP reading of UV/ Visible spectrophotometer. Model no. shimadzu |
| Week 7 | Week 8 | Week 9 |
| SOP reading of calibration and operation of manual and auto dissolution tester. | SOP reading of calibration and operation of HPLC system (Waters Corp Ltd) software - Empower 2.0. | Reading of ICH guidelines such as analytical method development and impurity profiling. |





Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.




Sayali S. Damgude
Student Name and Sign



Dr. Laxman Sawant
Industry Guide/ Representative Name and Sign


Dr. Amit S. Tapkir
College Guide Name and Sign


Dr. P. D. Chaudhari
Principal Name and Sign


Dr. K. S. Shaikh
Training In-charge Name and Sign




Principal
P. E. S. Modern College of Pharmacy
Sector No. 21, Yamunanagar, Nigdi,
Pune - 411 044.



Progressive Education Society's Modern College of Pharmacy, Yamunanagar, Nigdi, Pune-411044


Industrial Project/ Training Project Report

1. Name of Student: Sayali Shantaram Damgude
2. Class/Sem : S.Y.M.Pharm, Sem-III
3. Department: Quality Assurance Technique
4. Roll No. : QAT - 204
5. Name and address of company: Sava Healthcare Ltd. Chinchwad, Pune.
6. Industrial project/ Training period: 20 June 2018 to 21 December 2019
7. Period of progress report: 20 August 2018 to 19 October 2018.
8. Title of project work: "Development and Validation of RP-HPLC Method for Determination of Scopoletin and Myristicin In Bulk and Dosage Form."

9. Work done week wise:

| Week 10 | Week 11 | Week 12 |
|--|--|---|
| Literature survey for selection of API. and marketed products. | Literature survey for selection of API and marketed products | Selection of wavelength by UV Spectrophotometer Wt/ ml of sample |
| Week 13 | Week 14 | Week 15 |
| Solubility study and pH of sample | Study of ICH guidelines Q1A to Q1F. | Study of ICH guidelines Q4 to Q8. |
| Week 16 | Week 17 | Week 18 |
| Method development trials (Optimization of column) | Method development trials (Optimization of column) | Method development trials (Optimization of column) |

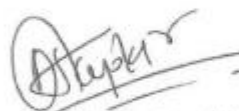


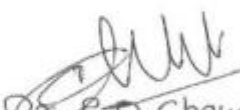

Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.





Sayali S. Damgude
Student Name and Sign



Dr. Laxman Sawant
Industry Guide/ Representative Name and Sign


Dr. Amit S. Tapkir
College Guide Name and Sign


Dr. P. D. Chaudhari
Principal Name and Sign


Dr. K. S. Shaikh
Training In-charge Name and Sign




Principal
P.E.S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Progressive Education Society's Modern College of Pharmacy, Yamunanagar, Nigdi, Pune-411044


Industrial Project/ Training Project Report

1. Name of Student: Sayali Shantaram Damgude
2. Class/Sem : S.Y.M.Pharm, Sem-III
3. Department: Quality Assurance Technique
4. Roll No. : QAT - 204
5. Name and address of company: Sava Healthcare Ltd. Chinchwad, Pune.
6. Industrial project/ Training period: 20 June 2018 to 21 December 2019
7. Period of progress report: 20 October 2018 to 21 December 2018.
8. Title of project work: "Development and Validation of RP-HPLC Method for Determination of Scopoletin and Myristicin In Bulk and Dosage Form."
9. Work done week wise:

| Week 19 | Week 20 | Week 21 |
|--|--|--|
| Method development trials | Method development trials | Method development trials |
| Week 22 | Week 23 | Week 24 |
| Method development trials (Optimization of column) | Method development trials (Optimization of mobile phase, its composition and run time) | Method development trials (Optimization of mobile phase, its composition and run time) |
| Week 25 | Week 26 | Week 27 |
| Method development trials (Optimization of flow rate and column temperature) | Method development and validation | Method development and validation |

10. Details of achievements (Publications, conference papers, presentations, patents, etc.):--

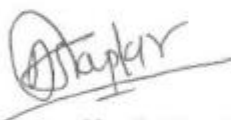



Principal
P.E.S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.




Sapali Shantaram Dargade
Student Name and Sign


Dr. Laxman Sawant
Industry Guide/ Representative Name and Sign


Dr. Amit S. Tapkir
College Guide Name and Sign


Dr. P. D. Chaudhari
Principal Name and Sign


Dr. K. S. Shaikh
Training In-charge Name and Sign




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



2019-2020

P. E. Society's
Modern College of Pharmacy Nigdi-44

Notice

Date: 05/02/2020

All Teaching faculty, Non teaching staff and students of M Pharm/ B. Pharm are hereby informed that, our college has organize industry visit for B. Pharm/ M. Pharm students, the details of visit schedule is as follows


Name of Place : Sava Healthcare Ltd, Block No D1, Plot No.17/6, MIDC, Chinchwad, Pune-411019.


Name of class : M. Pharm/B Pharm

Date of visit: 07/ 02/2020 (Friday)

Time for departure from college: 1 pm

Selected students: list attached



Dr. V V Chopade
Industry visit in-charge


Dr. P. D. Chaudhari
Principal

Copy to

1. Academic section
2. Class teacher
3. Exam section
4. Office
5. Circulation to all faculty
6. Circulation to all students

Principal
P. E. S. Modern College of Pharmacy
Yamunanagar, Sector No.21, Nigdi,
Pune - 411 044.


Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



PES Modern College of Pharmacy, Nigdi. Pune-44

Attendance of students for Industrial visit

Venue: Sava Healthcare Ltd, Block No D1, Plot No.17/6, MIDC, Chinchwad, Pune-411019,

Class: F Y M Pharm QAT

Date: 07/02/2020

Time 01:00 PM onwards

| Sr.no | Roll no | Name of students | signature |
|-------|---------|--------------------------|------------------|
| 1. | QA-101 | AROTE PRATIBHA RAJESH | <i>Arate</i> |
| 2. | QA-102 | CHEDE PRATIKSHA SANJAY | <i>chede</i> |
| 3. | QA-103 | DODAL TEJAL MANGESH | <i>Tejal</i> |
| 4. | QA-104 | GAGARE SHUBHAM SANJAY | <i>Gagare</i> |
| 5. | QA-105 | GAIKWAD ANIRUDDHA A | <i>Aniruddha</i> |
| 6. | QA-106 | GANDLE POOJA ATMARAM | <i>Gandle</i> |
| 7. | QA-107 | JAGTAP AKASH BAPUSAHEB | <i>Jagtap</i> |
| 8. | QA-108 | KHADE SHUBHAM R | <i>Khade</i> |
| 9. | QA-109 | KOLAPE REKHA CHANDRAKANT | <i>Kolape</i> |
| 10. | QA-111 | LOHARKAR HARSHAL SUNIL | <i>Loharkar</i> |
| 11. | QA-112 | MALI SHRADDHA LAVKUMAR | <i>Malik</i> |
| 12. | QA-113 | MANKUSKAR KAMLESH C | <i>Mankuskar</i> |
| 13. | QA-114 | MORE PRATIKKUMAR DEEPAK | <i>More</i> |
| 14. | QA-115 | SATKAR SHRADDHA SUBHASH | <i>Satkar</i> |
| 15. | QA-116 | SHAH PADMAJ KETAN | <i>Shah</i> |

Dr V V Chopade

Dr V V Chopade
Industrial visit incharge



Principal


P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.




P.E.SOCIETY'S
Modern College of Pharmacy, Nigdi. Pune-44

REPORT OF ACTIVITY 2019-20

| | | |
|-----|-------------------------------|---|
| 1. | Name of activity: | Industry visit for B. Pharm/ M Pharm students |
| 2. | Name of industry | Sava Healthcare Ltd, Block No D1, Plot No.17/6, MIDC, Chinchwad, Pune-411019 |
| 3. | Date of activity | 07/02/2020 |
| 4. | Total no students participate | 16+ 1 staff |
| 5. | Occasion of activity | Industry Academic Interaction |
| 6. | Place of visit | Manufacturing, packaging and QC operation |
| 7. | Objectives of activity | <ol style="list-style-type: none">1. To get pharmacy knowledge, planning abilities, problem analysis, modern tool usage, professional identity, pharmaceutical ethics, communication, environment and sustainability, life-long learning.2. To know working procedure of manufacturing unit and QAQC dept of Pharmaceutical industry3. To get importance of accuracy in practical's experiments How to operate equipments in pharma industry. |
| 8. | Training given by | Dr Shrinivas Bhope |
| 9. | Name of faculty with students | Dr. Vitthal V Chopade |
| 10. | Activity co-coordinator | :Dr. Vitthal V Chopade |


Dr V V Chopade
Industry visit Incharge



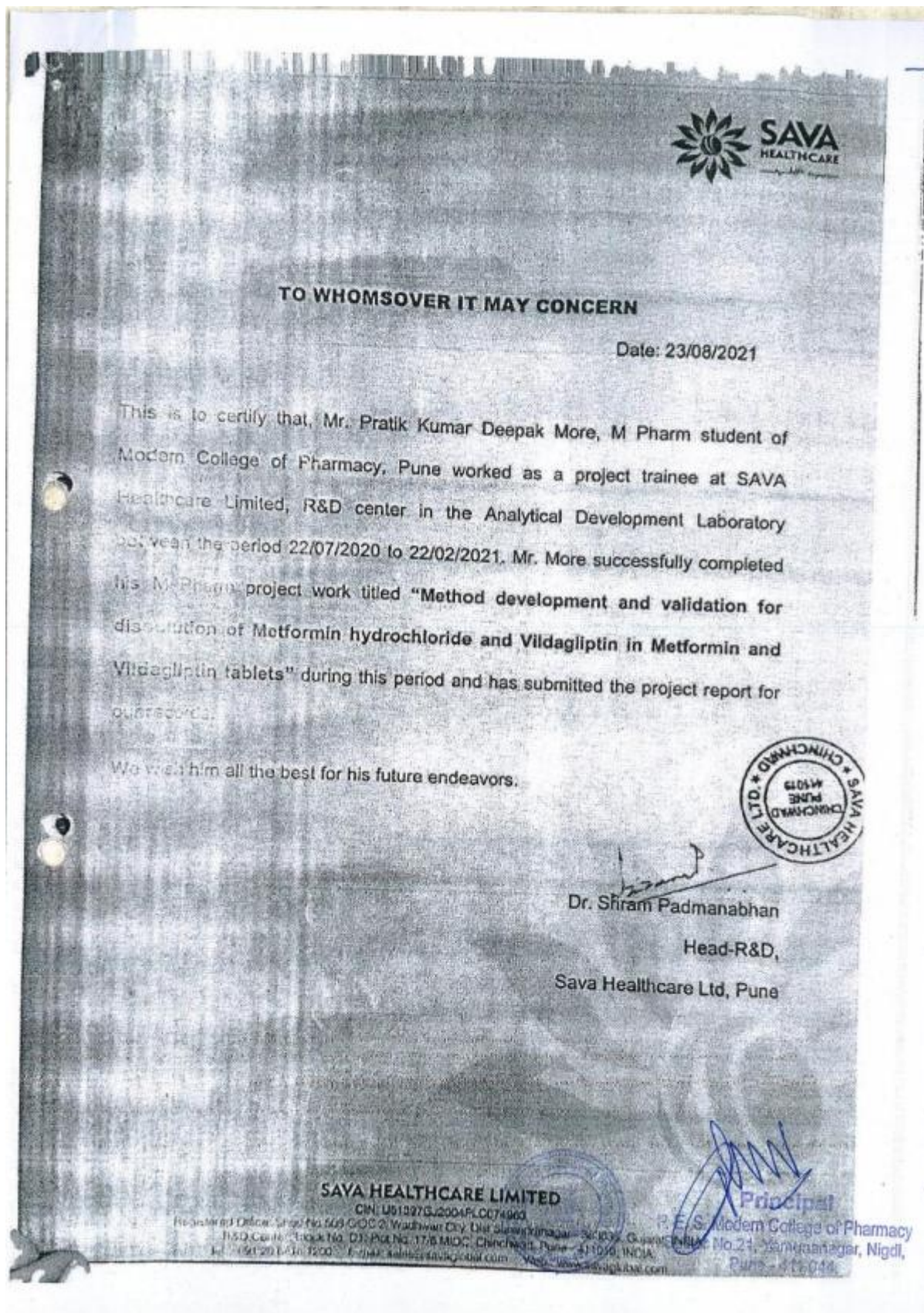

Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



2020-2021





MOU with Dinanath Mangeshkar Hospital and Research Center, Pune

Summary of activities under MOU

| Sr no | Academic Year | Name of faculty | Name of Activity | Name of title | No of beneficiaries | Start Date | End Date |
|-------|---------------------------|-------------------|------------------------|--|---------------------|------------|------------|
| 1. | 2022-2023 | Dr. Rajani Mali | Collaborative research | Study of Onset Time, Risk Factors, and Prescription Pattern in Patients with Stroke. | 4 | 15/12/2022 | 31/05/2023 |
| 2. | 2022-2023 | Dr. Mayuri Kharde | Collaborative research | Assessment of Anti-Microbial agent usage pattern as per the given susceptibility testing report | 4 | 15/12/2022 | 31/05/2023 |
| 3 | 2022-2023 | Dr. Rajani Mali | Collaborative research | To study incidence, cost analysis and drug utilization pattern of anticoagulants in patient with VTE | 4 | 15/12/2022 | 31/05/2023 |
| 4 | 2022-2023 | Dr. Rohini Chavan | Collaborative research | Assessment of drugs dose adjustment in chronic kidney disease patients in tertiary care hospital | 4 | 15/12/2022 | 31/05/2023 |
| 5 | 2022-2023 | Dr. Mayuri Kharde | Collaborative research | To design, develop and validate the screening tool for minimizing prescription error in | 4 | 15/12/2022 | 31/05/2023 |



| | | | | | | | |
|---|-----------|--------------------|------------------------|---|---|------------|------------|
| | | | | neonates. | | | |
| 6 | 2022-2023 | Dr. Sunita Pawar | Collaborative research | Design, development and validation of screening tool for IV medications incompatibility in neonates | 4 | 15/12/2022 | 31/05/2023 |
| 7 | 2022-2023 | Dr. Anjali Kumbhar | Collaborative research | To evaluate the drug utilization and analysis of antiepileptic drugs at tertiary care hospital | 4 | 15/12/2022 | 31/05/2023 |



महाराष्ट्र MAHARASHTRA

© 2017 ©

SK 948231

एक प्रतिष्ठापनासाठी

[illegible]

MEMORANDUM OF UNDERSTANDING

This memorandum of understanding is made on 29th, August, 2017
between

Deenanath Mangeshkar Hospital and Research Centre, Near Mhatre Bridge, Irundawne, Pune, Maharashtra 411004 which is represented by its Principal/Dean/Medical Superintendent/Medical Director/CTO herein named as party one and Progressive Education Society's, Modern College of Pharmacy, Sector-21, Yamunanagar, Nigdi, Pune-44 represented by its Principal/Dean, named as party two.



Principal

S. Modern College of Pharmacy
Sector No 21, Yamunanagar, Haryana
Phone - 911 654



Page 2

The parties hitherto agree as follows:

1. Party one declares that Deenanath Mangeshkar Hospital and Research Centre, Near Mhatre Bridge, Erandawne, Pune, Maharashtra 411004. is a 850 bedded hospital, with a minimum of 120 beds for General Medicine Department.
2. Party one agrees to provide to party two the minimum space necessary of 1200 square feet in the hospital building to establish Pharmacy Practice department for the conduct of Pharm.D program.
3. Party one agrees to provide preceptors required to train the Pharm.D students.
4. Party one agrees that, it will not enter into similar agreement with any other Pharmacy institution/s or department/s offering or intend to offer Pharm.D program.
5. The prospective students will be allowed to undergo training in the following specialty departments
 - Medicine
 - Surgery
 - Pediatrics
 - Gynecology and Obstetrics
 - Psychiatry
 - Skin and VD
 - Orthopedics
6. Party two will provide the academic staff and necessary infrastructure for Pharm. D course as per the PCI norms and takes the overall responsibility for smooth conduct of the programs.
7. This agreement is to be in effect at least for ten years from the time of its endorsement by both the parties. The Hospital will not sign the MOU for sharing of the hospital facilities with any other Pharm D institution till the present agreement / MOU is in effect.
8. The officials representing Deenanath Mangeshkar Hospital and Research Centre, Near Mhatre Bridge, Erandawne, Pune, Maharashtra 411004 and Progressive Education Society's, Modern College of Pharmacy, Sector-21, Yamunanagar, Nigdi, Pune 44 are signing this MOU to achieve the beneficial objectives of Pharm.D program.

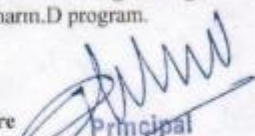
Signature
Hospital authority
with seal


Dr. Dhananjay Kelkar
Medical Director
LMMF, Deenanath Mangeshkar Hospital
& Research Centre
Pune

Date

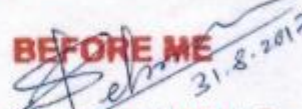


IDENTIFIED BY
R. N. H.

Signature
Principal
with seal

Principal
S. Modern College of Pharmacy
Yamunanagar, Sector No.21, Nigdi,
Pune - 411 044.

Date

31 AUG 2017


BEFORE ME
ADV. SHRIKHAR M. YELMAR
NOTARY GOVT. OF INDIA
CHINCHWAD, PUNE-19.
31 AUG 2017



Progressive Education Society's
MODERN COLLEGE OF PHARMACY

Accredited by NAAC & NBA
DST FIST Funded College

'Best College Award' by Savitribai Phule Pune University

Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently affiliated to
Savitribai Phule Pune University, Pune & Approved under Section (2 (f) & 12 (B) of UGC Act, 1956

Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044. (M.S.) Tel. : 020-27661314 / 15

E-mail : mcopnigdi44@gmail.com Website : www.mcop.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. Gajanan R. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council
P.E.Society, Pune

Ref :

Date :

Summary of Activity done under MOU Year wise

Name of concern Organization: Dinanath Mangeshkar Hospital and Research Center, Pune

Date of MOU: 28/08/2017 to 27/08/2027

Validity Period of MOU: 10 years

| Sr no | Academic Year | Name of faculty | Name of Activity | Name of title | No of beneficiaries | Start Date | End Date |
|-------|---------------|---------------------|------------------------|--|---------------------|------------|------------|
| 1. | 2022-2023 | Dr. Rajani Mali | Collaborative research | Study of Onset Time, Risk Factors, and Prescription Pattern in Patients with Stroke. | 4 | 15/12/2022 | 31/05/2023 |
| 2. | 2022-2023 | Dr. Mayuri Khaparde | Collaborative research | Assessment of Anti-Microbial agent usage pattern as per the given susceptibility testing report | 4 | 15/12/2022 | 31/05/2023 |
| 3 | 2022-2023 | Dr. Rajani Mali | Collaborative research | To study incidence, cost analysis and drug utilization pattern of anticoagulants in patient with VTE | 4 | 15/12/2022 | 31/05/2023 |
| 4 | 2022-2023 | Dr. Rohini Chavan | Collaborative research | Assessment of drugs dose adjustment in chronic kidney disease patients in tertiary care hospital | 4 | 15/12/2022 | 31/05/2023 |

STRIVING TOWARDS EXCELLENCE FOREVER



Progressive Education Society's
MODERN COLLEGE OF PHARMACY

Accredited by NAAC & NBA
DST FIST Funded College

'Best College Award' by Savitribai Phule Pune University



Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently affiliated to
Savitribai Phule Pune University, Pune & Approved under Section (2 (f) & 12 (B) of UGC Act, 1956

Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044. (M.S.) Tel. : 020-27661314 / 15

E-mail : mcpnigdi44@gmail.com Website : www.mcp.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. Gajanan R. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council
P.E.Society, Pune

Ref :

Date :

| | | | | | | | |
|---|-----------|---------------------|------------------------|--|---|------------|------------|
| 5 | 2022-2023 | Dr. Mayuri Khaparde | Collaborative research | To design, develop and validate the screening tool for minimizing prescription error in neonates. | 4 | 15/12/2022 | 31/05/2023 |
| 6 | 2022-2023 | Dr. Sunita Pawar | Collaborative research | Design, development and validation of screening tool for IV medications incompatibility in neonates. | 4 | 15/12/2022 | 31/05/2023 |
| 7 | 2022-2023 | Dr. Anjali Kumbhar | Collaborative research | To evaluate the drug utilization and analysis of antiepileptic drugs at tertiary care hospital | 4 | 15/12/2022 | 31/05/2023 |

Dr. Pravin D. Chaudhari
Principal and Professor



Dr. Dinanath Mungeshkar
Medical Director
Dinanath Mungeshkar Hospital & Research Center, Pune

MoU Incharge

Dinanath Mungeshkar Hospital and Research Center, Pune

STRIVING TOWARDS EXCELLENCE FOREVER

**2022-2023****FIFTH YEAR PHARM D PROJECT DETAILS -2022-23**

| Grp No. | Name of the Students | Title of the Study | Name and Details of the Principal Investigator | Name and Details of the Guides | Department (DMH) for Conducting Study |
|---------|--|---|--|---|---|
| 1. | Ms. Pratiksha Bhoite Mr. Swapnil Ghatule Mr. Atharva Nanday Mr. Sumeet Udawant | Study of Onset Time, Risk Factors, and Prescription Pattern in Patients with Stroke. | Dr. Rahul Kulkarni; M.B.B.S. M.D. (Medicine), D.M. (Neurology), D.N.B. (Neurology), FAAN Department of Neurology, DMHRC | Dr. Rajani Mali Pharm. D. Assistant Professor Department of Doctor of Pharmacy, Modern College of Pharmacy. | Department of Neurology, DMHRC, Pune. |
| 2. | Ms. Aparna Awhad Ms. Divya Hagawane Ms. Muskan Radhampura Mr. Pranav Yelamkar | Assessment of Anti-Microbial agent usage pattern as per the given susceptibility testing report. | Dr. Ashwini Joshi, Consultant, M.B.B.S. D.N.B. (Medicine), CCEBDM D.N.B. (Medicine) Department of General Medicine, DMHRC | Dr. Mayurikhaparde Pharm. D. Assistant Professor Department of Pharmacy Practice, Modern College of Pharmacy. | Department of General Medicine, DMHRC, Pune. |
| 3. | Ms. Rachita Ranasubhe Mr. Sanket Talegaonkar Ms. Saloni Yadav Ms. Jagruti Yempure | To study incidence, cost analysis and drug utilization pattern of anticoagulants in patient with VTE. | Dr. Narendrajavadakar M.B.B.S. M.D. (Medicine), D.N.B. (Medicine), M.A. (Economics) Department of General Medicine, DMHRC | Dr. Rajani Mali Pharm. D. Assistant Professor Department of Pharmacy Practice, Modern College of Pharmacy. | Department of General Medicine, DMHRC, Pune. |
| 4. | Ms. Shweta Kendre Mr. Shiva Kharal Ms. Pranali Mahajan Ms. Shraddha Nachane | Assessment of drugs dose adjustment in chronic kidney disease patients in tertiary care hospital. | Dr. Atul Mulay M.B.B.S. M.D., (Medicine), D.N.B. (Nephrology), M.Sc. (Epidemiology), Department of Nephrology, DMHRC, Pune | Dr. Rohini Chavan Pharm. D. Assistant Professor Department of Pharmacy Practice, Modern College of Pharmacy. | Department of Nephrology, DMHRC, Pune. |
| 5. | Ms. Sukshamta Balure Mr. Satyawant Kumbhar Mr. Akash Mahamuni Ms. Sujata Thokal | To design, develop and validate the screening tool for minimizing prescription error in neonates. | Dr. Shilpa Kalane; M.B.B.S., D.N.B. (Pediatrics), Dr. N.B. (Neonatology), Department of Neonatology, DMHRC, Pune | Dr. Mayurikhaparde Pharm. D. Assistant Professor Department of Pharmacy Practice, Principal | Department of Neonatology, DMHRC, Pune. |



P.E.S. Modern College of Pharmacy
Sector No. 21, Ramnagar, Nigdi,
Pune - 411 044


FIFTH YEAR PHARM D PROJECT DETAILS -2022-23

| | | | | | |
|----|---|--|--|---|---|
| 6. | Ms. VaishravecDeshmukh Mr. Gaurav Memane Ms. VaishnaviPanchariya Mr. VedantPatil | Design, development and validation of screening tool for IV medications incompatibility in neonates. | Dr. ShripaKalane; M.B.B.S., D.N.B (Pediatrics), Dr.N.B. (Neonatology), Department of Neonatology, DMHRC, Pune | Dr. SunitaPawar M. Pharm (Pharmacy Practice), PhD Associate Professor, Head of Department of Pharmacy Practice, Modern College of Pharmacy. | Department of Neonatology, DMHRC, Pune. |
| 7. | Ms. VaishnaviChavan Mr. HarshalJadhav Ms. ParnaliKumbhar Mr. Shubhamshewale | To evaluate the drug utilization and analysis of antiepileptic drugs at tertiary care hospital | Dr. Rahul Kulkarni; M.B.B.S. M.D. (Medicine), D.M. (Neurology), D.N.B (Neurology), FAAN Department of Neurology, DMHRC | Dr. Anjali Kumbhar Pharm. D. Assistant Professor Department of Pharmacy Practice, Modern College of Pharmacy. | Department of Neurology, DMHRC, Pune. |



(Signature)
Principal
P.E.S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



 **INSTITUTIONAL ETHICS COMMITTEE**
For
BIOMEDICAL AND HEALTH RESEARCH
(DHR Reg No- EC/NEW/INST/2021/MH/0026)
DEENANATH MANGESHKAR HOSPITAL & RESEARCH CENTRE
ERANDAWANE, PUNE - 411 004, INDIA. TEL.NO. (91) 020 66023900, 40151000 FAX - (91) 020-25420104.
Email - iec2@dmhospital.org Website - www.dmhospital.org

APPROVAL LETTER

(The Institutional Ethics Committee of Deenanath Mangeshkar Hospital & Research Centre works as per its Work Document and SOPs per provisions of Good Clinical Practices, ICMR Code 2000, Ethical Guidelines for Biomedical Research on Human Participants ICMR 2006 and 2017, Guidelines for Clinical Trials on Pharmaceutical Products in India, CDSCO, GSR 227 (E) New CT rules 2019.)

To
Dr. Rahul Kulkarni
Principal Investigator

Dear Dr. Rahul Kulkarni

Student Name
Ms. Pratiksha Bhoite, Mr Swapnil Ghatule
Mr. Atharva Nanday & Mr.Sumeet Udawant

Guide Name
Dr. Rajani Mali

Ref: your letter dated: - 28/11/2022

The Institutional Ethics Committee reviewed and discussed your application to review the Protocol entitled:-
Study of Onset Time, Risk Factors, and Prescription Pattern in Patients with Stroke.

DMHRC Code- PharmD_2022_Dec_RK_03


The following documents were reviewed:

| Sr. No. | Document Name | Document Details (Version & Date) |
|---------|----------------------|-----------------------------------|
| 1. | Protocol | Version 1 Dated 28 Nov 2022 |
| 2. | English Consent Form | Version 1 Dated 28 Nov 2022 |
| 3. | Marathi Consent Form | Version 1 Dated 28 Nov 2022 |
| 4. | Data Collection Form | Version 1 Dated 28 Nov 2022 |
| 5. | Budget Form | Dated 28 Nov 2022 |

The IEC approves the above documents in the presented form.

The following members of the Institutional Ethics Committee were present at the meeting held on
23rd December 2022 at 2:00 pm. at Deenanath Mangeshkar Hospital and Research Centre.

| Sr No | Name | Qualification | Role |
|-------|--------------------------|---------------------|------------------|
| 1. | Dr. Jitendra. G. Deuskar | M.S. (Gen. Surgery) | Chairperson * |
| 2. | Dr. Pratibha Kulkarni | M.D. (Ob/Gyn) | Co-Chairperson * |


Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



| | | | |
|-----|-----------------------|---|-------------------------|
| 3. | Dr. Sameer Jog | M.D. (Int. Med.) EDIC, IDCCM | Clinician |
| 4. | Dr. Amit Parasnis | MBBS, M.S. DNB, (General Surgery), MNAMS, FICS | Clinician |
| 5. | Dr. Pramod Patil | M.D. (Physiology) | Basic Medical Scientist |
| 6. | Dr. Vanita Patwardhan | Ph.D. (Psychology), M. S. (Psychology), M.Ed, Dip in Yoga Education (Govt. recognized) | Ethicist * |
| 7. | Adv. Pravin Joshi | B.Com, LL.M | Legal Expert * |
| 8. | Mrs. Hemlata Hirve | BA (Sociology) | Lay Person * |
| 9. | Dr. Amrita Prayag | M.BBS, MS (Pharmacology), Master of Science (Pharmacology) | Joint- Member Secretary |
| 10. | Dr. Vaijayanti Pethe | Ph.D.(Biochemistry) | Member Secretary |

* External Member

Please note that the Principal Investigator or other study staff members did not participate in the decision making / voting procedures

The Institutional Ethics Committee expects (i) you to abide by Privacy and Confidentiality, (ii) to be informed about the progress of the study, (iii) to be informed about any SAE occurring in the course of the study, (iv) to be informed about any changes in the protocol and patient information/informed consent and (v) to be provided with a copy of the final report.

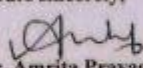
Please be informed that the approval for the protocol starts from the date of this letter and is for duration of one year or for the stipulated duration, whichever is less, unless specified otherwise. In case of approval for any other study related document/s, approval would start from the date of this letter and is effective only till the basic protocol approval remains valid. In case the study is not completed within this time frame, an application should be made for renewing the approval for the study at least two months prior to the end of approval period.


Approval Validity- One year from date of issue of this letter

Study duration as mentioned in protocol – 1 Year

Budget Approved: No Funding Requested

Yours sincerely,


Dr. Amrita Prayag
Joint -Member Secretary, IEC-BMHR, DMH&RC
Deenanath Mangeshkar Hospital & Research Centre.

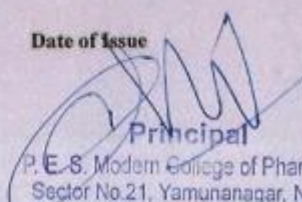

Dr. Vaijayanti Pethe
Member Secretary, IEC-BMHR, DMH&RC
Deenanath Mangeshkar Hospital & Research Centre.



6/1/2023

Date of Issue

Date of Issue


Principal
P.E.S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



INSTITUTIONAL ETHICS COMMITTEE

For

BIOMEDICAL AND HEALTH RESEARCH

(DHRC Reg No- EC/NEW/INST/2021/MH/0026)

DEENANATH MANGESHKAR HOSPITAL & RESEARCH CENTRE

ERANDAWANE, PUNE - 411 004, INDIA. TEL: NO. (91) 020 66023800, 40151000 FAX - (91) 020-25420104

Email - iec2@dmhospital.org Website - www.dmhospital.org

APPROVAL LETTER

(The Institutional Ethics Committee of Deenanath Mangeshkar Hospital & Research Centre works as per its Work Document and SOPs per provisions of Good Clinical Practices, ICMR Code 2000, Ethical Guidelines for Biomedical Research on Human Participants ICMR 2006 and 2017, Guidelines for Clinical Trials on Pharmaceutical Products in India, CDSCO, GSR 227 (E) New CT rules 2019.)

To
Dr. Ashwini Joshi
Principal Investigator

Dear Dr. Ashwini Joshi

Student Name

Miss. Divya Hagawane Miss. Muskan Radhanpura
Miss. Aparna Awhad & Mr. Pranav Yelamkar

Guide Name

Dr. Mayuri Khaparde

Ref: your letter dated: - 28/11/2022

The Institutional Ethics Committee reviewed and discussed your application to review the Protocol entitled:-
Assessment of Anti-Microbial agent usage pattern as per the given susceptibility testing report

DMHRC Code- PharmD_2022_Dec_AJ_02

The following documents were reviewed:

| Sr. No. | Document Name | Document Details (Version & Date) |
|---------|----------------------|-----------------------------------|
| 1. | Protocol | Version 1 Dated 28 Nov 2022 |
| 2. | Budget Form | Dated 28 Nov 2022 |
| 3. | Data Collection Form | Version 1 Dated 28 Nov 2022 |
| 4. | Waiver of Consent | Dated 28 Nov 2022 |

The IEC approves the above documents in the presented form.

The following members of the Institutional Ethics Committee were present at the meeting held on
23rd December 2022 at 2:00 pm. at Deenanath Mangeshkar Hospital and Research Centre.

| Sr No | Name | Qualification | Role |
|-------|--------------------------|---------------------|------------------|
| 1. | Dr. Jitendra. G. Deuskar | M.S. (Gen. Surgery) | Chairperson * |
| 2. | Dr. Pratibha Kulkarni | M.D. (Ob/Gyn) | Co-Chairperson * |



Principal
P. E. S. Modern College of Pharmacy
Sector No. 21, Yamunanagar, Nigdi,
Pune - 411 044.



INSTITUTIONAL ETHICS COMMITTEE
For
BIOMEDICAL AND HEALTH RESEARCH
(DHR Reg No- EC/NEW/INST/2021/MH/0026)
DEENANATH MANGESHKAR HOSPITAL & RESEARCH CENTRE
ERANDAWANE, PUNE - 411 004, INDIA. TEL.NO. (91) 020 66023000, 40151000 FAX - (91) 020-25420104
Email - iec2@dmhospital.org Website - www.dmhospital.org

APPROVAL LETTER

(The Institutional Ethics Committee of Deenanath Mangeshkar Hospital & Research Centre works as per its Work Document and SOPs per provisions of Good Clinical Practices, ICMR Code 2000, Ethical Guidelines for Biomedical Research on Human Participants ICMR 2006 and 2017, Guidelines for Clinical Trials on Pharmaceutical Products in India, CDSCO, GSR 227 (E) New CT rules 2019.)

To
Dr. Shilpa Kalane
Principal Investigator

Dear Dr. Shilpa Kalane

Student Name
Mr. Satywan Kumbhar, Mr. Akash Mahamuni
Miss. Sujata Thokal & Miss. Sukshamta Balure

Guide Name
Dr. Mayuri Khaparde

Ref: your letter dated: - 28/11/2022

The Institutional Ethics Committee reviewed and discussed your application to review the Protocol entitled:-
To design, develop and validate of screening tool for minimizing Prescription error in neonates.

DMHRC Code- PharmD_2022_Dec_SK_04

The following documents were reviewed:

| Sr. No. | Document Name | Document Details (Version & Date) |
|---------|----------------------|-----------------------------------|
| 1. | Protocol | Version 1 Dated 28 Nov 2022 |
| 2. | Budget Form | Dated 28 Nov 2022 |
| 3. | Data Collection Form | Version 1 Dated 28 Nov 2022 |
| 4. | Waiver of Consent | Dated 28 Nov 2022 |


The IEC approves the above documents in the presented form.

The following members of the Institutional Ethics Committee were present at the meeting held on
23rd December 2022 at 2:00 pm. at Deenanath Mangeshkar Hospital and Research Centre.

| Sr No | Name | Qualification | Role |
|-------|--------------------------|---------------------|-------------------|
| 1. | Dr. Jitendra. G. Deuskar | M.S. (Gen. Surgery) | Chairperson * |
| 2. | Dr. Pratibha Kulkarni | M.D. (Ob/Gyn) | Co- Chairperson * |

Principal
P. E. S. Modern College of Pharmacy
Sector No 21, Yamunanagar, Nigdi,
Pune - 411 044.



 **INSTITUTIONAL ETHICS COMMITTEE**
For
BIOMEDICAL AND HEALTH RESEARCH
(DHR Reg No- EC/NEW/INST/2021/MH/0026)
DEENANATH MANGESHKAR HOSPITAL & RESEARCH CENTRE
ERANDAWANE, PUNE - 411 004, INDIA. TEL. NO. (91) 020 66023000, 40151000 FAX - (91) 020-25420104
Email - iec2@dmhospital.org Website - www.dmhospital.org

APPROVAL LETTER

(The Institutional Ethics Committee of Deenanath Mangeshkar Hospital & Research Centre works as per its Work Document and SOPs per provisions of Good Clinical Practices, ICMR Code 2000, Ethical Guidelines for Biomedical Research on Human Participants ICMR 2006 and 2017, Guidelines for Clinical Trials on Pharmaceutical Products in India, CDSCO, GSR 227 (13) New CT rules 2019.)

To
Dr. Shilpa Kalane
Principal Investigator

Dear Dr. Shilpa Kalane

Student Name
Miss. Vaishnavi Deshmukh, Mr. Gaurav Memane
Miss. Vaishnavi Panchariya & Mr. Vedant Patil

Guide Name
Dr. Sunita Pawar

Ref: your letter dated: - 28/11/2022

The Institutional Ethics Committee reviewed and discussed your application to review the Protocol entitled:-
Design, development and validation of Screening tool for IV medications incompatibility in neonates.

DMHRC Code- PharmD_2022_Dec_SK_05


The following documents were reviewed:

| Sr. No. | Document Name | Document Details (Version & Date) |
|---------|----------------------|-----------------------------------|
| 1. | Protocol | Version 1 Dated 28 Nov 2022 |
| 2. | Budget Form | Dated 28 Nov 2022 |
| 3. | Patient Profile Form | Version 1 Dated 28 Nov 2022 |
| 4. | Waiver of Consent | Dated 28 Nov 2022 |

The IEC approves the above documents in the presented form.

The following members of the Institutional Ethics Committee were present at the meeting held on
23rd December 2022 at 2:00 pm. at Deenanath Mangeshkar Hospital and Research Centre.

| Sr No | Name | Qualification | Role |
|-------|--------------------------|---------------------|------------------|
| 1. | Dr. Jitendra. G. Deuskar | M.S. (Gen. Surgery) | Chairperson * |
| 2. | Dr. Pratibha Kulkarni | M.D. (Ob/Gyn) | Co-Chairperson * |


Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



INSTITUTIONAL ETHICS COMMITTEE
For
BIOMEDICAL AND HEALTH RESEARCH
(DHR Reg No- EC/NEW/INST/2021/MH/0026)
DEENANATH MANGESHKAR HOSPITAL & RESEARCH CENTRE
ERANDAWANE, PUNE - 411 004, INDIA. TEL.NO. (91) 920 66023000, 40151000 FAX - (91) 920-25420104
Email - iec2@dmhospital.org Website - www.dmhospital.org

APPROVAL LETTER

(The Institutional Ethics Committee of Deenanath Mangeshkar Hospital & Research Centre works as per its Work Document and SOPs per provisions of Good Clinical Practices, ICMR Code 2000, Ethical Guidelines for Biomedical Research on Human Participants ICMR 2009 and 2017, Guidelines for Clinical Trials on Pharmaceutical Products in India, CDSCO, GSR 227 (E) New CT rules 2019.)

To
Dr. Rahul Kulkarni
Principal Investigator

Dear Dr. Rahul Kulkarni

Student Name
Miss. Pranali Kumbhar, Mr. Harshal Jadhav,
Miss Vaishnavi Chavan & Mr. Shubham Shewale

Guide Name
Dr. Anjali Kumbhar

Ref: your letter dated: - 28/11/2022

The Institutional Ethics Committee reviewed and discussed your application to review the Protocol entitled:- **To evaluate the drug utilization and analysis of Anti-epileptic drugs at tertiary Care hospital.**

DMHRC Code- PharmD_2022_Dec_RK_07

The following documents were reviewed:

| Sr. No. | Document Name | Document Details (Version & Date) |
|---------|-----------------|-----------------------------------|
| 1. | Protocol | Version 1 Dated 28 Nov 2022 |
| 2. | English Assent | Version 1 Dated 28 Nov 2022 |
| 3. | Marathi Assent | Version 1 Dated 28 Nov 2022 |
| 4. | English Consent | Version 1 Dated 28 Nov 2022 |
| 5. | Marathi Consent | Version 1 Dated 28 Nov 2022 |



Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



**"STUDY OF ONSET TIME, RISK FACTORS, AND PRESCRIPTION
PATTERN IN PATIENTS WITH STROKE"**

Thesis submitted in the partial fulfillment for the degree of
Pharm. D
(DOCTOR OF PHARMACY)

In the Faculty of Pharmaceutical Sciences
SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



Guided by
Dr. Rajani B. Mali

Co-guided by
Dr. Rahul V. Kulkarni

Submitted by

Ms. Pratiksha S. Bhoite
Mr. Atharva P. Nanday

Mr. Swapnil P. Ghatule
Mr. Sumeet B. Udawant



PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF PHARMACY,
NIGDI, PUNE (2021-22)
(ACCREDITED BY NAAC)



Principal

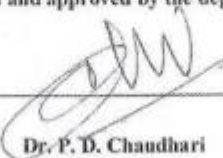
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.





**"STUDY OF ONSET TIME, RISK FACTORS, AND PRESCRIPTION
PATTERN IN PATIENTS WITH STROKE"**


LETTER OF APPROVAL


The topic has been discussed and approved by the departmental faculty members.



Dr. P. D. Chaudhari
Principal,
Professor and Head,
Pharm. D. Programme



Dr. S. B. Pawar
Head & Associate Professor
Department of Clinical Pharmacy


Dr. A. R. Kumbhar
Assistant Professor,
Department of Clinical Pharmacy


Dr. R. P. Chavan
Assistant Professor,
Department of Clinical Pharmacy


Dr. R. B. Mali
Assistant Professor,
Department of Clinical Pharmacy


Dr. M. S. Khaparde
Assistant Professor,
Department of Clinical Pharmacy,


Mr. S. R. Savadekar
Assistant Professor
Department of Clinical Pharmacy




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Dr. R. B. Mali,
Assistant Professor
P.E.S. Modern College of Pharmacy Nigdi,
Pune-44.



PES's MODERN COLLEGE OF PHARMACY, NIGDI,
PUNE- 44

(ACCREDITED BY NBA & NAAC)


CERTIFICATE BY THE GUIDE

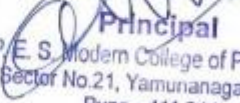
This is to certify that the research work presented in this thesis entitled "Study of Onset Time, Risk Factors, and Prescription Pattern in Patients with Stroke" submitted for degree of Doctor of Pharmacy, is the record of research work carried out by Ms. Pratiksha S. Bhoite, Mr. Swapnil P. Ghatule, Mr. Atharva P. Nanday, and Mr. Sumeet B. Udawant under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 09/06/2023

Place: MCOP, Nigdi




Dr. R. B. Mali
(Pharm. D)
Assistant Professor,
Research Guide


Principal
P.E.S. Modern College of Pharmacy
Sector No 21, Yamunanagar, Nigdi,
Pune - 411 044.



PES's MODERN COLLEGE OF PHARMACY, NIGDI, PUNE-44
(ACCREDITED BY NBA & NAAC)

Dr. P. D. Chaudhari
Principal,
P.E.S. Modern College of Pharmacy,
Yamunanagar, Nigdi, Pune- 44.
Ex-Dean, Faculty of Pharmaceutical Sciences,
Savitribai Phule Pune University, Pune.

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the research presented in this thesis entitled, "Study of Onset Time, Risk Factors, and Prescription Pattern in Patients with Stroke" for Doctor of Pharmacy is a record of bonafide research work carried out by Ms. Pratiksha S. Bhoite, Mr. Swapnil P. Ghatule, Mr. Atharva P. Nanday, and Mr. Sumeet B. Udawant under the guidance of Dr. R. B. Mali at P.E.S. Modern College of Pharmacy, Nigdi, Pune 44 during the academic year 2022-2023.

Date: 09/06/2023
Place: MCOP, Nigdi



[Signature]
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

[Signature]
Dr. P. D. Chaudhari
Principal
P. E. Society's
Modern College of Pharmacy,
Yamunanagar Sector No.21
Nigdi, Pune-411 044



Dr. R. V. Kulkarni,

MBBS M.D. (Medicine),
D.M. (Neurology), D.N.B. (Neurology),
Honorary Consultant, Department of Neurology
Deenanath Mangeshkar Hospital and Research Center Pune



MODERN COLLEGE OF PHARMACY NIGDI, PUNE-44
(ACCREDITED BY NBA & NAAC)

CERTIFICATE BY CO- GUIDE

This is to certify that the thesis entitled "Study of Onset Time, Risk Factors, and Prescription Pattern in Patients with Stroke" submitted for degree of Doctor of Pharmacy, is the record of research work carried out by, Ms. Pratiksha S. Bhoite, Mr. Swapnil P. Ghatule, Mr. Atharva P. Nanday, and Mr. Sumeet B. Udawant under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 09/06/2023

Place: DMHRC, Pune



Dr. R. V. Kulkarni
[MBBS, MD D.N.B.
(Neurology)]

Honorary Consultant,
Prescribed Co-Guide

P. E. S. Modern College of Pharmacy
Sector No. 21, Yamunanagar, Nigdi,
M.D. Pune-411044, N.B. (Neurology)

Reg. No.- 072903



PES's MODERN COLLEGE OF PHARMACY, NIGDI, PUNE-44
(ACCREDITED BY NBA & NAAC)

Dr. S. B. Pawar
Associate Professor.
Head of the Department of Clinical
Pharmacy
P.E.S. Modern College of Pharmacy,
Yamunanagar, Nigdi, Pune- 44.

ENDORSEMENT BY THE HEAD OF THE DEPARTMENT

This is to certify that the research presented in this thesis entitled, "Study of Onset Time, Risk Factors, and Prescription Pattern in Patients with Stroke" for Doctor of Pharmacy is a record of bonafide research work carried out by Ms. Pratiksha S. Bhoite, Mr. Swapnil P. Ghatule, Mr. Atharva P. Nanday, and Mr. Sumeet B. Udawant under the guidance of Dr. R. B. Mali at P.E.S. Modern College of Pharmacy, Nigdi, Pune 44 during the academic year 2022-2023.

Date: 09/06/2023,

Place: MCOP, Nigdi



Dr. S. B. Pawar
Associate Professor
HOD of Clinical Pharmacy


Principal
P. E. S. Modern College of Pharmacy
Sector No 21, Yamunanagar, Nigdi,
Pune - 411 044.



SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION BY THE CANDIDATES

This is to state that the research work entitled "*STUDY OF ONSET TIME, RISK FACTORS, AND PRESCRIPTION PATTERN IN PATIENTS WITH STROKE*" for the degree of Pharm. D has not been submitted in parts or full to any other university by us. This is original work undertaken by us under the guidance of **Dr. R. B. Mali**, Assistant Professor, PES's Modern College of Pharmacy, Pune. Such materials as obtained from the other sources have been duly acknowledged in the thesis.

Date: 09/06/2023
Place: MCOP, Nigdi

Ms. Pratiksha S. Bhoite

Mr. Swapnil P. Ghatule

Mr. Atharva P. Nanday



Mr. Sumet B. Udawant
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



**"Assessment of Anti-Microbial Agent Usage Pattern as Per
the Given Susceptibility Testing Report"**

Thesis submitted in the partial fulfillment for the degree of
Pharm. D
(DOCTOR OF PHARMACY)

In the faculty of pharmaceutical sciences
SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



Guided by
Dr. Mayuri Khaparde

Co-guided by
Dr. Ashwini Joshi

Submitted by

Ms. Divya Hagawane
Ms. Aparna Awhad

Ms. Muskan Radhanpura
Mr. Pranav Yelamkar



**PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF PHARMACY,
NIGDI, PUNE (2022-23)**
(ACCREDITED BY NAAC)



Principal
P. E. S. Modern College of Pharmacy
Sector No. 21, Yamunanagar, Nigdi,
Pune - 411 044.



PES's MODERN COLLEGE OF PHARMACY, NIGDI, PUNE- 44

(ACCREDITED BY NBA & NAAC)

CERTIFICATE BY THE GUIDE

This is to certify that the research work presented in this thesis entitled "Assessment of Anti-Microbial agent usage pattern as per the given susceptibility testing report" submitted for degree of Doctor of Pharmacy, is the record of research work carried out by Ms. Divya Hagawane, Miss Muskan Radhanpura, Miss Aparna Awhad and Mr. Pranav Yelamkar under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Dr. Mayuri Khaparde

(Pharm. D)
Assistant Professor
Project Guide

Date: 9/6/2023

Place: Nigdi



Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION BY THE CANDIDATES


This is to state that the research work entitled "*Assessment of Anti-Microbial agent usage pattern as per the given susceptibility testing report*" for the degree of Pharm. D has not been submitted in parts or full to any other university by us. This is original work undertaken by us under the guidance of Dr Mayuri Khaparde, Assistant Professor, PES's Modern College of Pharmacy, and Pune. Such materials as obtained from the other sources have been duly acknowledged in the thesis.

Date: 9/6/2023
Place: Pune


Ms. Divya Hagawane


Ms. Muskan Radhanpura


Ms. Aparna Awbad


Mr. Pranav Yelamkar




Principal
P.E.S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



"To Study Incidence, Cost Analysis and Drug Utilization Pattern of Anticoagulants in Patients with VTE"

Thesis submitted for the partial fulfilment of the degree of
Pharm D
(DOCTOR OF PHARMACY)

In the Department of Clinical Pharmacy
SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



Guided By
Dr. Rajani Mali

Co-Guided By
Dr. Narendra Javadekar

Submitted By

Ms. Rachita Sanjeev Ranasubhe
Ms. Saloni Anirudha Yadav

Mr. Sanket Prashant Talegaonkar
Ms. Jagruti Umesh Yenpure



PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF
PHARMACY,

NIGDI, PUNE (2022-23)

ACCREDITED BY NAAC

Principal

P.E.S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

"To Study Incidence, Cost Analysis and Drug Utilization Pattern of Anticoagulants in Patients with VTE"




PES's MODERN COLLEGE OF PHARMACY, NIGDI, PUNE- 44
(ACCREDITED BY NBA & NAAC)


CERTIFICATE BY THE GUIDE

This is to certify that the research work presented in this thesis entitled ***"TO STUDY INCIDENCE, COST ANALYSIS AND DRUG UTILIZATION PATTERN OF ANTICOAGULANTS IN PATIENTS WITH VTE"*** submitted for degree of Doctor of Pharmacy, is the record of research work carried out by **Ms. Rachita Sanjeev Ranasubhe, Mr. Sanket Prashant Talegaonkar, Ms. Saloni Anirudha Yadav and Ms. Jagruti Umesh Yenpure** under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 09/06/2023
Place: Nigdi, Pune.


Dr. Rajani B. Mali
Assistant Professor
Research Guide




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yemunanagar, Nigdi,
Pune - 411 044.

"To Study Incidence, Cost Analysis and Drug Utilization Pattern of Anticoagulants in Patients with VTE"

SAVITRIBAI PHULE PUNE UNIVERSITY

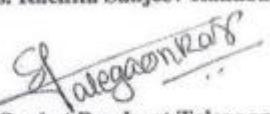
DECLARATION BY THE CANDIDATES

This is to state that the research work entitled *"TO STUDY INCIDENCE, COST ANALYSIS AND DRUG UTILIZATION PATTERN OF ANTICOAGULANTS IN PATIENTS WITH VTE"* for the degree of Pharm. D has not been submitted in parts or full to any other university by us. This is original work undertaken by us under the guidance of **Dr. Rajani Mali**, Assistant Professor, PES's Modern College of Pharmacy, Pune and co- guide **Dr. Narendra Javadekar**, MBBS M. D. (MED), D.N.B. (MED), M.A. (ECONOMICS) (DMHRC - PI). Such materials as obtained from the other sources have been duly acknowledged in the thesis.

Date: 09/06/2023


Place: Nigdi, Pune.


Ms. Rachita Sanjeev Ranasubhe


Mr. Sanket Prashant Talegaonkar


Ms. Saloni Anirudha Yadav




Ms. Jagruti Umesh Yenpure
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

"To Study Incidence, Cost Analysis and Drug Utilization Pattern of Anticoagulants in Patients with VTE"



"Assessment Of Drugs Dose Adjustment In Chronic Kidney Disease Patients In Tertiary Care Hospital"

**Thesis Submitted In The Partial Fulfilment For The Degree Of
Pharm D
(DOCTOR OF PHARMACY)**

**In the faculty of pharmaceutical sciences
SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE**



**Guided by:
Dr. Rohini Chavan
(Assistant Professor)**

**Co-guided by:
Dr. Atul Mulay
M.D., D.N.B., M. Sc.**

Submitted by:

**Miss. Shweta R. Kendre
Miss. Pranali S. Mahajan**

**Mr. Shiva L. Khanal
Miss. Shraddha J. Nachane**



PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF PHARMACY,



**NIGDI, PUNE (2022-23)
(ACCREDITED BY NAAC)**

**Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044**

"Assessment of drug dose adjustment in chronic kidney disease patients in tertiary care hospital"



PES's MODERN COLLEGE OF PHARMACY, NIGDI, PUNE-44

(ACCREDITED BY NBA & NAAC)

CERTIFICATE BY THE GUIDE

This is to certify that the research work presented in this thesis entitled "Assessment Of Drugs Dose Adjustment In Chronic Kidney Disease Patients In Tertiary Care Hospital" submitted for degree of **Doctor of Pharmacy**, is the record of research work carried out by **Miss. Shweta R. Kendre, Mr. Shiva L. Khanal, Miss. Pranali S. Mahajan and Miss. Shraddha J. Nachane** under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 09/08/2023

Place: Nigdi


Dr. Rohini Chavan

(Pharm D)
Assistant Professor
Project Guide




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

"Assessment of drug dose adjustment in chronic kidney disease patients in tertiary care hospital"



SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION BY THE CANDIDATES

This is to state that the research work entitled "*Assessment Of Drugs Dose Adjustment In Chronic Kidney Disease Patients In Tertiary Care Hospital*" the degree of Pharm.D has not been submitted in parts or full to any other university by us. This is original work undertaken by us under the guidance of **Dr. Rohini Chavan**, Assistant Professor, PES's Modern College of Pharmacy, Pune. Such materials as obtained from the other sources have been duly acknowledged in the thesis.

Date: 09/06/2023
Place: Pune

(Kendre R.)

Miss. Shweta R. Kendre

(Shiva L.)

Mr. Shiva L. Khanal

(Pranali S.)

Miss. Pranali S. Mahajan

(Shraddha J.)

Miss. Shraddha J. Nachane



(Principal)
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

"Assessment of drug dose adjustment in chronic kidney disease patients in tertiary care hospital"



**"TO DESIGN, DEVELOP AND VALIDATE THE SCREENING TOOL FOR MINIMIZING
PRESCRIPTION ERROR IN NEONATES"**

**Thesis submitted in the partial fulfillment for the degree of
Pharm. D
(DOCTOR OF PHARMACY)**

**In the Faculty of Pharmaceutical Sciences
SAVITRIBAI PHULE PUNE UNIVERSITY,
PUNE**



Guided by

Dr. Mayuri S. Khaparde

Co-guided by

Dr. Shilpa Kalane

Submitted by

Mr. Satywan Rajendra Kumbhar

Mr. Akash Rajesh Mahamuni

Ms. Sujata Hanumant Thokal

Ms. Sukshamta Digambar Balure



[Signature]
Principal
P. E. S. Modern College of Pharmacy
Sector No 21, Yamunanagar, Nigdi,
Pune - 411 044.

**PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF PHARMACY,
NIGDI, PUNE (2022-23)
(ACCREDITED BY NBA & NAAC)**

To design, develop and validate the screening tool for minimizing prescription errors in neonates



PES's MODERN COLLEGE OF PHARMACY, NIGDI, PUNE-44

(ACCREDITED BY NBA & NAAC)

CERTIFICATE BY THE GUIDE

This is to certify that the research work presented in this thesis entitled "To design , develop and validate the Screening tool for minimizing prescription error in neonates " submitted for degree of Doctor of Pharmacy, is the record of research work carried out by Mr. Satywan Rajendra Kumbhar, Mr. Akash Rajesh Mahamuni, Ms. Sujata Hanumant Thokal, Ms. Sukshamta Digambar Balure under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 09/06/2023

Place: Nigdi

Dr. Mayuri. S. Khaparde

(Pharm . D)

Research Guide



Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

To design, develop and validate the screening tool for minimizing prescription errors in neonates

SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION BY THE CANDIDATES

This is to state that the research work entitled *"TO DESIGN, DEVELOP AND VALIDATE THE SCREENING TOOL FOR MINIMIZING PRESCRIPTION ERROR IN NEONATES"* for the degree of PharmD has not been submitted in parts or full to any other university by us. This is original work undertaken by us under the guidance of Dr. Mayuri S. Khaparde, Assistant Professor, PES's Modern College of Pharmacy, Pune. Such materials as obtained from the other sources have been duly acknowledged in the thesis.

Date: 09/06/2023

Place: Pune

38
Mr. Satywan R. Kumbhar

Mr. Akash R. Mahamuni

Ms. Sujata H. Thokal

Ms. Sukshanta D. Balare



Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

To design, develop and validate the screening tool for minimizing prescription errors in neonates



**"DESIGN, DEVELOPMENT AND VALIDATION OF SCREENING TOOL FOR
IV MEDICATIONS INCOMPATIBILITY IN NEONATES"**

*Thesis submitted in the partial fulfillment for the degree of
Pharm. D*

(DOCTOR OF PHARMACY)

In the faculty of Pharmaceutical Science

SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



Guided by
Dr. S. R. Pawar

Co-guided by
Dr. Shilpa Kalane

Submitted by

**Ms. Vaishnavce Deshmukh
Ms. Vaishnavi Pauchariya**

**Mr. Gaurav Meneane
Mr. Vedant Patil**



**PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF
PHARMACY,
NIGDI, PUNE (2022-23)
(ACCREDITED BY NAAC)**



Principal

*Design, development and validation screening tool for IV medications incompatibility in neonates
**P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.**




PES's MODERN COLLEGE OF PHARMACY, NIGDI, PUNE- 44
(ACCREDITED BY NBA & NAAC)

CERTIFICATE BY THE GUIDE

This is to certify that the research work presented in this thesis entitled "*Design, Development and Validation of Screening Tool for IV medications incompatibility in Neonates*" submitted for degree of Doctor of Pharmacy, is the record of research work carried out by Miss. Vaishnavee Deshmukh, Mr. Ganrav Memane, Miss. Vaishnavi Panchariya, and Mr. Vedant Patil under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 03/06/2023
Place: Nigdi


Dr. S. B. Pawar
(Head & Associate Professor
Department of Clinical Pharmacy)
Research Guide



Principal

"Design, development and validation of screening tool for IV medications incompatibility in neonates"
P.E.S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi
Pune - 411 044.



SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION BY THE CANDIDATES

This is to state that the research work entitled "Design, Development and Validation of Screening Tool for IV Medications Incompatibility in Neonates" for the degree of Pharm. D has not been submitted in parts or full to any other university by us. This is original work undertaken by us under the guidance of Dr. S. B. Pawar, Head & Associate Professor, Department of Pharm D, PES's Modern College of Pharmacy, Pune and co-guide Dr. Shilpa Kalane, MBBS D.N.B (PAED), Dr. N. B. (NEONATOLOGY) (DMHRC-PI). Such materials, as obtained from the other sources, have been duly acknowledged in the thesis.

Date: 09/06/2023
Place: Pune

Miss. Vaishnavi Deshmukh

Mr. Gaurav Memane

Miss. Vaishnavi Panchariya

Mr. Vedant Patil



Principal

P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

"Design, development and validation of screening tool for IV medications incompatibility in neonates"



**"TO EVALUATE THE DRUG UTILIZATION AND ANALYSIS OF
ANTI-EPILEPTIC DRUG AT TERTIARY CARE HOSPITAL"**

Thesis submitted in the partial fulfillment for the degree of
Pharm. D
(DOCTOR OF PHARMACY)

In the faculty of pharmaceutical sciences
SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



Guided by

Dr. Anjali Kumbhar

Co-guided by

Dr. Rahul Kulkarni

Submitted by

Miss. Pranali Anil Kumbhar

Miss. Vaishnavi Vajjnath Chavan

Mr. Harshal Nandu Jadhav

Mr. Shubham Vitthal Shewale



PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF PHARMACY,
NIGDI, PUNE (2022-23)

(ACCREDITED BY NAAC)



Principal

P. E. S. Modern College of Pharmacy
Sector No 21, Yamunanagar, Nigdi,

"To evaluate the drug utilization and analysis of anti-epileptic drugs at P. E. S. Modern College of Pharmacy, Nigdi, Pune 411044"




PES's MODERN COLLEGE OF PHARMACY, NIGDI, PUNE- 44

(ACCREDITED BY NBA & NAAC)


CERTIFICATE BY THE GUIDE

This is to certify that the research work presented in this thesis entitled "To evaluate the drug utilization and analysis of Anti-epileptic drugs at tertiary care hospital" submitted for degree of **Doctor of Pharmacy**, is the record of research work carried out by Miss. Pranali A Kumbhar, Mr. Harshal N Jadhav, Miss. Vaishnavi V Chavan, Mr. Shubham V Shewale under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 09/06/2023
Place: Nigdi, Pune.


Dr. Anjali Kumbhar
(Assistant professor)
Research Guide




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

"To evaluate the drug utilization and analysis of anti-epileptic drugs at tertiary care hospital"

SAVITRIBAI PHULE PUNE UNIVERSITY

DECLARATION BY THE CANDIDATES

This is to state that the research work entitled "To evaluate the drug utilization and analysis of anti-epileptic drugs at tertiary care hospital" for the degree of Pharm. D has not been submitted in parts or full to any other university by us. This is original work undertaken by us under the guidance of **Dr. Anjali Kumbhar**, Assistant Professor, PES's Modern College of Pharmacy, Pune. Such materials as obtained from the other sources have been duly acknowledged in the thesis.

Date: 09/06/2023
Place: Pune

Miss. Pranali Anil Kumbhar

Mr. Harshal Nandu Jadhav

Miss. Vaishnavi Vaijnath Chavan

Mr. Shubham Vitthal Shewale



Principal

P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

"To evaluate the drug utilization and analysis of anti-epileptic drugs at tertiary care hospital"



[Signature]
Principal
P. E. S. Modern College of Pharmacy
Sector No. 21, Yamunanagar, Nigdi,
Pune - 411 044.



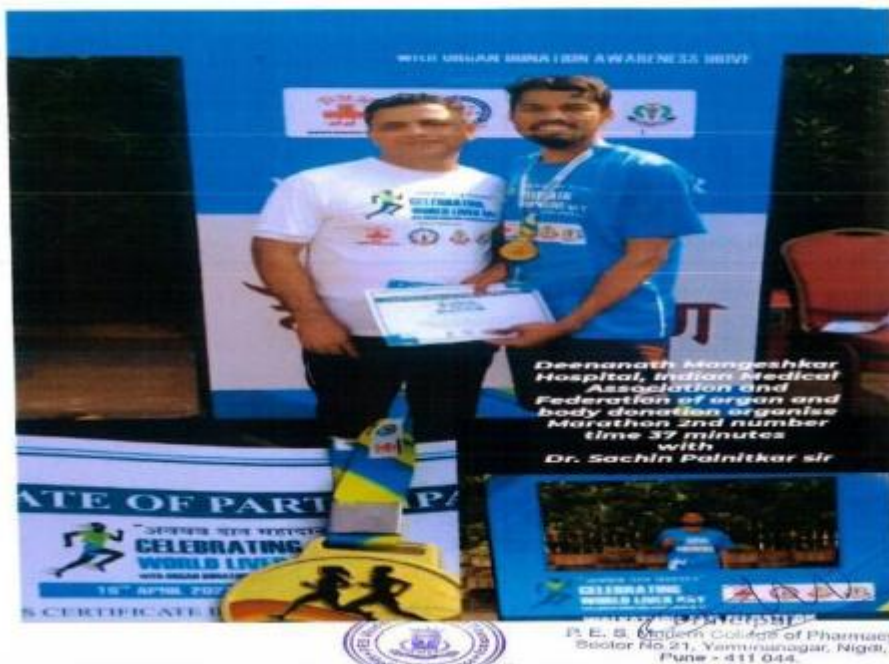
[Signature]
Principal
P. E. S. Modern College of Pharmacy
Sector No. 21, Yamunanagar, Nigdi,
Pune - 411 044.



[Signature]
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yashwananagar, Nigdi,
Pune - 411 044.



[Signature]
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yashwananagar, Nigdi,
Pune - 411 044.





MOU with Elite Pharma Skills, Chinchwad, Pune

Summary of activities under MOU

| Sr no | Academic Year | Name of Activity | No of beneficiaries | Start Date | End Date |
|-------|---------------------------|---------------------------|---------------------|------------|------------|
| 1 | 2019-2020 | National level Conference | 150 | 06/03/2020 | 06/03/2020 |



ELITE INSTITUTE OF PHARMA SKILLS

Office No. 12, Shevle Complex, Opp. Elpro Main Gate,
HDFC Bank Chowk, Behind Annapurna Restaurant, Chinchwad, Geon,
Chinchwad, Pune - 411 033, Maharashtra, INDIA.
MOB : +91- 102 804 2239/40 | WEBSITE : www.elite-pharmaskills.com
info@elite-pharmaskills.com | regulatory@elite-pharmaskills.com

11 (1)

Date: 07/07/2016

Memorandum of Understanding

This is the memorandum of understanding between Elite Institute of Pharma Skills, full address Office No. 12, Shevle complex, Opp. Elpro Main Gate, HDFC Bank Chowk, Behind Annapurna Restaurant, Chinchwad, Pune-411033(hereinafter referred to as Elite) and P.E Society's Modern College of Pharmacy, Sector 21, Yamunanagar, Nigdi, Pune-411044 (hereinafter referred to as Modern).

Whereas Elite is involved in promoting awareness about Pharmacovigilance and related guidelines in India and conducting courses in the field of Pharmacovigilance and Clinical Research for students and professionals for creating a human resource who will be involved in the field of Pharmacovigilance and Clinical Research

Whereas Modern is involved in imparting education to students in the field of pharmaceutical sciences leading to Bachelor, Master or Doctoral degree in pharmaceutical sciences.

1. Objective

Elite and Modern will jointly conduct Certification courses in Pharmacovigilance and Clinical Research leading to proficiency in regulatory guidelines and various related software.

2. Responsibilities

2.1 Elite

- 2.1.1 Elite will provide Resource persons for covering the course content.
- 2.1.2 Elite will conduct Classroom training or training through any other mode.
- 2.1.3 Elite will provide learning resources as needed.
- 2.1.4 Elite will evaluate the course participants for proficiency in course content.

2.2 Modern

- 2.2.1 The faculty of Modern will be involved in Design of course content.
- 2.2.2 Modern will provide/arrange for the students/participants who want to attend the course.
- 2.2.3 Modern will provide the infrastructure for conducting classroom or other sessions.

2.3 Elite and Modern

- 2.3.1 Elite and Modern will issue the "Certificate of Completion" to all participants.

3. Financial Arrangements

The financial arrangements between Elite and Modern will be decided in mutual agreement.



Principal



Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



ELITE INSTITUTE OF PHARMA SKILLS

Office No. 12, Sherada Complex, Opp. Epro Main Gate,

HDFC Bank Chowk, Behind Annapurna Restaurant, Chinchwad East,

Chinchwad, Pune - 411 033, Maharashtra, INDIA.

MOB - +91-702 804 2239/40 | WEBSITE - www.elite-pharmaskills.com

info@elite-pharmaskills.com | regulatorycareer@elite-pharmaskills.com

4. Term of agreement

4.1 This agreement will be in force for a period of five years from the date of execution.

5. Termination

5.1 This agreement may be terminated by either Elite or Modern after providing a notice of 30 days.



6.  is the registered trademark of Elite and its use is not permitted without prior authorization

For Elite Institute of Pharma Skills, Chinchwad, Pune.

Mrs. Archana D. Gawade

Date: 07.07.2016



For Modern College of Pharmacy, Nigdi, Pune.

Dr. P.D. Chaudhari

Date: 07.07.2016

Principal

P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.





ELITE INSTITUTE OF PHARMA SKILLS

Office No. 211, 2nd Floor, Laxmi Complex, Near Big Bazar,
Off Pune Bombay Highway, Chinchwad, Pune 411019.
MOB - 7028042239 / 9767901050
WEBSITE - www.elite-pharmaskills.com
info@elite-pharmaskills.com | regulatorycareer@elite-pharmaskills.com

Memorandum of Understanding

Date of MOU: 07.07.2016

Duration: 07.07.2016 to 06/07/2021 (5 years)

Renewal date: 05/07/2021

Duration: 05/07/2021 to 04/07/2031 (10 years)

This is the memorandum of understanding between Elite Institute of Pharma Skills, full address Office No. 211, Laxmi complex, Off Pune Bombay Old highway, Chinchwad, Pune-411019 (hereinafter referred to as Elite) and P.E Society's Modern College of Pharmacy, Sector 21, Yamunanagar, Nigdi, Pune-411044 (hereinafter referred to as Modern).

Whereas Elite is involved in promoting awareness about Pharmacovigilance and related guidelines in India and conducting courses in the field of Pharmacovigilance and Clinical Research for students and professionals for creating a human resource who will be involved in the field of Pharmacovigilance and Clinical Research

Whereas Modern is involved in imparting education to students in the field of pharmaceutical sciences leading to Bachelor, Master or Doctoral degree in pharmaceutical sciences.

1. Objective

Elite and Modern will jointly conduct Certification courses in Pharmacovigilance and Clinical Research leading to proficiency in regulatory guidelines and various related software. Both parties will involve in arranging guest lectures, sharing Library facilities, Seeking feedback on curriculum, co-curricular and extracurricular activities, Co-organizing Seminar, Conferences and Workshops.


2. Responsibilities

2.1 Elite

2.1.1 Elite will provide Resource persons for covering the course content.

2.1.2 Elite will conduct Classroom training or training through any other mode.




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



ELITE INSTITUTE OF PHARMA SKILLS

Office No. 211, 2nd Floor, Laxmi Complex, Near Big Bazar,
Off Pune Bombay Highway, Chinchwad, Pune 411019.
MOB – 7028042239 / 9767901050
WEBSITE – www.elite-pharmaskills.com
info@elite-pharmaskills.com | regulatorycareer@elite-pharmaskills.com

- 2.1.3 Elite will provide learning resources as needed.
- 2.1.4 Elite will evaluate the course participants for proficiency in course content.
- 2.1.5 Elite will involve in arranging guest lectures, sharing Library facilities, Seeking feedback on curriculum, co-curricular and extracurricular activities,
- 2.1.6. Elite will involve in Co-organizing Seminar, Conferences and Workshops.

2.2 Modern

- 2.2.1 The faculty of Modern will be involved in Design of course content.
- 2.2.2 Modern will provide/arrange for the students/participants who want to attend the course.
- 2.2.3 Modern will provide the infrastructure for conducting classroom or other sessions.
- 2.1.4 Modern will involve in arranging guest lectures, sharing Library facilities, Seeking feedback on curriculum, co-curricular and extracurricular activities,
- 2.1.5. Modern will involve in Co-organizing Seminar, Conferences and Workshops.

2.3 Elite and Modern

- 2.3.1 Elite and Modern will issue the "Certificate of Completion" to all participants.


3. Financial Arrangements

- 3.1 The financial arrangements between Elite and Modern will be decided in mutual agreement.

4. Term of agreement

- 4.1 This agreement will be in force for a period of Ten years from the date of execution.

5. Termination

- 5.1 This agreement may be terminated by either Elite or Modern after providing a notice of 30 days.
- 5.2.  is the registered trademark of Elite and its use is not permitted without prior authorization




Principal

P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi
Pune - 441044



ELITE INSTITUTE OF PHARMA SKILLS

Office No. 211, 2nd Floor, Laxmi Complex, Near Big Bazar,
Off Pune Bombay Highway, Chinchwad, Pune 411019.
MOB - 7028042239 / 9767901050
WEBSITE - www.elite-pharmaskills.com
info@elite-pharmaskills.com | regulatorycareer@elite-pharmaskills.com

For Elite Institute of Pharma Skills, Chinchwad, Pune.

Mrs. Archana D. Gawade

Co- founder and Director

Laxmi Complex, Office No. 211, Second Floor, Off, Old Mumbai Rd, near Big Bazar, Pimpri
Colony, Pimpri-Chinchwad, Maharashtra 411019

Email ID: pharmaskills.elite@gmail.com

Contact: 9767901050

Date: 05.07.2021

For Modern College of Pharmacy, Nigdi, Pune.

Dr. Pravin D. Chaudhari

Principal and Professor

Principal
P. E. S. Modern College of Pharmacy
Progressive Education Society, Nigdi
Sector No 21, Yamunanagar, Nigdi,
Pune 411044

Email ID: pdchaudhari21@rediffmail.com

Contact: 9850179873

Date: 05.07.2021





| Progressive Education Society's MODERN COLLEGE OF PHARMACY Accredited by NAAC & NBA DST FIST Funded College 'Best College Award' by Savitribai Phule Pune University | | | | | | | | | | | | | | | | | |
|--|--|--|---------------------|------------|------------|-------|---------------|------------------|---------------------|------------|----------|---|-----------|---------------------------|-----|------------|------------|
| <p>Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi, Directorate of Technical Education, Mumbai (MS), Permanently affiliated to Savitribai Phule Pune University, Pune & Approved under Section (2 (f) & 12 (B) of UGC Act, 1956</p> <p>Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044. (M.S.) Tel. : 020-27661314 / 15 E-mail : mcpnigdi44@gmail.com Website : www.mcop.org.in</p> <p>Prof. Dr. P. D. Chaudhari M.Pharm., Ph.D. Principal</p> <p>Prof. Dr. Gajanan R. Ekbote M.S., M.N.A.M.S. Chairman, Business Council P.E.Society, Pune</p> | | | | | | | | | | | | | | | | | |
| Ref : | Summary of Activity done under MOU Year wise | Date : | | | | | | | | | | | | | | | |
| <p>Name of concerned Organization: Elite Pharma Skills, Chinchwad, Pune</p> <p>Date of MOU: 07/07/2016 to 04/07/2031</p> <p>Validity Period of MOU: 15 Years</p> | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"><thead><tr><th>Sr no</th><th>Academic Year</th><th>Name of Activity</th><th>No of beneficiaries</th><th>Start Date</th><th>End Date</th></tr></thead><tbody><tr><td>1</td><td>2019-2020</td><td>National level Conference</td><td>150</td><td>06/03/2020</td><td>06/03/2020</td></tr></tbody></table> | | | | | | Sr no | Academic Year | Name of Activity | No of beneficiaries | Start Date | End Date | 1 | 2019-2020 | National level Conference | 150 | 06/03/2020 | 06/03/2020 |
| Sr no | Academic Year | Name of Activity | No of beneficiaries | Start Date | End Date | | | | | | | | | | | | |
| 1 | 2019-2020 | National level Conference | 150 | 06/03/2020 | 06/03/2020 | | | | | | | | | | | | |
| Dr. Pravin D. Chaudhari Principal and Professor | | MoU Incharge Elite Pharma Skills, Pune | | | | | | | | | | | | | | | |
| <p>STRIVING TOWARDS EXCELLENCE FOREVER</p> | | | | | | | | | | | | | | | | | |



2019-2020

Progressive Education Society's
Modern college of Pharmacy, Nigdi, Pune-44

Academic Year 2019-20

REPORT FOR NATIONAL LEVEL CONFERENCE

Title of Conference: "Medical Coding and E-Poster competition"

Level of Conference: National Level

Date: 06/02/2020

Total no of Participant: 150

Details of resource persons with topic for talk

| Session/ Time | Resource person | Title of talk |
|---|--|---|
| 10:00 am to 10:30 am | | Inauguration key note address |
| Session 1 10.30 am to 11:30 am | Mr. Chetan P. Gawali, Team Leader, 3Gen Consulting services Pune. | Current scenario and future scope in medical coding |
| Session 2 11.30 am to 12.30 pm | Mr. Prasad Khairnar Quality Auditor, HIM Coding Experts Pune. | Medical coding certification |
| Session 3 12.30 pm to 01.00 pm | Mrs. Archana D. Gawade Director, Elite Institute of Pharma Skills Pune. | Soft skill development in medical coding |
| E- Poster Details | | |
| E-Poster competition 2:00 pm to 4 pm | 1. Hall A Evaluator: Dr. Sachin B. Agawane, Principal Scientist, Biochemical Science Division, CSIR-National Chemical Laboratory Pashan Road, Pune 2. Hall B Evaluator: Dr. Lata Kothapalli, Professor Dr. D. Y. Patil Institute of Pharmaceutical Sciences & Research, Pimpri, Pune 3. Hall C Evaluator: Ms. Nirvi Gandhi, Head Formulation Dept. Nulife Pharmaceutical Pvt Ltd, Pune 4. Hall D Evaluator: Dr. Pravin S. Uttekar, Associate Professor, Trinity college of Pharmacy, Pune | |
| 4.00 pm to 4.30 pm | Valedictory and prize distribution function | |



Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044

Photo of conference



Inauguration



Key note address



Felicitation of Archana Gawde



Participant in conference



Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044



Dr Lata Kotapalli as a Evaluator



Dr Prasad Khairnar as Speaker




Dr Nirvi Gandhi as a Evaluator



Dr P S Uttekar as a Evaluator




Falicitation to Dr Prasad Khairnar


Dr. V V Chopade
Coordinator



Vote of Thanks




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

CHIEF PATRON

Dr. Prof. G. R. Ekbote

Chairman, Business Council,
Progressive Education Society, Pune



ATIONS

Prof. S. S. Chakrabarti, Secretary, Progressive Education Society,
Prof. G. K. Chakrabarti, Joint Secretary, Progressive Education Society, Pune
Prof. Ashok Chakrabarti, Joint Secretary, Progressive Education Society, Pune
S. D. Chakrabarti, Dy. Secretary, Progressive Education Society,
Dr. K. K. Chakrabarti, Modern School of Physics, Noida

Committee

Dr. S. B. Jadhav
Dr. A. A. Phatak
Dr. D. D. Bandawane
Dr. K. S. Shaikh
Dr. S. S. Pimple
Dr. B. P. Pimple (Mobile: 9970830030)
E-mail: conf.mcp2020@gmail.com

Organizing Committee

| | |
|----------------------|-----------------------|
| Dr. A. R. Balap | Dr. M. T. Harde |
| Dr. P. M. Patil | Dr. A. S. Tapkir |
| Mr. S. Y. Chaudhari | Prof. R. A. Jinturkar |
| Prof. S. S. Phadtare | Prof. P. G. Zori |
| Dr. N. B. Parihar | Dr. A. R. Kumbhar |
| Dr. P. R. Kela | Dr. U. S. Desai |

For Registration Contact

Dr. N. B. Parihar (Mobile: 8890889585)
Dr. P. R. Kela (Mobile: 7588417833) E-mail: reg.mcp2020@gmail.com

For Accommodation Contact

Dr. S. Y Chaudhari (Mobile: 9403312322)
E-mail: accommodation.mcp2020@gmail.com

CONVENER

Dr. Pravin D. Chaudhari

Artes & Prose, 14100, New City, NY 10814, Tel. 914-438-4000
 Fax: 914-438-4001

See the list of products and prices on the left, in
 (see) www.rockwell.com, or contact Rockwell at 800-451-2867, or 408/299-2000.

CO-ORDINATOR

Dr. Vitthal V. Chopade (Mobile: 9545452767)

Associate Professor,
Department of Pharmaceutical Chemistry
Modern college of Pharmacy, Noida, U.P.

Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.





ABOUT THE SOCIETY

Progressive Education Society was established in the year 1934 by Prof. Shankarraoji Kanitkar, who was a veteran teacher and a social worker. The society was established with an aim to provide education to all sectors of the community. Today, P. E. Society is headed by Hon. Dr. G. R. Ekbote who is the Chairman of Business Council of Progressive Education Society. Under his able guidance, P. E. Society is running 58 institutes including schools, colleges and technical institutions imparting quality education from K. G. to Ph. D in the field of Pharmacy, Engineering, Law, Education, Agricultural Biotechnology and Management. The society is committed for the cause of the people since its inception.

ABOUT THE COLLEGE

Modern College of Pharmacy was established in 1998 by P. E. Society at Yamunanagar, Nigdi in the close proximity of the industrial belt of Pimpri - Chinchwad. The name of Society and that of our college typifies the Society's mission to be "Progressive" in education and "Modern" in technical knowledge. The college has carved out a special niche for imparting quality education in pharmacy. Our College is approved by Government of Maharashtra (DTE), All India Council for Technical Education (AICTE) and Pharmacy Council of India. It is permanently affiliated to Savitribai Phule Pune University. College is accredited by NAAC & NBA and recognized under 2f and 12(B) by UGC, New Delhi. Under the able leadership of Principal Dr. P. D. Chaudhari, college offers B. Pharmacy, Pharm. D, M. Pharmacy (Pharmaceutics, Pharmaceutical Chemistry, Pharmacology & Pharmaceutical Quality Assurance) and Ph. D in Pharmaceutics, Pharmaceutical Chemistry and Pharmacology. The college has secured All India Rank 74 in NIRF Ranking 2019 in Pharmacy Category. The college has been awarded as "Best College in Professional Colleges' Category" by Savitribai Phule Pune University in 2015-2016.

ABOUT ELITE INSTITUTE OF PHARMA SKILLS PUNE

Elite Institute of Pharma Skills is a premier institute at Pune location. They are carving out global pharma professionals in the field of Regulatory Affairs, Pharmacovigilance, Clinical research and medical coding. This is done through the highly effective skill development training programs conducted all over Maharashtra by the assorted experts from industry. They provide aspirants with the better approach in many fields and make them a industry ready candidates.

SCOPE OF CONFERENCE

Medical coding is the translation of medical reports into a short code used within the healthcare industry. This helps to summarize medical reports into efficient, data-friendly codes. While complex and detail-driven, medical coding really comes down to knowing how to navigate the three main code sets: CPT, ICD, and HCPCS. These code sets help coders document the condition of a patient and describe the medical procedure performed on that patient in response to their condition. Through this conference We'll train you to recognize how code set is organized and how each should be used.

OBJECTIVES OF CONFERENCE

- 1) To provide knowledge in medical coding in healthcare industry
- 2) To provide a platform for job opportunities in medical coding department
- 3) To get exposure for presenting E-Poster
- 4) Sharing the knowledge

REGISTRATION

The conference is mainly for the B. Pharm, Pharm D, M. Pharm & Ph. D scholars from various Institutes, research laboratories and industry of pharmaceutical, medical, Ayurvedic, biotechnological and other streams of healthcare profession. The registration fees are:

- For Industry Person - Rs. 500/-
- For Academician - Rs. 400/-
- For B. Pharm, Pharm D, M. Pharm & Ph. D scholars - Rs. 300/-

Registration fee is non-refundable. Registration fee includes a kit, access to all sessions, tea/coffee and lunch. Enrollment is restricted to 100 participants and therefore application will be acceptable on first come first serve basis. Accommodation will be charged extra. Scan copy of the duly filled registration form and NEFT/RTGS G-Pay receipt should be sent to reg.mcp2020@gmail.com.

E-Poster/Oral Presentation (Only for students)

The E-poster competition will be held on all topics related to pharmaceutical sciences. Abstracts are invited for E-poster / oral presentation and should be sent by e-mail on or before 3-03-2020 to the mail ID: conf.mcp2020@gmail.com. The Scientific Committee will review the submitted abstracts and the presenting author will be informed about the acceptance and non-acceptance by email. The presenting author will have to register as participant on or before 03-03-2020. The decision of the Scientific Committee will be final in this regard. Certificate of presentation, will be given to the all presenting author only. E-Poster must be prepared in PPT or PDF only. The time for each oral presentation is 5 min, followed by 5 min for discussion. A structured abstract not exceeding 250 words should be arranged, under the following headings, in one paragraph: Purpose, Methods, Results and Conclusions with keywords. All Presentation will be evaluate by Evaluator and cash prize, trophy and ranking certificate will be given to presenting author only

First cash prize: 3000/- Second cash prize: 2000/- and Third cash prize: 1000/-

Program Schedule

Friday, 6th March 2020

| | |
|----------------------|---|
| 09.00 am to 10.00 am | - Registration, Breakfast and Tea |
| 10.00 am to 10.30 am | - Inauguration |
| 10.30 am to 11.00 am | - Keynote address |
| 11.00 am to 12.00 pm | - Session - I |
| 12.00 pm to 01.00 pm | - Session - II |
| 01.00 pm to 02.00 pm | - Lunch Break |
| 02.00 pm to 04.00 pm | - E- Poster Presentation |
| 04.00 pm to 05.00 pm | - Valedictory Function & Prize distribution |

Resource Persons

Mr. Chetan P. Gawali
Team Leader,
JGen Consulting services Pune.

Mr. Kiran Pawale
Subject Matter Expert,
IKS Health Pune.

Mrs. Archana D. Gawade
Director,
Elite Institute of Pharma Skills Pune.

Mr. Prasad Khairnar
Quality Auditor,
HIM Coding Experts Pune.



Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



REGISTRATION FORM

To,
The Principal
Progressive Education Society's Modern College of Pharmacy,
Yamunanagar, Nigdi, Pune - 44.

National Conference and E-Poster competition
in association with Elite Institute of Pharma Skills Pune.
ON
RECENT TRENDS IN MEDICAL CODING
Dates: 6th March 2020

I wish to register as **Attendee/E-Poster Presenter** (Tick appropriate option)

1. Name : Mr./Mrs./Ms./Prof.

2. Name & Address of Institute :

3. Qualification & Designation :

4. Address for Communication :

Signature : Mobile : E-mail :

5. Registration Fees by Cash/RTGS/NEFT

Transaction ID: Date:

Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

Bank Details for RTGS/NEFT :
Account Holder : PES Modern College of Pharmacy, Nigdi
Account Number: 20124100370
Name of Bank : Bank of Maharashtra
Branch : Yamunanagar, Pune
IFSC Code : MAHB0001132
MICR Code : 411014076



| Sr no | Name of Delegates | Name of Institute | Designation | Qualification | E-mail-ID and Contact no | Sign |
|-------|----------------------------------|---|--------------------------|---------------|------------------------------------|------|
| 1 | Lomate Pratiksha Eknoth Spot | S.M.B.T. College of pharmacy, Nashik. | Final yr. 1 B. Pharm. | B. Pharm | pratiksha.lomate1999 @gmail.com | |
| 2 | Ranade Prachi Spot | S.M.B.T college of pharmacy, Nashik. | And yr. 3 B.ph | B. Pharm | prachiranade01@ gmail.com | |
| 3 | Khadke Rutuja Nandiksha Spot | S.M.B.T. college of pharmacy, Nashik | Final yr. 1 B.ph | B. Pharmacy | rutujakhadke90@gmail.com | |
| 4 | Mithe Priyanka Kailas Spot | S.M.B.T college of pharmacy, Nashik | Final yr. B. ph. 2 | B. Pharm | priyankamithe00@ gmail.com | |
| 5 | Karade Aishwarya vijay Spot | S.M.B.T college of pharmacy, Nashik | Final yr. 2 B. Pharm | B. Pharm | akarade.aiswarya@gmail.com | |
| 6 | Tundre Poonam Yashraj Spot | S.M.B.T. college of pharmacy, Nashik. | Final yr. 1 B. Pharm | B. Pharm | Poonamtundre1417 @gmail.com | |
| 7 | Megha V. Hanger | S.V.P Siddhi college of pharmacy, Nashik | Final yr. 1 B. Pharm | B. Pharm | megha.hanger2001@ gmail.com | |



Principal
P.E.S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



P. E. Society's
Modern College of Pharmacy, Nigdi, Pune-44.
2019 - 2020
National Conference and E-Poster competition in association with Elite Institute of Pharma Skills Pune.
On 6th March 2020

"RECENT TRENDS IN MEDICAL CODING"

DELEGATES INFORMATION

| Sr no | Name of Delegates | Name of Institute | Designation | Qualification | E-mail-ID and Contact no | Sign |
|-------|------------------------------|---|-------------|------------------------|---|------|
| 1. | Prof. Subhash Chate spot. | Dr. D.Y. Patil Pharmaceutical SCIENCE and Research, PIMPRI. | 18 | Assistant Professor | chatesubhash30@gmail.com 9766223086 | |
| 2. | Dhanraj Patil | — — | 14 | Pharm D | dhanrajpatil243@gmail.com 9112990299 | |
| 3. | Shadab Sheikh | — — | 19 | Pharm D | Shadabsheikhice@gmail.com 7887460468 | |
| 4. | Prince Rituraj | — — | 21 | Pharm D | princerituraj1999@gmail.com 7091449101 | |



P. E. Society's Modern College of Pharmacy
Sector No 21, Yashwanagar, Nigdi,
Pune - 411 044.



| Sr no | Name of Delegates | Name of Institute | Designation | Qualification | E-mail-ID and Contact no | Sign |
|-------|-------------------|--|---------------|---------------|--------------------------------|------|
| 8 | Vidhya P. Thorat | S.S.P. Siddhi college of pharmacy chitkodi | Asst Prof 123 | M. Pharm | thorav.ykhyq@gmail.com | |
| 9 | Shruti Talmale | Dr. D.Y. Patil college of Pharmacy, Akurdi | Asst Prof 61 | M. Pharm | Shrutitalmale06@gmail.com | |
| 10 | Ganeshwar Anirudh | — IN — | Student 62 | m. Pharm | anirudhganeshwar05@gmail.com | |
| 11 | Pavitra Mahesh | Indira College of Pharmacy | Student | Pharm D | pavitramahesh@gmail.com | |
| 12 | Damini Kolhe | Indira College of Pharmacy | Student | Pharm D | damini.kolhe@gmail.com | |
| 13 | Ragini Mathdama | Siddhant College of Pharmacy | Student 84 | B. Pharm | ragini.mathdama@gmail.com | |
| 14 | Bangor Bhagayshri | — IN — | Student 85 | B. Pharm | bangorbhagayshri2506@gmail.com | |

Principal
P. E. S. Modern College of Pharmacy
Sector No 21, Yamanagar, Nigdi,
Pune - 411 044.



| Sr no | Name of Delegates | Name of Institute | Designation | Qualification | E-mail ID and Contact no | Sign |
|-------|------------------------------------|-------------------------------------|-------------|---------------|--------------------------------|------|
| 15 | Jyoti Vilas Varpe Chopade | Amrutvahini College of Pharmacy. | B. Pharm | T.Y. 113 | jyotivarpe1999@ | |
| 16 | Nikita Somnath Kulkarni Chopade | Amrutvahini College of Pharmacy | B. Pharm | T.Y. 117 | nikitakulkarni2016@ | |
| 17 | Kamal Tejaswini Ashok Chopade | Amrutvahini College of Pharmacy | B. Pharm | T.Y. 119 | kamaltejaswini25@ gmail.com | |
| 18 | Anshuade Shukham Satish Chopade | Amrutvahini College of Pharmacy | B. Pharm | T.Y. 121 | anshushukham322@gmail.com | |
| 19 | Hande Mayuri Subhash Chopade | Amrutvahini College of Pharmacy | B. Pharm | T.Y. 114 | mayurihandekar@gmail.com | |
| 20 | Yadav Gulshan Kailash Chopade | Amrutvahini College of Pharmacy | B. Pharm | T.Y. 118 | Gulshan.kyadav1999@gmail.com | |
| 21 | Haave Anshwini Rajendra Chopade | Amrutvahini College of Pharmacy | B. Pharm | T.Y. 112 | anshwinicv12@gmail.com | |

Principal

P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

[illegible]



MOU with Callidus Research Laboratory Pvt Ltd., Pune

Summary of activities under MOU

| Sr no | Academic Year | Name of Activity | No of beneficiaries | Start Date | End Date |
|-------|---------------------------|-----------------------------|---------------------|------------|------------|
| 1. | 2018-2019 | Faculty industrial training | 03 | 27/05/2018 | 06/06/2018 |
| | | Student industrial project | 06 | 04/06/2018 | 20/05/2019 |
| | | Industrial visit | 22 | 02/03/2019 | 02/03/2019 |
| 2. | 2019-2020 | Industrial visit | 22 | 29/02/2020 | 29/02/2020 |
| | | Faculty industrial training | 5 | 27/05/2019 | 08/06/2019 |
| 3. | 2020-2021 | Collaborative Research | 1 | 04/10/2019 | 12/12/2020 |
| | | Faculty industrial training | 3 | 03/05/2021 | 30/05/2021 |
| 4. | 2021-2022 | Faculty industrial training | 1 | 01/06/2021 | 06/06/2021 |
| | | Internship | 01 | 03/01/2022 | 11/02/2022 |
| | | Student industrial project | 01 | 27/09/2021 | 01/06/2022 |
| 5 | 2022-2023 | Faculty industrial training | 03 | 22/10/2022 | 29/10/2022 |



11 4

MEMORANDUM OF UNDERSTANDING

P. E. Society's Modern College of Pharmacy, Sector no-21, Yamunanagar, Nigdi, Pune-44 herein referred as the **FIRST PARTY** (which term unless the context otherwise requires shall include its representatives, successors of assignees of first party)

Callidus Research Laboratories Pvt. Ltd, herein after referred as the **SECOND PARTY** (which term unless the context otherwise requires shall include its representatives, successors of assignees of second party)

PREAMBLE

- **P. E. Society's Modern College of Pharmacy, Nigdi, Pune-411044**

It is a premium institute imparting education in Pharmaceutical Sciences as well as carrying out research in Pharmaceutical Science. It is recognized by the AICTE, PCI and permanently affiliated to Savitribai Phule Pune University. The Institute is approved under Section 2(f) and 12(B) of the UGC Act, 1956 and is accredited by NAAC, India. The institute is awarded as a Best College in Professional Colleges category by Savitribai Phule Pune University. The institute is recognized as a Ph.D. research centre in Pharmaceutics, Pharmaceutical Chemistry and Pharmacology by Savitribai Phule Pune University. Due to the dedicated and competent faculty, up-dated curriculum, innovative methods of instructions and excellent laboratory facilities, it has been attracting students from all over India and outside. The library is enriched with Chemical Abstracts (1907-1986) and has subscribed to



Page 1 of 4

Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

Callidus Research Laboratories Pvt. Ltd.

PAP-A-29/1, Chakan Industrial Area Phase IV, Village - Nighoje, Tal. Khed, Dist. Pune - 410 501. (India)
Tel : + 91 -20-69000144 E-mail : info@calliduslabs.com Website : www.calliduslabs.com



more than 3900 e-journals. The college has also subscribed to various national programs such as, National Program on Technology Enhanced Learning (NPTEL) and National Library and Information Services Infrastructure for Scholarly Content NLIST a Program at INFLIBNET. The college library has maintained a well furnished language laboratory and audio-visual room. The college has well equipped research laboratories and the faculty and the students have undertaken various research projects in major thrust areas in Pharmacy and allied sciences.

• **Callidus Research Laboratories Pvt. Ltd,**

Callidus Research Laboratories Pvt. Ltd. is a Leading Pharmaceutical research and Development company of India, established by a team of techno-entrepreneurs having vast experience in the globally reputed pharmaceutical industry focused on pharmaceutical drug product development and technology transfer to manufacturing site across the globe.

It provides challenging solutions to generic as well as brand companies to develop and establish new technology platforms.

The research activities at Callidus research Labs are conducted in a state of the art modern R&D facility set up with a vast scientific knowledge pool conforming to international standards.

The state of art pharmaceutical research and development facility is spread over 8000sq.ft (720squaremeter) built as per international standards.

Callidus Research Labs has adequate equipment and instruments to carry out research and development activities with highest quality standards.

GOALS AND OBJECTIVES

Whereas the FIRST PARTY is engaged in teaching and research in Pharmaceutical Science,

Whereas the SECOND PARTY is Pharmaceutical research and Development Company works as a contract research organization, Regulatory Affairs, Quality Assurance, Audits, Technical and Training.

The FIRST PARTY and the SECOND PARTY have agreed to hire the services and facilities available with FIRST PARTY and SECOND PARTY to take up joint Research and Development (R & D) projects and training modules.



Page 2 of 4
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

Callidus Research Laboratories Pvt. Ltd.

PAP-A-29/1, Chakan Industrial Area Phase IV, Village - Nighoje, Tal. Khed, Dist. Pune - 410 501. (India)
Tel : + 91 -20-69000144 E-mail : info@calliduslabs.com Website : www.calliduslabs.com



The SECOND PARTY has agreed to share their expertise and facilities with the students and faculty of FIRST PARTY. The SECOND PARTY has also agreed to allow the hands-on training and industrial projects to the Undergraduate and Post graduate students of FIRST PARTY and support the training and placements activities of FIRST PARTY.

Both the parties have agreed to work on the research projects in the areas of mutual interest such as-

- Formulation and development
- Novel Drug delivery system.
- Drug Regulatory Affairs
- Drug Dissolution studies, Diffusion studies etc.
- Biotechnology based products
- Pharmacological activities and Animal toxicity studies.

Now this deed of MOU is agreed by and between the parties under following terms and condition for 3 Years from the date of Signature:

TERMS AND CONDITIONS:

- a) The R& D work and special lectures of the modules/courses of **BOTH PARTIES** will be taken up at the premises of **BOTH THE PARTIES** as per the program of work mutually agreed upon.
- b) The **SECOND PARTY** shall provide required materials such as chemicals, polymers and others for the purpose of study along with the relevant data on such materials.
- c) **BOTH THE PARTY** may allot such joint projects to M.Pharm or Ph.D. students with the help of the staff and students of their organization. The required equipment for carrying out the R & D activity other than those available with **FIRST PARTY** and are to be made available by **SECOND PARTY and Vice Versa** or suitable assistance shall be borne by the **BOTH THE PARTIES** for getting such work done.

Page 3 of 4



Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

Callidus Research Laboratories Pvt. Ltd.

PAP-A-29/1, Chakan Industrial Area Phase IV, Village - Nighoje, Tal. Khed, Dist. Pune - 410 501. (India)
Tel : + 91 -20-69000144 E-mail : info@calliduslabs.com Website : www.calliduslabs.com



- d) The funds for such R&D work shall be obtained through respective research Councils by individual/joint application of research proposals and shall be used to support mutually agreed projects activities.
- e) The faculty, students and employees from both parties can freely interact on the joint research project. The faculty and the students can share the Laboratory and Instrumental facilities for smooth functioning of the project.
- f) The findings of the research work shall be published or patent jointly by the parties.
- g) If the results of this joint project are able to attract commercial utilization, then the financial benefit shall be shared between the two parties equally or through any mutually agreed arrangements.
- h) All joint projects shall be reviewed every six months by joint committee appointed for the purpose by the two institutes in order to advice on the future course of each project. Collaborating researchers from both sides are expected to make presentations at such meeting along with submitting a summarized account of the work carried out for that period. The joint committee is also entrusted with the responsibility of suggesting any remedial measures for ensuring success of each project.
- i) Any dispute arising shall be settled through mutual negotiations only without recourse to resolving the dispute by legal means.

Signed on -


Dr. P.D. Chaudhari
Principal


Director

PES Modern college of Pharmacy, Nigdi, Pune

Callidus Research Laboratories Pvt. Ltd.

Date: 20/06/2016



Page 4 of 4


Principal

P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

Callidus Research Laboratories Pvt. Ltd.

PAP-A-29/1, Chakan Industrial Area Phase IV, Village - Nighoje, Tal. Khed, Dist. Pune - 410 501. (India)
Tel : + 91 - 20-69000144 E-mail : info@calliduslabs.com Website : www.calliduslabs.com



MEMORANDUM OF UNDERSTANDING


P. E. Society's Modern College of Pharmacy, Sector no-21, Yamunanagar, Nigdi, Pune-44 herein referred as the **FIRST PARTY** (which term unless the context otherwise requires shall include its representatives, successors of assignees of first party)

Callidus Research Laboratories Pvt. Ltd, herein after referred as the **SECOND PARTY** (which term unless the context otherwise requires shall include its representatives, successors of assignees of second party)

PREAMBLE

- P. E. Society's Modern College of Pharmacy, Nigdi, Pune-411044

It is a premium institute imparting education in Pharmaceutical Sciences as well as carrying out research in Pharmaceutical Science. It is recognized by the AICTE, PCI and permanently affiliated to Savitribai Phule Pune University. The Institute is approved under Section 2(f) and 12(B) of the UGC Act, 1956 and is accredited by NAAC, India. The institute is awarded as a Best College in Professional Colleges category by Savitribai Phule Pune University. The institute is recognized as a Ph.D. research centre in Pharmaceutics, Pharmaceutical Chemistry and Pharmacology by Savitribai Phule Pune University. Due to the dedicated and competent faculty, up-dated curriculum, innovative methods of instructions and excellent laboratory facilities, it has been attracting students from all over India and outside. The library is enriched with Chemical Abstracts (1907-1986) and has subscribed to


Principal
P. E. S. Modern College of Pharmacy
Sector No 21, Yamunanagar, Nigdi,
Pune - 411 044



Page 1 of 4

Callidus Research Laboratories Pvt. Ltd.

Plot No. PAP-A-29/1, Chakan Industrial Area Phase IV, Village - Nighoje, Tal. Khed, Dist. Pune - 410 501. Maharashtra. (India)
Tel : + 91 - 9970004680, E-mail : info@calliduslabs.com, Website : www.calliduslabs.com



more than 3900 e-journals. The college has also subscribed to various national programs such as, National Program on Technology Enhanced Learning (NPTEL) and National Library and Information Services Infrastructure for Scholarly Content NLIST a Program at INFLIBNET. The college library has maintained a well-furnished language laboratory and audio-visual room. The college has well equipped research laboratories and the faculty and the students have undertaken various research projects in major thrust areas in Pharmacy and allied sciences.

- **Callidus Research Laboratories Pvt. Ltd,**

Callidus Research Laboratories Pvt. Ltd. is a Leading Pharmaceutical research and Development company of India, established by a team of techno-entrepreneurs having vast experience in the globally reputed pharmaceutical industry focused on pharmaceutical drug product development and technology transfer to manufacturing site across the globe.

It provides challenging solutions to generic as well as brand companies to develop and establish new technology platforms.

The research activities at Callidus research Labs are conducted in a state of the art modern R&D facility set up with a vast scientific knowledge pool conforming to international standards.

The state of art pharmaceutical research and development facility is spread over 8000sq.ft (720squaremeter) built as per international standards.

Callidus Research Labs has adequate equipment and instruments to carry out research and development activities with highest quality standards.

GOALS AND OBJECTIVES

Whereas the FIRST PARTY is engaged in teaching and research in Pharmaceutical Science,

Whereas the SECOND PARTY is Pharmaceutical research and Development Company works as a contract research organization, Regulatory Affairs, Quality Assurance, Audits, Technical and Training.

The FIRST PARTY and the SECOND PARTY have agreed to hire the services and facilities available with FIRST PARTY and SECOND PARTY to take up joint Research and Development (R & D) projects and training modules.

The SECOND PARTY has agreed to share their expertise and facilities with the students and faculty of FIRST PARTY. The SECOND PARTY has also agreed to allow the hands-on

Page 2 of 4


Principal
P. E. S. Modern College of Pharmacy
Sector No 21, Yamunanagar, Nigdi,
Pune - 411 044





training and industrial projects to the Undergraduate and Post graduate students of **FIRST PARTY** and support the training and placements activities of **FIRST PARTY**.

Both the parties have agreed to work on the research projects in the areas of mutual interest such as-

- Formulation and development
- Novel Drug delivery system.
- Drug Regulatory Affairs
- Drug Dissolution studies, Diffusion studies etc.
- Biotechnology based products
- Pharmacological activities and Animal toxicity studies.

Now this deed of MOU is agreed by and between the parties under following terms and condition for 10 Years from the date of Signature:

TERMS AND CONDITIONS:

- a) The R& D work, training sessions, workshops and special lectures of the modules/courses of **BOTH PARTIES** will be taken up at the premises of **BOTH THE PARTIES** as per the program of work mutually agreed upon.
- b) The **SECOND PARTY** shall provide required materials such as chemicals, polymers and others for the purpose of study along with the relevant data on such materials.
- c) **BOTH THE PARTY** may allot such joint projects to Pharm or Ph.D. students with the help of the staff and students of their organization. The required equipment for carrying out the R & D activity other than those available with **FIRST PARTY** and are to be made available by **SECOND PARTY and Vice Versa** or suitable assistance shall be borne by the **BOTH THE PARTIES** for getting such work done.
- d) The funds for such R& D work shall be obtained through respective research councils by individual/joint application of research proposals and shall be used to support mutually agreed projects activities.


Principal
P. E. S. Modern College of Pharmacy
Sector No 21, Yamunanagar, Nigdi,
Pune - 411 044.




Page 3 of 4





- e) The faculty, students and employees from both parties can freely interact on the joint research project. The faculty and the students can share the Laboratory and Instrumental facilities for smooth functioning of the project.
- f) The findings of the research work shall be published or patent jointly by the parties.
- g) If the results of this joint project are able to attract commercial utilization, then the financial benefit shall be shared between the two parties equally or through any mutually agreed arrangements.
- h) All joint projects shall be reviewed every six months by joint committee appointed for the purpose by the two institutes in order to advice on the future course of each project. Collaborating researchers from both sides are expected to make presentations at such meeting along with submitting a summarized account of the work carried out for that period. The joint committee is also entrusted with the responsibility of suggesting any remedial measures for ensuring success of each project.
- i) Any dispute arising shall be settled through mutual negotiations only without recourse to resolving the dispute by legal means.

Signed on - 18/06/19


Dr. P.D. Chaudhari
Principal



PES Modern college of Pharmacy, Nigdi, Pune

Principal

P. E. S. Modern College of Pharmacy
Sector No.21, Yamunenagar, Nigdi,
Pune - 411 044.



Director




Callidus Research Laboratories Pvt. Ltd,

For CALLIDUS RESEARCH LABORATORIES PVT LTD.

Authorized Signatory



 **Progressive Education Society's**
MODERN COLLEGE OF PHARMACY
Accredited by NAAC & NBA
DST FIST Funded College
'Best College Award' by Savitribai Phule Pune University

Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently affiliated to
Savitribai Phule Pune University, Pune & Approved under Section (2 (f) & 12 (B) of UGC Act, 1956

Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044. (M.S.) Tel. : 020-27661314 / 15
E-mail : mcpnigdi44@gmail.com Website : www.mcop.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. Gajanan R. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council
P.E. Society, Pune

Ref : _____ Date : _____


Summary of Activity done under MOU Year wise


Name of concerned Industry: Callidus Research Laboratory (P) Ltd, Pune


Date of MOU: 20/06/2016 to 17/06/2029

Validity Period of MOU: 13 Years

| Sr no | Academic Year | Name of Activity | No of beneficiaries | Start Date | End Date |
|-------|---------------|-----------------------------|---------------------|------------|------------|
| 1. | 2018-2019 | Faculty industrial training | 03 | 27/05/2018 | 06/06/2018 |
| | | Student industrial project | 06 | 04/06/2018 | 20/05/2019 |
| | | Industrial visit | 22 | 02/03/2019 | 02/03/2019 |
| 2. | 2019-2020 | Industrial visit | 22 | 29/02/2020 | 29/02/2020 |
| | | Faculty industrial training | 5 | 27/05/2019 | 08/06/2019 |
| 3. | 2020-2021 | Collaborative Research | 1 | 04/10/2019 | 12/12/2020 |
| | | Faculty industrial training | 3 | 03/05/2021 | 30/05/2021 |
| 4. | 2021-2022 | Faculty industrial training | 1 | 01/06/2021 | 06/06/2021 |
| | | Internship | 01 | 03/01/2022 | 11/02/2022 |
| | | Student industrial project | 01 | 27/09/2021 | 01/06/2022 |
| 5 | 2022-2023 | Faculty industrial training | 03 | 22/10/2022 | 29/10/2022 |


Dr. Pravin D. Chaudhari
Principal and Professor

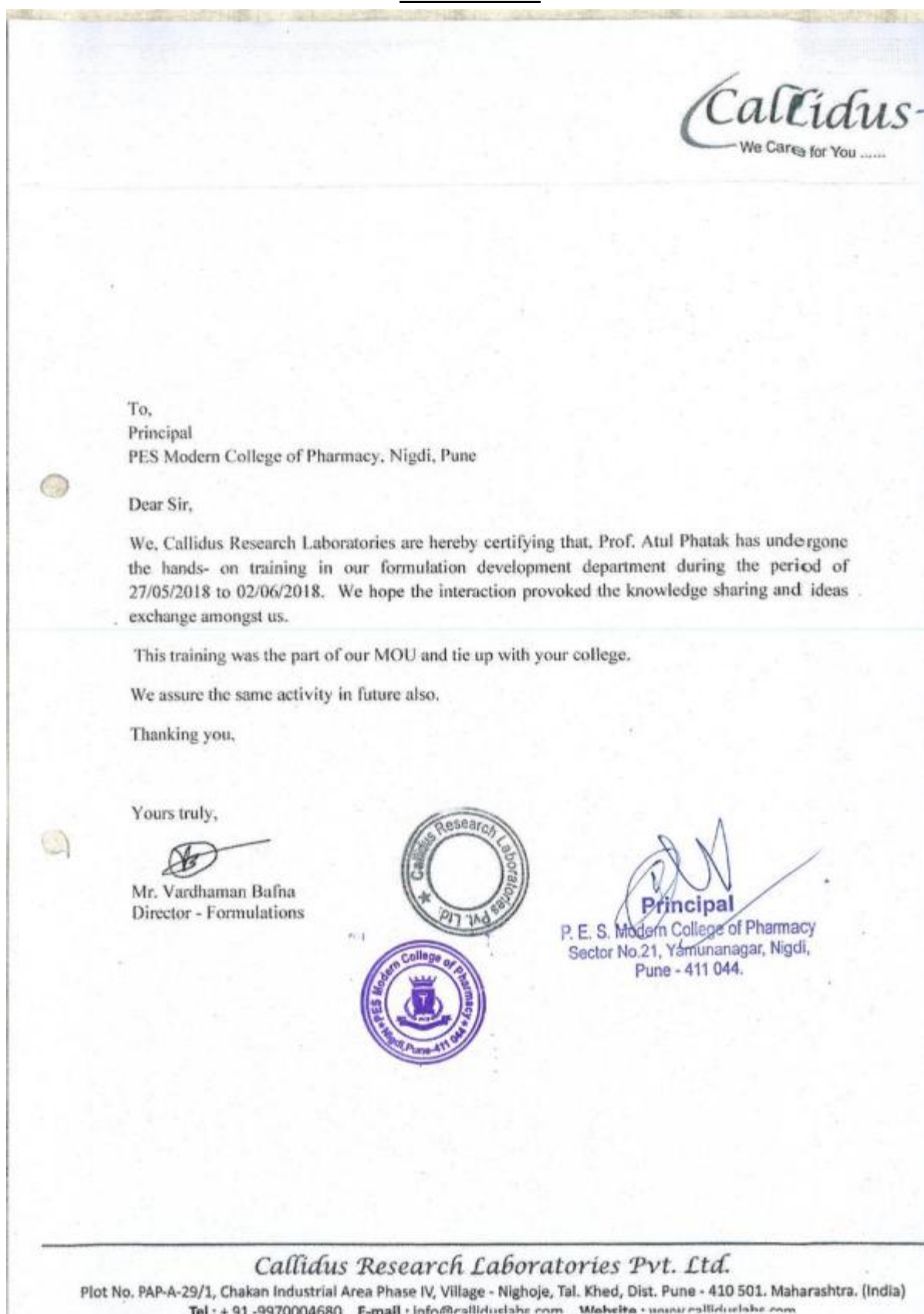



MoU Incharge
Callidus Research Laboratory (p) Ltd.,
Pune.

STRIVING TOWARDS EXCELLENCE FOREVER



2018-2019





Callidus
We Care for You

To,
Principal
PES Modern College of Pharmacy, Nigdi, Pune

Dear Sir,


We, Callidus Research Laboratories are hereby certifying that, Prof. Karima S. Shaikh has undergone the hands- on training in our formulation development department during the period of 01/06/2018 to 05/06/2018. We hope the interaction provoked the knowledge sharing and ideas exchange amongst us.

This training was the part of our MOU and tie up with your college.

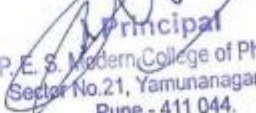
We assure the same activity in future also.

Thanking you,

Yours truly,


Mr. Vardhaman Bafna
Director - Formulations




Principal
P.E.S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

Callidus Research Laboratories Pvt. Ltd.

Plot No. PAP-A-29/1, Chakan Industrial Area Phase IV, Village - Nighoje, Tal. Khed, Dist. Pune - 410 501. Maharashtra. (India)
Tel : + 91 - 9970004680 E-mail : info@calliduslabs.com Website : www.calliduslabs.com



Callidus
We Care for You

To,
Principal
PES Modern College of Pharmacy, Nigdi, Pune

Dear Sir,


We, Callidus Research Laboratories are hereby certifying that, Prof. S. S. Pimple has undergone the hands- on training in our formulation development department during the period of 01/06/2018 to 06/06/2018. We hope the interaction provoked the knowledge sharing and ideas exchange amongst us.

This training was the part of our MOU and tie up with your college.

We assure the same activity in future also.

Thanking you,

Yours truly,


Mr. Vardhaman Bafna
Director - Formulations




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

Callidus Research Laboratories Pvt. Ltd.

Plot No. PAP-A-29/1, Chakan Industrial Area Phase IV, Village - Nighoje, Tal. Khed, Dist. Pune - 410 501. Maharashtra. (India)
Tel : + 91 -9970004680. E-mail : info@calliduslabs.com Website : www.calliduslabs.com



Date: 17th July 19

TO WHOMSOEVER IT MAY CONCERN

This is to Certify that Ms. Komal P. Gaikwad a student of PE society's Modern college of Pharmacy, SPPU, Pune has successfully completed around 11 months of plant/project training (4th June 18 to 17th May 19) at Callidus Research Laboratories pvt ltd in **Formulation Research and Development** department.

During her project training with us, we found her punctual, hardworking and inquisitive.

We wish her every success in his career.

For Callidus Research Labs, pvt ltd.

Authorized signatory



[Signature]
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

Callidus Research Laboratories Pvt. Ltd.

Plot no PAP-A-29/1, Chakan Industrial Area Phase IV - Nighoje, Tal. Khed, Dist: Pune, Maharashtra, 410501 (India)

Tel : +91 20-89000144 E-Mail : info@calliduslabs.com Website: www.calliduslabs.com



Report 3
Period of progress report-5 Dec to 5 march

Batch 3: 50 Sachet (Pass the API in 80# mesh and retain the 100# particle size are used in this batch)

| Sr. No. | Ingredient Name | Unit Qty (mg/tab) | Batch Qty(gm) |
|----------------------------|-------------------|-------------------|---------------|
| Intragranular part | | | |
| 1 | Stiripentol | 500 | 12.5 |
| 2 | Carmellose sodium | 2.00 | 0.0625 |
| 3 | Xanthan gum | 40 | 1.25 |
| Binder Solution | | | |
| 4 | Povidone | 5.0 | 0.125 |
| 5 | Purified Water | q.s. | q.s. |
| Extra granular part | | | |
| 6 | Sucrose | 1000 | 25 |
| 7 | Vanilla flavour | 10 | 0.25 |
| 8 | Aspartme | 5 | 0.125 |
| 9 | Erythrosine | 0.1 | 0.05 |
| 10 | Sucrolose | 10 | 0.25 |
| 11 | Titanium dioxide | 5 | 0.125 |

Proposed Manufacturing Process

Wet granulation, the process of adding a liquid solution to powders is one of the most common ways to granulate. Wet granulation is the usual process and the granulating fluid is water or an aqueous binder solution. There are two methods of incorporating the drug. The drug can be dry blended with the other excipients or it can be dissolved or suspended in the granulating fluid. Wet granulation usually consists of the following steps. The wet mass is formed into granules in one of the following before drying: vibratory sieve, Most often wet massing and screening is used. The formed granules are dried in a tray oven.

Manufacturing flow chart



Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



| Sr. NO. | Ingredient Name | Unit Qty (mg/tab) | Batch Qty(gm) |
|-------------------------|-------------------|-------------------|---------------|
| In granular part | | | |
| 1 | Stiripentol | 500 | 12.5 |
| 2 | Carmellose sodium | 2.00 | 0.0625 |
| 3 | Xanthan gum | 40 | 1.25 |
| Binder Solution | | | |
| 4 | Povidone | 5.0 | 0.125 |
| 5 | Purified Water | q.s. | q.s. |

The API and the excipient were accurately weighed as per the composition given in table no. and sieved API through 80# Mesh and retain in 100

↓
Addition of the Binder Solution (Povidone) was added to sufficient quantity of purified water to make 15% binder solution

↓
Granulation

↓
Pass The Granules in 30 #mesh

↓
Extra granular Part (Sucrose, Sucralose, Vanilia Flavour, Aspartme, Titanium Dioxide, pass the 40# mesh.)

↓
Blending (Mixing the Granules & Extra granular Portion) For 10 minute at 14 RPM in Cage Blender.



[Signature]
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Table : Formula for Selection of Sweetening Agents

| Sr. No. | Name of Ingredients | Unit quantity (mg) | T1 | T2 | T3 | T4 | T5 |
|---------|---------------------|--------------------|------|------|------|------|------|
| 1 | Stiripentol | 500 | 500 | 500 | 500 | 500 | 500 |
| 2 | Carmellose Sodium | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| 3 | Xanthan Gum | 40 | 40 | 40 | 40 | 40 | 40 |
| 4 | Povidone | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| 5 | sucrose | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| 6 | Vanilla | 10 | 10 | 10 | 10 | 10 | 10 |
| 7 | Sucrolose | 10 | 2.5 | 5 | 7.5 | 10 | 12.5 |
| 8 | Aspartme | 5 | 5 | 5 | 5 | 5 | 5 |
| 9 | Titanium Dioxide | 5 | 5 | 5 | 5 | 5 | 5 |





Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Table 6.11: Formula for Selection of Sweetening Agent

| Sr. No. | Name of Ingredients | Unit quantity (mg) | T1 | T2 | T3 | T4 | T5 |
|---------|---------------------|--------------------|------|------|------|------|------|
| 1 | Stiripentol | 500 | 500 | 500 | 500 | 500 | 500 |
| 2 | Carmellose Sodium | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| 3 | Xanthan Gum | 40 | 40 | 40 | 40 | 40 | 40 |
| 4 | Povidone | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| 5 | sucrose | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| 6 | Vanilla | 10 | 2.5 | 5 | 7.5 | 10 | 12.5 |
| 7 | Sucrolose | 10 | 10 | 10 | 10 | 10 | 10 |
| 8 | Aspartme | 5 | 5 | 5 | 5 | 5 | 5 |
| 9 | Titanium Dioxide | 5 | 5 | 5 | 5 | 5 | 5 |



[Signature]
Principal
P. E. S. Modern College of Pharmacy
Sector No. 21, Yamunanagar, Nigdi,
Pune - 411 044.



Date: 4th June 18

Callidus
We Care For You.....

APPOINTMENT LETTER AS PROJECT TRAINEE

Dear Ms. Komal Gaikwad

We are pleased to appoint you as a **Project Trainee** in **Formulation Research and Development Department** in Our Organization with effect from **4th June 18** on the following terms & conditions.

1. The Training shall be for a minimum period of 9 Months starting **4th June 2018**.
2. Your Training period shall over on **3rd March 2019** or upon completion of your project.
3. You will have to adhere with the Company's policies while working as a Project Trainee.
4. The company expects you to discharge your duties diligently and honestly & you should not disclose, utilize or divulge to any other company, firm or person, the affairs, process and techniques without written consent of the management.
5. You will have to maintain high personal integrity and moral conviction.
6. You will be bound to observe the rules of the office discipline and/or other instruction in force from time to time, to the entire satisfaction of your superiors. The company may terminate you without any notice in case of misconduct, breach of trust, loss of confidence, insubordination or for a similar cause.
7. The rules of the company, working hours etc. are subjected to change without any prior notice.
8. All documents, plans drawings, photos, reports, statements, formula, correspondence. etc. and also information and instructions that passed through you or come to your knowledge will be treated as confidential and you will bound to keep them secret and will not divulge or pass over them to anyone except to rightful discharge of your duties assigned by the company.

Please confirm and signify your acceptance of the terms and conditions stated above by signing duplicate copy of this letter. This offer is conditional upon your complying with the following.

For, Callidus research laboratories.


Authorized Signatory




Principal
P.E.S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

I, accept appointment on the terms and conditions as detailed above by.

Callidus Research Laboratories Pvt. Ltd.

Plot no PAP-A-29/1, Chakan Industrial Area Phase IV - Nighoje, Tal. Khed, Dist. Pune, Maharashtra, 410501 (India)
Signature: Tel : +91 20-69000144 E-Mail : info@calliduslabs.com Website: www.calliduslabs.com



Date: 17th July 19

TO WHOMSOEVER IT MAY CONCERN

This is to Certify that Ms. Samiksha P. Tayade a student of PE society's Modern college of Pharmacy, SPPU, Pune has successfully completed around 11 months of plant/project training (4th June 18 to 17th May 19) at Callidus Research Laboratories pvt ltd in **Formulation Research and Development department.**


During her project training with us, we found her punctual, hardworking and inquisitive.

We wish her every success in his career.

For Callidus Research Labs, pvt ltd.

Authorized signatory




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

Callidus Research Laboratories Pvt. Ltd.

Plot no PAP-A-29/1, Chakan Industrial Area Phase IV - Nighoje, Tal. Khed, Dist. Pune, Maharashtra, 410501 (India)
Tel : +91 20-69000144 E-Mail : info@calliduslabs.com Website: www.calliduslabs.com



APPOINTMENT LETTER AS PROJECT TRAINEE

Dear Ms. Samiksha P. Tayade

We are pleased to appoint you as a Project Trainee in Formulation Research and Development Department in Our Organization with effect from 4th June 18 on the following terms & conditions.


1. The Training shall be for a minimum period of 9 Months starting 4th June 2018.
2. Your Training period shall over on 3rd March 2019 or upon completion of your project.
3. You will have to adhere with the Company's policies while working as a Project Trainee.
4. The company expects you to discharge your duties diligently and honestly & you should not disclose, utilize or divulge to any other company, firm or person, the affairs, process and techniques without written consent of the management.
5. You will have to maintain high personal integrity and moral conviction.
6. You will be bound to observe the rules of the office discipline and/or other instruction in force from time to time, to the entire satisfaction of your superiors. The company may terminate you without any notice in case of misconduct, breach of trust, loss of confidence, insubordination or for a similar cause.
7. The rules of the company, working hours etc. are subjected to change without any prior notice.
8. All documents, plans drawings, photos, reports, statements, formula, correspondence. etc. and also information and instructions that passed through you or come to your knowledge will be treated as confidential and you will bound to keep them secret and will not divulge or pass over them to anyone except to rightful discharge of your duties assigned by the company.

Please confirm and signify your acceptance of the terms and conditions stated above by signing duplicate copy of this letter. This offer is conditional upon your complying with the following.

For, Callidus research laboratories

Authorized Signatory




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

I, accept appointment on the terms and conditions as detailed above by.

Callidus Research Laboratories Pvt. Ltd.



Date: 17th July 19

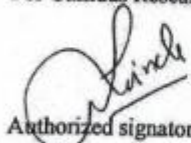
TO WHOMSOEVER IT MAY CONCERN

This is to Certify that Ms. Shivani R. Kalokhe a student of PE society's Modern college of Pharmacy, SPPU, Pune has successfully completed around 10 months of plant/project training (11th June 18 to 22th March 19) at Callidus Research Laboratories pvt ltd in **Analytical Research and Development department.**


During her project training with us, we found her punctual, hardworking and inquisitive.

We wish her every success in his career.

For Callidus Research Labs, pvt ltd.


Authorized signatory




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

Callidus Research Laboratories Pvt. Ltd.

Plot no PAP-A-29/1, Chakan Industrial Area Phase IV - Nighoje, Tal. Khed, Dist. Pune, Maharashtra, 410501 (India)
Tel : +91 20-69000144 E-Mail : info@calliduslabs.com Website: www.calliduslabs.com



Callidus
We Care for You.....

Date: 11th June 18

APPOINTMENT LETTER AS PROJECT TRAINEE

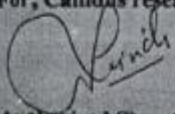
Dear Ms. Shivani R. Kalokhe


We are pleased to appoint you as a **Project Trainee in Analytical Research and Development Department** in Our Organization with effect from **11th June 18** on the following terms & conditions.


1. The Training shall be for a minimum period of 9 Months starting **11th June 2019**.
2. Your Training period shall over on **8th March 2019** upon completion of your project.
3. You will have to adhere with the Company's policies while working as a Project Trainee.
4. The company expects you to discharge your duties diligently and honestly & you should not disclose, utilize or divulge to any other company, firm or person, the affairs, process and techniques without written consent of the management.
5. You will have to maintain high personal integrity and moral conviction.
6. You will be bound to observe the rules of the office discipline and/or other instruction in force from time to time, to the entire satisfaction of your superiors. The company may terminate you without any notice in case of misconduct, breach of trust, loss of confidence, insubordination or for a similar cause.
7. The rules of the company, working hours etc. are subjected to change without any prior notice.
8. All documents, plans drawings, photos, reports, statements, formula, correspondence, etc. and also information and instructions that passed through you or come to your knowledge will be treated as confidential and you will bound to keep them secret and will not divulge or pass over them to anyone except to rightful discharge of your duties assigned by the company.


Please confirm and signify your acceptance of the terms and conditions stated above by signing duplicate copy of this letter. This offer is conditional upon your complying with the following

For, Callidus research laboratories.


Authorized Signatory






E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

I, accept appointment on the terms and conditions as detailed above by.

Callidus Research Laboratories Pvt. Ltd.

Plot no PAP-A-29/1, Chakan Industrial Area Phase IV - Nigohje, Tal. Khed, Dist. Pune, Maharashtra, 410501 (India)

Signature: Tel : +91 20-69000144 E-Mail : info@calliduslabs.com Website: www.calliduslabs.com



Date: 17th July 19

TO WHOMSOEVER IT MAY CONCERN


This is to Certify that Ms. Snehal A. Kumbhar a student of PE society's Modern college of Pharmacy, SPPU, Pune has successfully completed around 11 months of plant/project training (11th June 18 to 4th May 19) at Callidus Research Laboratories pvt ltd in Analytical Research and Development department.

During her project training with us, we found her punctual, hardworking and inquisitive. We wish her every success in his career.

For Callidus Research Labs, pvt ltd.


Authorized signatory




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

Callidus Research Laboratories Pvt. Ltd.

Plot no PAP-A-29/1, Chakan Industrial Area Phase IV - Nigohje, Tal. Khed, Dist. Pune, Maharashtra, 410501 (India)
Tel : +91 20-69000144 E-Mail : info@calliduslabs.com Website: www.calliduslabs.com



Date: 1st June 18

APPOINTMENT LETTER AS PROJECT TRAINEE


Dear Ms. Snehal Kumbhar

We are pleased to appoint you as a Project Trainee in Analytical Research and Development Department in Our Organization with effect from 11th June 18 on the following terms & conditions.


1. The Training shall be for a minimum period of 9 Months starting 11th June 18.
2. Your Training period shall over on 8th March 2019 upon completion of your project.
3. You will have to adhere with the Company's policies while working as a Project Trainee.
4. The company expects you to discharge your duties diligently and honestly & you should not disclose, utilize or divulge to any other company, firm or person, the affairs, process and techniques without written consent of the management.
5. You will have to maintain high personal integrity and moral conviction.
6. You will be bound to observe the rules of the office discipline and/or other instruction in force from time to time, to the entire satisfaction of your superiors. The company may terminate you without any notice in case of misconduct, breach of trust, loss of confidence, insubordination or for a similar cause.
7. The rules of the company, working hours etc. are subjected to change without any prior notice.
8. All documents, plans drawings, photos, reports, statements, formula, correspondence. etc. and also information and instructions that passed through you or come to your knowledge will be treated as confidential and you will bound to keep them secret and will not divulge or pass over them to anyone except to rightful discharge of your duties assigned by the company.

Please confirm and signify your acceptance of the terms and conditions stated above by signing duplicate copy of this letter. This offer is conditional upon your complying with the following.

For, Callidus research laboratories.


Authorized Signatory




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

I, accept appointment on the terms and conditions as detailed above by.

Callidus Research Laboratories Pvt. Ltd.

Plot no PAP-A-29/1, Chakan Industrial Area Phase IV - Nigohje, Tal. Khed, Dist. Pune, Maharashtra, 410501 (India)
Signature: Tel : +91 20-69000144 E-Mail : info@calliduslabs.com Website: www.calliduslabs.com



Callidus
We Care for You.....

Date: 17th July 19


TO WHOMSOEVER IT MAY CONCERN

This is to Certify that Ms. Poonam B. Raskar a student of PE society's Modern college of Pharmacy, SPPU, Pune has successfully completed around 11 months of plant/project training (11th June 18 to 20th May 19) at Callidus Research Laboratories pvt ltd in Analytical Research and Development department.


During her project training with us, we found her punctual, hardworking and inquisitive.

We wish her every success in his career.

For Callidus Research Labs, pvt ltd.


Authorized signatory




Principal
P.E.S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

Callidus Research Laboratories Pvt. Ltd.

Plot no PMP-A-29/1, Chakan Industrial Area Phase IV - Nighoje, Tal. Khed, Dist. Pune, Maharashtra, 410501 (India)
Tel : +91 20-69000144 E-Mail : info@calliduslabs.com Website: www.calliduslabs.com



Date: 11th June 18

APPOINTMENT LETTER AS PROJECT TRAINEE

Dear Ms. Poonam Raskar

We are pleased to appoint you as a Project Trainee in Analytical Research and Development Department in Our Organization with effect from 11th June 18 on the following terms & conditions.

1. The Training shall be for a minimum period of 9 Months starting 11th June 18.
2. Your Training period shall over on 8th March 2019 upon completion of your project.
3. You will have to adhere with the Company's policies while working as a Project Trainee.
4. The company expects you to discharge your duties diligently and honestly & you should not disclose, utilize or divulge to any other company, firm or person, the affairs, process and techniques without written consent of the management.
5. You will have to maintain high personal integrity and moral conviction.
6. You will be bound to observe the rules of the office discipline and/or other instruction in force from time to time, to the entire satisfaction of your superiors. The company may terminate you without any notice in case of misconduct, breach of trust, loss of confidence, insubordination or for a similar cause.
7. The rules of the company, working hours etc. are subjected to change without any prior notice.
8. All documents, plans drawings, photos, reports, statements, formula, correspondence. etc. and also information and instructions that passed through you or come to your knowledge will be treated as confidential and you will bound to keep them secret and will not divulge or pass over them to anyone except to rightful discharge of your duties assigned by the company.

Please confirm and signify your acceptance of the terms and conditions stated above by signing duplicate copy of this letter. This offer is conditional upon your complying with the following.

For, Callidus research laboratories.

Authorized Signatory



Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

I, accept appointment on the terms and conditions as detailed above by.

Callidus Research Laboratories Pvt. Ltd.

Plot no PAP-A-29/1, Chakan Industrial Area Phase IV - Nigohje, Tal. Khed, Dist. Pune, Maharashtra, 410501 (India)
Signature: Tel : +91 20-69000144 E-Mail : info@calliduslabs.com Website: www.calliduslabs.com



Date: 17th July 19

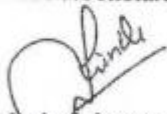
TO WHOMSOEVER IT MAY CONCERN

This is to Certify that Ms. Dhanashri K. Joshi a student of PE society's Modern college of Pharmacy, SPPU, Pune has successfully completed around 11 months of plant/project training (4th June 18 to 17th May 19) at Callidus Research Laboratories pvt ltd in Formulation Research and Development department.


During her project training with us, we found her punctual, hardworking and inquisitive.

We wish her every success in his career.

For Callidus Research Labs, pvt ltd.


Authorized signatory




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

Callidus Research Laboratories Pvt. Ltd.

Plot no PAP-A-29/1, Chakan Industrial Area Phase IV - Nighoje, Tal. Khed, Dist. Pune, Maharashtra, 410501 (India)
Tel : +91 20-69000144 E-Mail : info@calliduslabs.com Website: www.calliduslabs.com



intern

Callidus
We Care for You.....

APPOINTMENT LETTER AS PROJECT TRAINEE

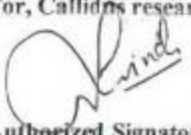
Dear Ms. Dhannshri K. Joshi


We are pleased to appoint you as a **Project Trainee** in **Formulation Research and Development Department** in Our Organization with effect from **5th June 18** on the following terms & conditions.


1. The Training shall be for a minimum period of 9 Months starting **5th June 2018**.
2. Your Training period shall over on **4th March 2019** or upon completion of your project.
3. You will have to adhere with the Company's policies while working as a Project Trainee.
4. The company expects you to discharge your duties diligently and honestly & you should not disclose, utilize or divulge to any other company, firm or person, the affairs, process and techniques without written consent of the management.
5. You will have to maintain high personal integrity and moral conviction.
6. You will be bound to observe the rules of the office discipline and/or other instruction in force from time to time, to the entire satisfaction of your superiors. The company may terminate you without any notice in case of misconduct, breach of trust, loss of confidence, insubordination or for a similar cause.
7. The rules of the company, working hours etc. are subjected to change without any prior notice.
8. All documents, plans drawings, photos, reports, statements, formula, correspondence. etc. and also information and instructions that passed through you or come to your knowledge will be treated as confidential and you will bound to keep them secret and will not divulge or pass over them to anyone except to rightful discharge of your duties assigned by the company.


Please confirm and signify your acceptance of the terms and conditions stated above by signing duplicate copy of this letter. This offer is conditional upon your complying with the following.

For, Callidus research laboratories.


Authorized Signatory






Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044

I, accept appointment on the terms and conditions as detailed above by.

Callidus Research Laboratories Pvt. Ltd.
Plot no PAP-A-29/1, Chakan Industrial Area Phase IV - Nighoje, Tal. Khed, Dist. Pune, Maharashtra, 410501 (India)
Signature: Tel : +91 20-89000144 E-Mail : info@calliduslabs.com Website: www.calliduslabs.com



**P. E. Society's
Modern College of Pharmacy Nigdi-44**

Industry Visit 2018-19

Notice

Date: 28/02/2019

All Teaching faculty, Non teaching staff and students of B Pharm are hereby informed that, our college has organize industry visit for B. Pharm studentrs, the details of visit are as follows

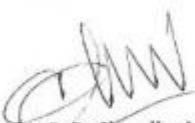
Name of Place : Callidus Research Labs Nighoje, Maharashtra Pune 410501

Name of class : Fibal year B. Pharm

Date: 02/ 03/2019 (Saturday)

Time for departure from college: 9 am onwards

Selected students: list attached


Dr. P. D. Chaudhari
Principal

Copy to

1. Academic section
2. Class teacher
3. Exam section
4. Office
5. Circulation to all faculty
6. Circulation to all students



Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



PES Modern College of Pharmacy, Nigdi, Pune-44

Attendance of students for Industry Visit

Venue: Callidus Research Labs Nighoje, Maharashtra Pune Class: Final Year B Pharm
Date: 02/02/2019 Time 9:00 am onwards

| Sr. No | Name of Students | Signature |
|--------|-----------------------|-----------|
| 1. | Radhika Baheti | |
| 2. | Surbhi Gupta | |
| 3. | Jagruti Patil | |
| 4. | Mukesh Choudhary | |
| 5. | Kundan Choudhary | |
| 6. | Mayur Patil | |
| 7. | Sayali Kulkarni | |
| 8. | Ashiya Mulani | |
| 9. | Shailesh Lekhwani | |
| 10. | Shraddha Divase | |
| 11. | Kshanali Gaikwad | |
| 12. | Rucha Kulkarni | |
| 13. | Aarti Shingan | |
| 14. | Swapnil Pattewar | |
| 15. | Nikhil Gabhale | |
| 16. | Monika Patil | |
| 17. | Priti Khanapure | |
| 18. | Vaibhav raut | |
| 19. | Bhagyashree Sarangkar | |
| 20. | Jadhav Nikita | |
| 21. | Rohit J. Waghmare | |
| 22. | Chavan Shilekha | |

Dr V V Chopade
Industrial visit Incharge

Dr P S Uttekar
Alumni incharge



Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



P.E.Society's
Modern College of Pharmacy, Nigdi. Pune-44


REPORT OF INDUSTRY VISIT 2018-19

| | | |
|-----|-------------------------------|--|
| 1. | Name of activity: | Industry visit for B. Pharm students |
| 2. | Name of Industry | Callidus Research Labs Nighoje, Maharashtra Pune |
| 3. | Date of activity | 02/ 03/2019 |
| 4. | Total no students participate | 22 |
| 5. | Occasion of activity | Industry Academic Interaction |
| 6. | Place of visit | Manufacturing unit/ QAQC dept |
| 7. | Objectives of activity | <ol style="list-style-type: none">1. To get pharmacy knowledge, planning abilities, problem analysis, modern tool usage, professional identity, pharmaceutical ethics, communication, environment and sustainability, life-long learning.2. To know working procedure of manufacturing unit and QAQC dept of Pharmaceutical industry3. To get importance of accuracy in practical's experiments4. How to operate equipments in pharma industry. |
| 8. | Training given by | Ms. Sweet Singh, Asst Manager Ms Mokshda Wable, Asst Manager |
| 9. | Name of faculty with students | Dr V V Chopade Dr Pravin Uttkar, |
| 10. | Activity co-coordinator | :Dr. Vitthal V Chopade and Dr Pravin Uttkar |



Dr. V V Chopade




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



2019-2020

**P. E. Society's
Modern College of Pharmacy Nigdi-44**

Industry Visit 2019-20

Notice

Date: 24/02/2020


All Teaching faculty, Non-teaching staff and students of M Pharm are hereby informed that, our college has organize industry visit for M. Pharm students, the details of visit are as follows

Name of Place: Callidus Research Labs Nighoje MIDC, Maharashtra Pune 410501

Name of class: M. Pharm

Date: 29/ 02/2020 (Saturday)

Time for departure from college: 10 am


Dr. V. V. Chopade
Industry visit incharge

Copy to

1. Academic section
2. Class teachers
3. Office


Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



PES Modern College of Pharmacy, Nigdi, Pune-44

Attendance of students for Industry Visit

Venue: Call idus Research Labs Pvt Ltd Maharashtra Pune Class: M Pharm

Date: 29/02/2020

Time 11:15 am onwards

| Sr. No | Name of Students | Signature |
|--------|------------------------------------|---|
| 1. | Radhika Baheti | <i>Baheti</i> |
| 2. | Surbhi Gupta | <i>Surbhi G.</i> |
| 3. | Abhijeet Thorat | <i>Abhijeet</i> |
| 4. | Rahul Dighe | <i>Rahul Dighe</i> |
| 5. | Harshada Varpe | <i>Harshada Varpe</i> |
| 6. | Nishigandha Nigade | <i>Nishigandha Nigade</i> |
| 7. | Aishwarya Gosavi | <i>Aishwarya Gosavi</i> |
| 8. | Manorama yadav | <i>Manorama yadav</i> |
| 9. | Priyanka Tambe | <i>Priyanka Tambe</i> |
| 10. | Bhakti Dalvi | <i>Bhakti Dalvi</i> |
| 11. | Kajal Darje | <i>Ab</i> |
| 12. | Arun Mahajan | <i>Arun Mahajan</i> |
| 13. | Mayuri Tapkir | <i>Ab</i> |
| 14. | Devika Lomte | <i>Devika Lomte</i> |
| 15. | Banirav Morale | <i>Ab</i> |
| 16. | Vishnu Padvi | <i>Vishnu Padvi</i> |
| 17. | Rathod Mallinath Prathamesh Gunjal | <i>Rathod Mallinath Prathamesh Gunjal</i> |
| 18. | Prashant Bhoir | <i>Prashant Bhoir</i> |
| 19. | Diksha Kamble | <i>Diksha Kamble</i> |
| 20. | Harshada Madke | <i>—</i> |

Dr. V. V. Chopade
Dr. V. V. Chopade
Industry visit incharge



Dr. P. D. Chaudhari
Dr. P. D. Chaudhari
Principal

Principal
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



P.E.Society's
Modern College of Pharmacy, Nigdi. Pune-44

REPORT OF INDUSTRY VISIT 2019-20

| | | |
|-----|-------------------------------|---|
| 1. | Name of activity: | Industry visit for students |
| 2. | Name of Industry | Callidus Research Labs Nighoje, Maharashtra Pune |
| 3. | Date of activity | 29/02/2020 |
| 4. | Total no students participate | 22 |
| 5. | Occasion of activity | Industry Academic Interaction |
| 6. | Place of visit | Manufacturing unit/ QAQC dept |
| 7. | Objectives of activity | <ol style="list-style-type: none">1. To get pharmacy knowledge, planning abilities, problem analysis, modern tool usage, professional identity, pharmaceutical ethics, communication, environment and sustainability, life-long learning.2. To know working procedure of manufacturing unit and QAQC dept of Pharmaceutical industry3. To get importance of accuracy in practical's experiments4. How to operate equipment's in pharma industry. |
| 8. | Training given by | Mr Vardhama Bafna Director of Callidus Research Labs |
| 9. | Name of faculty with students | Dr Smita Pimple Dr V V Chopade |
| 10. | Activity co-coordinator | Dr. Vitthal V Chopade |




Dr. V. V. Chopade
Industry Visit Incharge

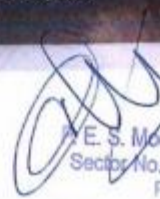

Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Photo



18.717110; 73.607938 NW 9833
29.02.2020 11:29
S.v. no.110 tomrevaasti Naw kranti, Mitra Mandal
Rd, Pune, Maharashtra 411013, India


Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044



Callidus
We Care for You

To,
Principal
PES Modern College of Pharmacy, Nigdi, Pune

Dear Sir,

We, Callidus Research Laboratories are hereby certifying that, Prof. Upendra Galgatte has underwent the hands- on training in our formulation development department during the period of 03/06/2019 to 08/06/2019. We hope the interaction provoked the knowledge sharing and ideas exchange amongst us.

This training was the part of our MOU and tie up with your college.

We assure the same activity in future also.

Thanking you,

Yours truly,

Mr. Vardhaman Bafna
Director - Formulations



Principal
P. E. S. Modern College of Pharmacy
Sector No.24, Yamunanagar, Nigdi,
Pune - 411 044.

Callidus Research Laboratories Pvt. Ltd.

Plot No. PAP-A-29/1, Chakan Industrial Area Phase IV, Village - Nighoje, Tal. Khed, Dist. Pune - 410 501. Maharashtra. (India)
Tel : + 91 -9970004680. E-mail : info@calliduslabs.com. Website : www.calliduslabs.com



Callidus
We Care for You

To,
Principal
PES Modern College of Pharmacy, Nigdi, Pune

Dear Sir,


We, Callidus Research Laboratories are hereby certifying that, Prof. Pravin Uttekar has undergone the hands- on training in our formulation development department during the period of 03/06/2019 to 08/06/2019. We hope the interaction provoked the knowledge sharing and ideas exchange amongst us.

This training was the part of our MOU and tie up with your college.


We assure the same activity in future also.

Thanking you,

Yours truly,


Mr. Vardhaman Bafna
Director - Formulations




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

Callidus Research Laboratories Pvt. Ltd.

Plot No. PAP-A-29/1, Chakan Industrial Area Phase IV, Village - Nighoje, Tal. Khed, Dist. Pune - 410 501, Maharashtra, (India)
Tel : + 91 -9970004680. E-mail : info@calliduslabs.com Website : www.calliduslabs.com



Callidus
We Care for You

To,
Principal
PES Modern College of Pharmacy, Nigdi, Pune

Dear Sir,


We, Callidus Research Laboratories are hereby certifying that, Prof. Anuradha G. More has undergone the hands- on training in our formulation development department during the period of 03/06/2019 to 08/06/2019. We hope the interaction provoked the knowledge sharing and ideas exchange amongst us.

This training was the part of our MOU and tie up with your college.

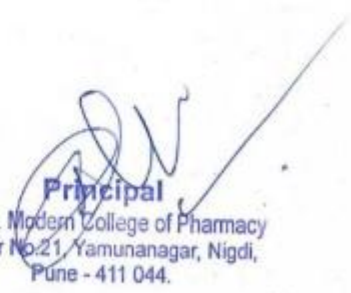
We assure the same activity in future also.

Thanking you,

Yours truly,


Mr. Vardhaman Bafna
Director – Formulations




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

Callidus Research Laboratories Pvt. Ltd.

Plot No. PAP-A-29/1, Chakan Industrial Area Phase IV, Village - Nighoje, Tal. Khed, Dist. Pune - 410 501, Maharashtra. (India)
Tel : + 91 -9970004680. E-mail : info@calliduslabs.com Website : www.calliduslabs.com



Callidus
We Care for You

To,
Principal
PES Modern College of Pharmacy, Nigdi, Pune

Dear Sir,


We, Callidus Research Laboratories are hereby certifying that, Prof. Angira G. Purohit has underwent the hands-on training in our formulation development department during the period of 27/05/2019 to 01/06/2019. We hope the interaction provoked the knowledge sharing and ideas exchange amongst us.

This training was the part of our MOU and tie up with your college.

We assure the same activity in future also.

Thanking you,

Yours truly,


Mr. Vardhaman Bafna
Director - Formulations




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

Callidus Research Laboratories Pvt. Ltd.

Plot No. PAP-A-29/1, Chakan Industrial Area Phase IV, Village - Nighoje, Tal. Khed, Dist. Pune - 410 501. Maharashtra. (India)
Tel : + 91 - 9970004680. E-mail : info@calliduslabs.com Website : www.calliduslabs.com

2020-2021

Journal of Chromatographic Science, 2021, 1–11
doi: 10.1093/chromsci/bmaa125
Article



Article

Development and Validation of a Stability-Indicating High-Performance Liquid Chromatographic Method for the Quantification of Methocarbamol and Its Impurities in Pharmaceutical Dosage Forms

Shivani Kalokhe^{1,*}, Santaji Nalwade², Pallavi Patil¹, and Poonam Raskar¹

¹Modern College of Pharmacy, Nigdi, QAT, Pune, Maharashtra 412109, India, and ²Callidus Research Laboratories Pvt. Ltd, PAP-A-29/1, Chakan Industrial Area Phase-IV, Nighe, Tal-Khed, Pune, Maharashtra 410501, India

*Author to whom correspondence should be addressed. Email: shivani123kalokhe@gmail.com

Received 11 February 2020; Editorial Decision 30 November 2020

Abstract

A novel, delicate, stability-indicating, gradient, reversed-phase high-performance liquid chromatographic method has been established for the quantitative estimation of methocarbamol (MTC) and its impurities present in a pharmaceutical oral suspension. XBridge C18, 5 μ m, 250 mm \times 4.6 mm column was used to accomplish chromatographic separation with a buffered mobile phase consisting of a mixture of 0.01 M of sodium dihydrogen phosphate (pH 7.0 buffer) and methanol in the ratio of 95:05 (v/v), respectively, were used as solvent A and a mixture of methanol and Milli-Q water in the ratio 90:10 (v/v), respectively, was used as solvent B. Analysis was carried out at 0.8 mL/min flow rate and the detection wavelength at 225 nm. The compartment temperature of the column is put at 25°C. The resolution of MTC and its four impurities has been attained >2.0 for all pairs of compounds. Significant degradation of MTC was photolytic, thermal and oxidative stress conditions. Validation of the developed method was performed as stated by the International Conference on Harmonization guidelines with regard to all validation parameters like specificity, accuracy, linearity, precision, limit of detection, limit of quantitation and robustness.

Introduction

Methocarbamol (MTC) belongs to the group of medicine known as muscle relaxants (1). MTC is a carbamate derivative of guaifenesin, have a central nervous system depressant with sedative and musculoskeletal relaxant properties (1). MTC is a short-term adjunct to symptomatic treatment of acute musculoskeletal disorders coupled with painful muscle spasms. Its chemical designation is 2-hydroxy-3-(2-methoxyphenoxy) propan-1-carbamate (2) (Figure 1). Four probable related compounds (degradants and procedure-linked impurities) are methocarbamol MTC isomer, guaifenesin β -isomer and MTC dioxolan-2-one (3), respectively (Figures 2–5).

having chemical names as 3-(2-methoxyphenoxy)-1,2-propanediol, 1-hydroxy-3-(2-methoxyphenoxy)propan-2-ylcarbamate (3), 2-(2-methoxyphenoxy)-1,3-propanediol and 4-[(2-methoxyphenoxy)-methyl]-1,3-dioxolan-2-one (3), respectively (Figures 2–5).

It is fundamental to develop a method intended for the quantification and to increase the resolution of impurities present in pharmaceutical formulation. In the literature survey, it was found that for the analysis of assay of MTC, various ultraviolet (UV), high-performance liquid chromatography (HPLC) and spectrophotometric methods have been reported (4–6), but until today, in the literature, HPLC method for quantification of the impurities present in MTC oral suspension 750 mg/mL has not been described. The

© The Author(s) 2021. Published by Oxford University Press. All rights reserved. For Permissions, please email: journals.permissions@oup.com



Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Callidus
We Care for You

To,
Principal
PES Modern College of Pharmacy, Nigdi, Pune

Dear Sir,

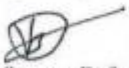
We, Callidus Research Laboratories are hereby certifying that, Prof. Karima S. Shaikh has undergone the hands- on training in our formulation development department during the period of 04/05/2021 to 09/05/2021. We hope the interaction provoked the knowledge sharing and ideas exchange amongst us.

This training was the part of our MOU and tie up with your college.


We assure the same activity in future also.

Thanking you,

Yours truly,


Mr. Vardhaman Bafna
Director - Formulations




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

Callidus Research Laboratories Pvt. Ltd.

Plot No. PAP-A-29/1, Chakan Industrial Area Phase IV, Village - Nighoje, Tal. Khed, Dist. Pune - 410 501. Maharashtra. (India)
Tel : + 91 - 9970004680 E-mail : info@calliduslabs.com Website : www.calliduslabs.com



To,
Principal
PES Modern College of Pharmacy, Nigdi, Pune

Dear Sir,

We, Callidus Research Laboratories are hereby certifying that, Prof. Ujjwala S. Desai has undergone the hands- on training in our formulation development department during the period of 03/05/2021 to 08/05/2021. We hope the interaction provoked the knowledge sharing and ideas exchange amongst us.

This training was the part of our MOU and tie up with your college.

We assure the same activity in future also.

Thanking you,

Yours truly,

Mr. Vardhaman Bafna
Director - Formulations




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

Callidus Research Laboratories Pvt. Ltd.

Plot No. PAP-A-29/1, Chakan Industrial Area Phase IV, Village - Nighoje, Tal. Khed, Dist. Pune - 410 501. Maharashtra. (India)
Tel : + 91 -9970004680 Email : info@calliduslabs.com Website : www.calliduslabs.com



To,
Principal
PES Modern College of Pharmacy, Nigdi, Pune

Dear Sir,


We, Callidus Research Laboratories are hereby certifying that, Prof. Devendra L. Visokar has underwent the hands- on training in our formulation development department during the period of 24/05/2021 to 30/05/2021. We hope the interaction provoked the knowledge sharing and ideas exchange amongst us.

This training was the part of our MOU and tie up with your college.


We assure the same activity in future also.

Thanking you,

Yours truly,


Mr. Vardhaman Bafna
Director - Formulations




Principal
P.E.S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.


Callidus Research Laboratories Pvt. Ltd.

Plot No. PAP-A-29/1, Chakan Industrial Area Phase IV, Village - Nighoje, Tal. Khed, Dist. Pune - 410 501. Maharashtra. (India)

Tel : + 91 -9970004680 E-mail : info@calliduslabs.com Website : www.calliduslabs.com



2021-2022


We Care for You

To,
Principal
PES Modern College of Pharmacy, Nigdi, Pune

Dear Sir,


We, Callidus Research Laboratories are hereby certifying that, Prof. Nikita M. Gaikwad has undergone the hands- on training in our formulation development department during the period of 01/06/2021 to 06/06/2021. We hope the interaction provoked the knowledge sharing and ideas exchange amongst us.



This training was the part of our MOU and tie up with your college.

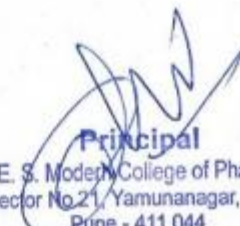
We assure the same activity in future also.

Thanking you,

Yours truly,


Mr. Vardhaman Bafna
Director - Formulations


Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

Callidus Research Laboratories Pvt. Ltd.
Plot No. PAP-A-29/1, Chakan Industrial Area Phase IV, Village - Nighoje, Tal. Khed, Dist. Pune - 410 501. Maharashtra. (India)
Tel : + 91 -9970004680 E-mail : info@calliduslabs.com Website : www.calliduslabs.com



Callidus
We Control The Process


Date: 1st June 2022

TO WHOMSOEVER IT MAY CONCERN


This is to Certify that Ms. Shraddha R. Lakambare a student of P.E.S. Modern College of Pharmacy Nigdi Pune has successfully completed plant/project training (27th September 2021 to 1st June 2022) at Callidus Research Laboratories Pvt Ltd Pune in Formulation Research and Development department.



During her project training with us, we found her punctual, hardworking and inquisitive.

We wish her every success in her career.

 TRUE COPY
श्री महेश सूर्यकांत विद्यारे
प्लॉट नं. 14, गुजरात कॉलनी
कोयलड, पुणे-38. अनु क्र. 2505

For Callidus Research Laboratories, Pvt Ltd.


Authorized signatory

 
Principal
P. E. S. Modern College of Pharmacy,
Sector No. 21, Yamunanagar, Nigdi,
Pune - 411 044.

Callidus Research Laboratories Pvt. Ltd.

Plot No. PAP-A-29/1, Chakan Industrial Area Phase IV, Village - Nigohje, Tal. Khed, Dist. Pune - 410 501. Maharashtra. (India)
Tel : + 91 -9970004680, E-mail : info@calliduslabs.com, Website : www.calliduslabs.com



**Progressive Education Society's Modern college of Pharmacy, Nigdi,
Yamunanagar, Pune-411044**

Industrial Project / Training Progress Report

Student name: Lakambare Shraddha Rajesh

Department: Pharmaceutics

Class / Sem: 2nd Yr. /4th Sem.

Roll No: PH-212

Name and Address of Company: Callidus Research Laboratories Pvt. Ltd., Chakan industrial area phase IV, Nighoje, Khed, Pune 410501


Industrial project training period: October 2021 – May 2022


Title of project: Formulation development and evaluation of empagliflozin film coated tablet using QbD approach

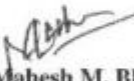
Progress Report: October - 2021


Week wise work done: SOP training and calibration of IPQC instruments

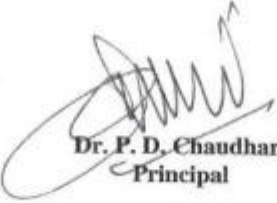
| Week | Work Done |
|--------|--|
| Week 1 | Quality assurance SOP training |
| Week 2 | Formulation development SOP training |
| Week 3 | Understood calibration of IPQC instruments |
| Week 4 | Performed calibration of IPQC instruments |


Ms. Shraddha R. Lakambare
Student

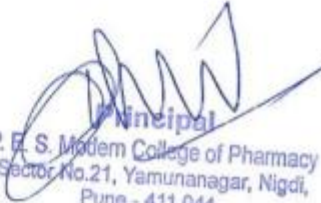

Dr. Atul A Phatak
College Guide


Mr. Mahesh M. Bhadgale
Industry Guide representative


Dr. Mrs. Karimunnisa S. Shaikh
College Training In-Charge


Dr. P. D. Chaudhari
Principal




P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



**Progressive Education Society's Modern college of Pharmacy, Nigdi,
Yamunanagar, Pune-411044**

Industrial Project / Training Progress Report

Student name: Lakambare Shraddha Rajesh

Department: Pharmaceutics

Class / Sem: 2nd Yr. /4th Sem.

Roll No: PH-212

Name and Address of Company: Callidus Research Laboratories Pvt. Ltd., Chakan industrial area phase IV, Nighoje, Khed, Pune 410501


Industrial project training period: October 2021 – May 2022

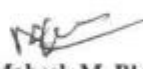
Title of project: Formulation development and evaluation of empagliflozin film coated tablet using QbD approach


Progress Report: November - 2021

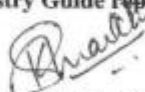
Week wise work done: Handling of instruments

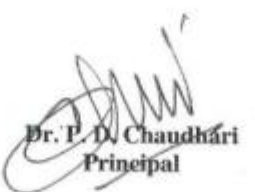
| Week | Work Done |
|--------|---|
| Week 1 | Learned handling of granulator and dryer |
| Week 2 | Learned handling of milling machine and blender |
| Week 3 | Learned handling of tablet compression machine and coating machine |
| Week 4 | Learned handling of dissolution test apparatus and UV Visible spectrophotometer |


Ms. Shraddha R. Lakambare
Student



Mr. Mahesh M. Bhadgale
Industry Guide representative


Dr. Atul A Phatak
College Guide


Dr. Mrs. Karimunnisa S. Shaikh
College Training In-Charge


Dr. P. D. Chaudhari
Principal




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



**Progressive Education Society's Modern college of Pharmacy, Nigdi,
Yamunanagar, Pune-411044**

Industrial Project / Training Progress Report

Student Name: Lakambare Shraddha Rajesh

Department: Pharmaceutics

Class / Sem: 2nd Yr. /4th Sem.

Roll No: PH-212

Name and Address of Company: Callidus Research Laboratories Pvt. Ltd., Chakan industrial area phase IV, Nighoje, Khed, Pune 410501


Industrial project training period: October 2021 – May 2022


Title of project: Formulation development and evaluation of empagliflozin film coated tablet using QbD approach


Progress report: December - 2021


Week wise work done: Literature review and procurement of API and excipients.

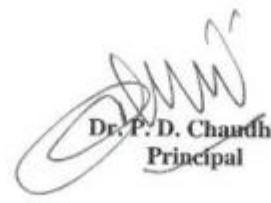
| Week | Work Done |
|--------|--|
| Week 1 | Finalization of project topic |
| Week 2 | Conducted literature survey |
| Week 3 | Selection of API and excipients. |
| Week 4 | Procurement of API and excipients from vendors |


Ms. Shraddha R. Lakambare
Student



Dr. Atul A Phatak
College Guide


Mr. Mahesh M. Bhadgale
Industry Guide representative


Dr. Mrs. Karimunnisa S. Shaikh
College Training In-Charge


Dr. P. D. Chaudhari
Principal




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune-411 044.



Progressive Education Society's Modern college of Pharmacy, Nigdi,
Yamunanagar, Pune-411044

Industrial Project / Training Progress Report

Student Name: Lakambare Shraddha Rajesh

Department: Pharmaceutics

Class / Sem: 2nd Yr. /4th Sem.

Roll No: PH-212

Name and Address of Company: Callidus Research Laboratories Pvt. Ltd., Chakan industrial area phase IV, Nighoje, Khed, Pune 410501

Industrial project training period: October 2021 – May 2022

Title of project: Formulation development and evaluation of empagliflozin film coated tablet using QbD approach

Progress Report: January - 2022

Week wise work done: API characterization and DEC study

| Week | Work Done |
|--------|---|
| Week 1 | Performed characterization of API |
| Week 2 | Planning Drug Excipient compatibility (DEC) study |
| Week 3 | Prepared DEC test samples |
| Week 4 | Loaded DEC samples in Stability chamber |

Ms. Shraddha R. Lakambare
Student

Dr. Atul. A. Phatak
College Guide

Mr. Mahesh M. Bhadgale
Industry Guide representative

Dr. Mrs. Karimunnisa S. Shaikh
College Training In-Charge

Dr. P. D. Chaudhari
Principal



Principal
P. E. S. Modern College of Pharmacy
Sector No. 21, Yamunanagar, Nigdi,
Pune - 411 044.



**Progressive Education Society's Modern college of Pharmacy, Nigdi,
Yamunanagar, Pune-411044**

Industrial Project / Training Progress Report

Student Name: Lakambare Shraddha Rajesh

Department: Pharmaceutics

Class / Sem: 2nd Yr. /4th Sem.

Roll No: PH-212

Name and Address of Company: Callidus Research Laboratories Pvt. Ltd., Chakan industrial area phase IV, Nighoje, Khed, Pune 410501

Industrial project training period: October 2021 – May 2022

Title of project: Formulation development and evaluation of empagliflozin film coated tablet using QbD approach

Progress Report: February 2022

Week wise work done: Formulation and evaluation of trial batches

| Week | Work Done |
|--------|---|
| Week 1 | Prepared lubricated granules of trial batches |
| Week 2 | Prepared tablets of trial batches |
| Week 3 | Evaluation of trial batches |
| Week 4 | Evaluation of trial batches |

Ms. Shraddha R. Lakambare
Student

Dr. Atul A Phatak
College Guide

Mr. Mahesh M. Bhadgale
Industry Guide representative

Dr. Mrs. Karimunnisa S. Shaikh
College Training In-Charge

Dr. P-D. Chaudhari
Principal



Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



**Progressive Education Society's Modern college of Pharmacy, Nigdi,
Yamunanagar, Pune-411044**

Industrial Project / Training Progress Report

Student Name: Lakambare Shraddha Rajesh

Department: Pharmaceutics

Class / Sem: 2nd Yr. /4th Sem.

Roll No: PH-212

Name and Address of Company: Callidus Research Laboratories Pvt. Ltd., Chakan industrial area phase IV, Nighoje, Khed, Pune 410501

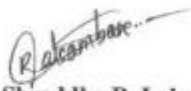
Industrial project training period: October 2021 – May 2022

Title of project: Formulation development and evaluation of empagliflozin film coated tablet using QbD approach


Progress Report: March- 2022

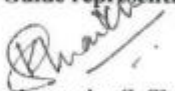
Week wise work done: Formulation and evaluation of DoE batches

| Week | Work Done |
|--------|---|
| Week 1 | Prepared lubricated granules of trial batches |
| Week 2 | Prepared tablets of trial batches |
| Week 3 | Evaluation of trial batches |
| Week 4 | Evaluation of trial batches |


Ms. Shraddha R. Lakambare
Student


Dr. Atul A Phatak
College Guide


Mr. Mahesh M. Bhadgale
Industry Guide representative


Dr. Mrs. Karimunnisa S. Shaikh
College Training In-Charge


Dr. P. D. Chaudhari
Principal




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



**Progressive Education Society's Modern college of Pharmacy, Nigdi,
Yamunanagar, Pune-411044**

Industrial Project / Training Progress Report

Student Name: Lakambare Shraddha Rajesh

Department: Pharmaceutics

Class / Sem: 2nd Yr. /4th Sem.

Roll No: PH-212

Name and Address of Company: Callidus Research Laboratories Pvt. Ltd., Chakan industrial area phase IV, Nighoje, Khed, Pune 410501

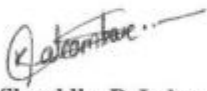
Industrial project training period: October 2021 – May 2022


Title of project: Formulation development and evaluation of empagliflozin film coated tablet using QbD approach


Progress Report: April- 2022

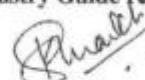
Week wise work done: Accelerated stability study

| Week | Work Done |
|--------|---|
| Week 1 | Packaging and labeling of stability samples |
| Week 2 | Planned stability study protocol |
| Week 3 | Loaded stability test samples in stability chambers |
| Week 4 | Made industrial report |


Ms. Shraddha R. Lakambare
Student


Dr. Atul A Phatak
College Guide


Mr. Mahesh M. Bhadgale
Industry Guide representative


Dr. Mrs. Karimunnisa S. Shaikh
College Training In-Charge


Dr. P. D. Chaudhari
Principal




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



**Progressive Education Society's Modern college of Pharmacy, Nigdi,
Yamunanagar, Pune-411044**

Industrial Project / Training Progress Report

Student Name: Lakambare Shraddha Rajesh

Department: Pharmaceutics

Class / Sem: 2nd Yr. /4th Sem.

Roll No: PH-212

Name and Address of Company: Callidus Research Laboratories Pvt. Ltd., Chakan industrial area phase IV, Nighoje, Khed, Pune 410501


Industrial project training period: October 2021 – May 2022

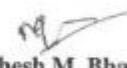
Title of project: Formulation development and evaluation of empagliflozin film coated tablet using QbD approach

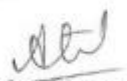
Progress Report: May- 2022

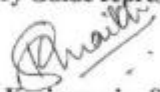
Week wise work done: Evaluation of stability samples


| Week | Work Done |
|--------|--|
| Week 1 | Initiated thesis writing |
| Week 2 | Unloaded and evaluated samples of long term stability condition |
| Week 3 | Unloaded and evaluated samples of intermediate stability condition |
| Week 4 | Unloaded and evaluated samples of accelerated stability condition |


Ms. Shraddha R. Lakambare
Student


Mr. Mahesh M. Bhadgale
Industry Guide representative


Dr. Atul A Phatak
College Guide


Dr. Mrs. Karimunnisa S. Shaikh
College Training In-Charge



Dr. P.D. Chaudhari
Principal


Principal
P. H. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.





2022-2023


We Care for You

To,
Principal
PES Modern College of Pharmacy, Nigdi, Pune

Dear Sir,

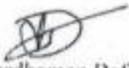
We, Callidus Research Laboratories are hereby certifying that, Prof. Shubham R. Khade has underwent the hands- on training in our formulation development department during the period of 22/10/2022 to 28/10/2022. We hope the interaction provoked the knowledge sharing and ideas exchange amongst us.


This training was the part of our MOU and tie up with your college.


We assure the same activity in future also.


Thanking you,

Yours truly,


Mr. Vardhaman Bafna
Director - Formulations






Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

Callidus Research Laboratories Pvt. Ltd.
Plot No. PAP-A-29/1, Chakan Industrial Area Phase IV, Village - Nighoje, Tal. Khed, Dist. Pune - 410 501. Maharashtra. (India)
Tel : + 91 - 9970004680 Email : info@calliduslabs.com Website : www.calliduslabs.com



Callidus
We Care for You

To,
Principal
PES Modern College of Pharmacy, Nigdi, Pune

Dear Sir,


We, Callidus Research Laboratories are hereby certifying that, Prof. Surbhi Gupta has underwent the hands-on training in our formulation development department during the period of 24/10/2022 to 29/10/2022. We hope the interaction provoked the knowledge sharing and ideas exchange amongst us.

This training was the part of our MOU and tie up with your college.

We assure the same activity in future also.

Thanking you,

Yours truly,


Mr. Vardhaman Bafna
Director - Formulations




Principal

P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

Callidus Research Laboratories Pvt. Ltd.

Plot No. PAP-A-29/1, Chakan Industrial Area Phase IV, Village - Nighoje, Tal. Khed, Dist. Pune - 410 501. Maharashtra. (India)
Tel : + 91 -9970004580 E-mail : info@calliduslabs.com Website : www.calliduslabs.com



Callidus
We Care for You

To,
Principal
PES Modern College of Pharmacy, Nigdi, Pune

Dear Sir,

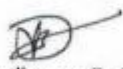
We, Callidus Research Laboratories are hereby certifying that, Prof. Shivraj V. Mane has underwent the hands- on training in our formulation development department during the period of 24/10/2022 to 29/10/2022. We hope the interaction provoked the knowledge sharing and ideas exchange amongst us.

This training was the part of our MOU and tie up with your college.


We assure the same activity in future also.

Thanking you,

Yours truly,


Mr. Vardhaman Bafna
Director - Formulations




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

Callidus Research Laboratories Pvt. Ltd.

Plot No. PAP-A-29/1, Chakan Industrial Area Phase IV, Village - Nighoje, Tal. Khed, Dist. Pune - 410 501. Maharashtra. (India)
Tel : + 91 -9970004680 E-mail : info@calliduslabs.com Website : www.calliduslabs.com



TIE-UPS:Haffkine Bio-Pharma Corporation Ltd Pimpri, Pune

| Sr no | Academic Year | Name of Activity | No of beneficiaries | Start Date | End Date |
|-------|---------------------------|------------------|---------------------|------------|------------|
| 1 | 2018-2019 | Internship | 05 | 02/01/2019 | 04/02/2019 |
| 2 | 2022-2023 | Internship | 05 | 11/07/2022 | 15/08/2022 |
| | | Industrial visit | 125 | 11/04/2023 | 11/04/2023 |

Summary of activities under MOU



Haffkine Bio-Pharmaceutical Corporation Ltd.

[A Govt. Of Maharashtra undertaking]

PIMPRI, PUNE - 411 018. PHONE (020) 27422206, 27421945, FAX : (020) 27420209

Regd Office : Acharya Dande Marg, Parel, Mumbai - 400 012, (INDIA)

Phone: 24129320-23 PUR : 24147564 MKT : 24146419 GRAM : HAFKINE Mumbai - 400 012. TELEX : 11-7-1427 HBPC IN FAX : 24168578

Date : 17/01/2014

Research Interactions

Haffkine Biopharmaceutical Corporation Limited (A state government undertaking) located at Pimpri, Pune is engaged in the manufacture of Antiserum against Tetanus, Diphtheria, Gas Gangrene toxins & Snake and Scorpion Venoms. As a part of social responsibility, since over fourteen (14) years, the organization is imparting training and undertaking various research projects for undergraduate (B.Sc, B.Pharm., B.Tech.) and post-graduate (M.Sc., & M.Pharm.) students of a various Universities. The organization has well-equipped laboratories with ultra modern facilities supported by highly qualified staff. About 700 equines are maintained over 70 acres of premises to produce various antitoxins and antivenoms.

The scope of research in an antisera manufacturing unit covers almost all the disciplines of science like Microbiology, Veterinary Science, Pharmaceutical Sciences, Biochemistry, Chemistry and Botany. The in-house, small term research projects undertaken are beneficial to the organization and also fulfill the academic requirements of the students. The publications arising out of the research work are shared jointly by the organization as well as the academic institutions.

Amongst the various colleges, the students of Progressive Education Society's Modern College of Pharmacy, Sector no-21, Yamunanagar, Nigdi, Pune 411044, have done research projects in our Organization in the past. The Progressive Education Society's Modern College of Pharmacy is a premium institute imparting education in Pharmaceutical Sciences as well as carrying out research in Pharmaceutical Science and the students of M. Pharm. work on various research projects every year. Recently, out of previous year's research work done by two students, two research publications have been published in high impact factor International journals. In future also we would like to give an opportunity to the M. Pharm. students of Modern College of Pharmacy to carryout research in our laboratory.



Manager
MANAGER
HAFFKINE BIO-PHARMACEUTICAL
CORPORATION LTD.
PIMPRI, PUNE - 411 018

Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Haffkine Bio-Pharmaceutical Corporation Ltd.

(A Govt. Of Maharashtra undertaking)

PIMPRI, PUNE - 411 018. PHONE : 9552530267 Email : ats@vaccinehaffkine.com

Regd Office : Acharya Donde Marg, Parel, Mumbai - 400 012, (INDIA)

Phones : 24129320-23 PUR : 24147564 MK1 : 24146419 GRAM : HAFFKINE Mumbai - 400 012. TELEX : 11-7-1427 HBPC IN FAX : 24168578

MEMORANDUM OF UNDERSTANDING

BETWEEN

Progressive Education Society's Modern College of Pharmacy Sector 21, Yamunanagar, Nigdi, Pune-411044, which is represented by its principal named Dr. Pravin D. Chaudhari here in named as party one

AND

Haffkine Bio-Pharmaceutical Corporation Ltd, Bombay Pune Road, Pimpri, next to Hindustan Antibiotics, Pune, Maharashtra 411018, here in named party two



Page 1 of 5
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

Scanned by TapScanner



THIS MEMORANDUM OF UNDERSTANDING IS MADE AT PUNE ON 22nd JULY 2017

WHEREAS

The First Party is Educational Institute/College named as above. First Party is the amongst the premium Pharmacy institutes imparting quality education in a sector of Pharmaceutical Sciences as well as carrying out research in Pharmaceutical Sciences. It is established in 1998 in Pimpri-Chinchwad industrial belt and run by Progressive Education Society Pune-5. It offers Undergraduate (B. Pharm.), Pharm D, Post graduate (M. Pharm) and Doctoral courses (Ph.D) in Pharmacy. All the courses are recognized by Pharmacy Council of India (PCI), Institute is affiliated to Savitribai Phule Pune University, Pune, Approved by All India Council for Technical Education (AICTE), Maharashtra State Board of Technical Education and also approved under 2(f) and 12 (B) of the UGC Act. With the relentless efforts of dedicated and competent faculty, up-dated curriculum, innovative methods of instructions top end infrastructure and sturdy support of management, it has emerged as a center of academic excellence and attracting students from all over India. Whereas the second party is also engaged in research in Pharmaceutical Sciences.

WHEREAS


Second Party is Haffkine Bio-Pharmaceutical Corporation Ltd. It is the pioneer in the production of anti snake venom serum in India and has been producing it since 1940. Even the lyophilized anti snake venom serum has been introduced by Haffkine Bio-Pharmaceutical Corporation Ltd in the country since 1945. Earlier it used to be the largest manufacturer of anti snake venom serum in the country producing about 60 - 70% of the country's total production. Anti snake venom serum produced by Haffkine Bio-Pharmaceutical Corporation Ltd has even been exported to neighboring countries through WHO and UNICEF. From 1995 onwards, Antitoxin and Sera department is maintaining its own snake farm where three major poisonous snakes of India namely Cobra, Russell's Viper, Common Krait are maintained to obtain venoms required hyperimmunisation of equines as per requirement. This facility has been a boon to maintain the quality and potency of ASVS produced at Antitoxin and Sera department, Pimpri, Pune. The objective of company is manufacturing and supply of quality health care products at reasonable prices to mankind.

WHEREAS both the parties hereby covenant to adhere with following terms for entering into this Memorandum of Understanding:

- Both the parties shall maintain permanent channels of communication for exchange of information, facilities and research under Collaborative research projects, Industrial visit, Student Internship, Sharing expertise in Both ways, Demonstration of Equipment or new technology, Use of facilities at the end of both parties, Sharing library facilities, Seeking feedback on curriculum, co-curricular and extracurricular activities also involve in Co-organizing Seminar, Conferences and Workshops.
- Both the parties shall explore possibilities of updating the respective information technology systems if required.



Page 2 of 5


Principal
P.E.S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

Scanned by TapScanner



GOALS AND OBJECTIVES

Both the parties being in the field of importing knowledge have agreed to collaborate to with following objects:

1. The purpose of this MOU is to continue to develop and expand a framework of cooperation between the First Party and Second party to develop mutually beneficial research projects and professionally competent ethically sound, skilled pharmacist at par with global standards.
2. Both the parties have agreed to work in the areas of mutual interest such as
 - ✓ Collaborative research projects
 - ✓ Industrial visit
 - ✓ Student internship
 - ✓ Sharing expertise in Both ways.
 - ✓ Demonstration of equipment or new technology
 - ✓ Use of facilities at the end of both parties
 - ✓ Sharing library facilities
 - ✓ Seeking feedback on curriculum, co-curricular and extracurricular activities
 - ✓ Co-organizing Seminar, Conferences and Workshops
3. Recognizing the importance of institutes of higher education's role in promoting collaboration and increased contribution of social economic development.

NOW THEREFORE THIS MEMORANDUM OF UNDERSTANDING WITNESSE AS UNDER

1. Field of Co-Operation:

Co-operation between both the parties may be established within any field related to science and technology of mutual interest and in particular fields of Collaborative research projects, Industrial visit, Student Internship, Sharing expertise in Both ways, Demonstration of Equipment or new technology, Use of facilities at the end of both parties, Sharing library facilities, Seeking feedback on curriculum co-curricular and extracurricular activities as well as involve in Co-organizing Seminar, Conferences and Workshops.

2. Management and Administration:

Negotiation, implementation and co-operation of the Memorandum of Understanding fall under the responsibility of both the parties.

3. General Provisions:

- a. Both the parties will carry out collaborative research activities, as a follow up to this Memorandum of Understanding. The activities must be carried out in accordance with appropriate laws of India for the time being in force.
- b. BOTH THE PARTY may allot such joint projects to B. Pharm, M.Pharm, Pharm D and Ph.D. students with the help of the staff and students of their organization. The required equipment for carrying out the activity other than those available with



Page 3 of 5

Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411044

Scanned by TapScanner



FIRST PARTY and are to be made available by SECOND PARTY and Vice Versa or suitable assistance shall be borne by the BOTH THE PARTIES for getting such work done.

- c. The faculty, students and employees from both parties can freely interact on the joint research project. The faculty and the students can share the Laboratory and Instrumental facilities for smooth functioning of the project.
- d. The findings of the research work shall be published or patent jointly by the parties.
- e. If the results of this joint project are able to attract commercial utilization, then the financial benefit shall be shared between the two parties equally or through any mutually agreed arrangements.
- f. Both parties should follow rules and regulations during said activities in the premises.

4. Amendments:

This Memorandum of Understanding may be amended, if required, by mutual agreement between both the parties, formalized by an exchange of letters specifying the date of entry into force.

5. Settlement of Disputes:

Any dispute which may arise in connection with the interpretation or enforcement of this Memorandum of Understanding shall be strived to be settled by mutual consultation between both the parties and for the purpose of settlement of dispute the jurisdiction shall be within the limits of Pune.

6. Termination:

Either Party may terminate this Memorandum of Understanding at any time with at least 90 days prior written notice to the other Party. The early termination of this Memorandum of Understanding will not affect the completion of any co-operation measures that were agreed under the annual work programs whilst it was in force.

7. Valid period:

This MOU shall take effect from the date of its signing and shall be valid for lifetime from the date on which it came into force.




Page 4 of 5

Principal



P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.




Scanned by TapScanner





Signed in Pune on 22/07/2017 in two original in English language.

| | | | |
|-----------------------------|--|------------------------------|---|
| For Party of the First Part | Progressive Education Society's Modern College of Pharmacy Sector 21, Yamunanagar, Nigdi, Pune - 411044 | For Party of the Second Part | Haffkine Bio-Pharmaceutical Corporation Ltd, Bombay Pune Road, Pimpri, Next To Hindustan Antibiotics, Pune, Maharashtra 411018 |
| Signature with seal |  Principal P.E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044. | Signature with seal |  Dr. BABASAHEB P. KURHE MANAGER HAFFKINE BIO-PHARMACEUTICAL CORPORATION LTD. PIMPRI, PUNE-411 018. |
| Designation | Principal and Professor | Designation | Manager ATS |
| Name | Dr. Pravin D. Chaudhari Email ID: pdchaudhari21@rediffmail.com Contact: 9850179873 | Name | Dr. B. P. Kurhe Email ID: ats@vaccinehaffkine.com, Contact: 020-27420209 |
| Date | 22/07/2017 | Date | 22/07/2017 |




Principal
P.E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

Scanned by TapScanner



Progressive Education Society's
MODERN COLLEGE OF PHARMACY

Accredited by NAAC & NBA
DST FIST Funded College

'Best College Award' by Savitribai Phule Pune University



Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently affiliated to
Savitribai Phule Pune University, Pune & Approved under Section (2 (f) & 12 (B) of UGC Act, 1956

Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044. (M.S.) Tel. : 020-27661314 / 15

E-mail : mcopnigdi44@gmail.com Website : www.mcop.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. Gajanan R. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council
P.E.Society, Pune

Ref :

Date :


Summary of Activity done under MOU Year wise

Name of concerned Organization: Haffkine Bio-Pharma Corporation Ltd, Pune


Date of MOU: 17/01/2014

Validity Period of MOU: Lifetime

| Sr no | Academic Year | Name of Activity | No of beneficiaries | Start Date | End Date |
|-------|---------------|------------------|---------------------|------------|------------|
| 1 | 2018-2019 | Internship | 05 | 02/01/2019 | 04/02/2019 |
| 2 | 2022-2023 | Internship | 05 | 11/07/2022 | 15/08/2022 |
| | | Industrial visit | 125 | 11/04/2023 | 11/04/2023 |


Dr. Pravin D. Chaudhari
Principal and Professor





MoU Incharge:
Haffkine Bio-Pharma Corporation Ltd, Pune



STRIVING TOWARDS EXCELLENCE FOREVER



2018-2019


Haffkine Bio-Pharmaceutical Corporation Ltd.
A Govt. Of Maharashtra undertaking) PIMPRI, PUNE - 411015. PHONE (020) 27422206, 27421945, FAX: (020) 27420209
Regd Office: Acharya Dondo Marg, Parel, Mumbai - 400 012, (INDIA)
Phones, 24129320-23 PUR: 24147564 MKT: 24146419 GRAM: HAFFKINEMumbai - 400 012, TELEX: 11-7-1427
HBPCIN FAX: 24168578


No.ATS/ 52 Date 7/2/2019



CERTIFICATE

This is to certify that **Ms. ASHIYA AYUB MULANI** student of third year B.Pharmacy, MODERN COLLEGE OF PHARMACY NIGDI, PUNE has successfully completed her one month Industrial Training from 02 Jan to 04 Feb 2019 at Haffkine Bio-Pharmaceutical Corporation Ltd., Pimpri, Pune-411018.


She has performed satisfactorily. I wish her best of luck for future endeavors.

Dr. Shivaji Gade
Manager


Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



**Haffkine Bio-Pharmaceutical Corporation Ltd.**

A Govt. Of Maharashtra undertaking) PMPRI, PUNE - 411018. PHONE (020) 27422200, 27421945, FAX: (020) 27420200

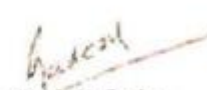
Regd Office: Acharya Dondo Marg. Parel, Mumbai - 400 012, (INDIA)
Phones: 24129320-23 PUR: 24147564 MKT: 24146419 GRAM: HAFFKINEMumbai - 400 012, TELEX: 11-7-1427
HBPCIN FAX: 24168578

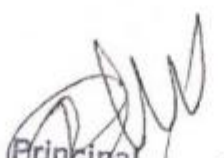
No.ATS / Date:7/2/2019


CERTIFICATE

This is to certify that Mr.RATHOD GHANSHYAM KAILAS student of third year B.Pharmacy, MODERN COLLEGE OF PHARMACY NIGDI, PUNE has successfully completed her one month Industrial Training from 02 Jan to 04 Feb 2019 at Haffkine Bio-Pharmaceutical Corporation Ltd., Pimpri, Pune-411018.

She has performed satisfactorily. I wish her best of luck for future endeavors.


Dr. Shivaji Gade
Manager


Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.


Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



**Haffkine Bio-Pharmaceutical
Corporation Ltd.**

(A Govt. Of Maharashtra undertaking)
PIMPRI, PUNE - 411 018. PHONE (020) 27472206, 27421946, FAX : (020) 27420204

Regd Office : Acharya Donde Marg, Parel, Mumbai - 400 012 (MCA)
Phones : 24 29320-23 Pbf 24147564 MFC 24146419 GRAM - Haffkine Mumbai - 400 012. TELEX : 11-7-1427 HBPC IN FAX : 24146678

ATS/358

Date: 08-07-2018

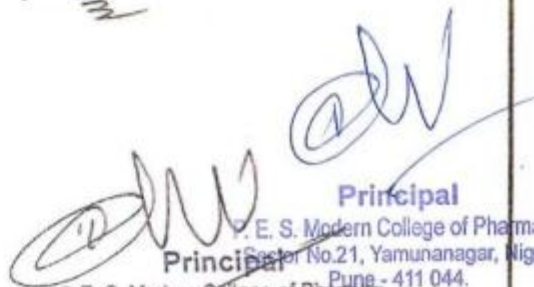
CERTIFICATE

This is to certify that **Mr. Wakhare Yash Dillip**, student of Final Year B.Pharmacy, of Modern College of Pharmacy, Nigdi, Pune, 44, has successfully completed her one month Industrial Training from 9th June 2018 to 8th July 2018 at Haffkine Bio-Pharmaceutical Corporation Ltd., Pimpri, Pune-411018. She has performed satisfactorily. I wish her best of luck for future endeavors.

For Haffkine Biopharmaceutical Corp. Ltd


Manager




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



2022-2023

 **Haffkine Bio-Pharmaceutical Corporation Ltd.**
[A Govt. Of Maharashtra undertaking]
PIMPRI, PUNE - 411 018, PHONE (020) 27422206, 27421945, FAX : (020) 27420209
Regd Office : Acharya Donde Marg, Parel, Mumbai - 400 012, (INDIA)
Phones : 24129320-23 PUR : 24147564 MKT : 24146419 GRAM : HAFKINE Mumbai - 400 012, TELEX : 11-7-1427 HBPC IN FAX : 24160570

ATS/430 Date: 25.08.2022

CERTIFICATE

This is to certify that, Miss. Saakshi Surësh Khandagale student of Final Year B. Pharmacy, Modern College of Pharmacy, Nigdi, Pune - 411044 has successfully completed her one month industrial training from 15.07.2022 to 15.08.2022 at Haffkine Bio-Pharmaceuticals Corporation Ltd. Pimpri, Pune- 411018.

During her tenure we found her sincere, hardworking, punctual and technically sound and result oriented.

We wish her all the best for her future endeavors.

Haffkine Bio-Pharmaceuticals Corporation Ltd.

Dr. B. P. Kurhe
Manager


Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



**Haffkine Bio-Pharmaceutical
Corporation Ltd.**

[A Govt. Of Maharashtra undertaking]

PIMPRI, PUNE - 411 018. PHONE (020) 27422206, 27421945, FAX : (020) 27420209

Regd Office : Acharya Dande Marg, Parel, Mumbai - 400 012, (INDIA)

Phones : 24129320-23 PUR : 24147564 MKT : 24146419 GRAM : HAFKINE Mumbai - 400 012. TELEX : 11-7-1427 HBPC IN FAX : 24168578

ATS/394

Date: 10/08/2022

CERTIFICATE

This is to certify that, Miss. Pratiksha Laxman Raut student of Final Year B. Pharmacy, PES's Modern College of Pharmacy, Nigdi, Pune - 411044 has successfully completed her one month industrial training from 11/07/2022 to 10/08/2022 at Haffkine Bio-Pharmaceutical Corporation Limited, Pimpri, Pune- 411018.

She was found punctual during training. We wish her best of luck for future endeavors.

Haffkine Bio-Pharmaceutical Corporation Ltd.




(Dr. B. P. Kurhe)
Manager



**P. E. Society's
Modern College of Pharmacy Nigdi-44**

Industry Visit 2022-23

Notice

Date: 08/04/2023

All Teaching faculty, Non-teaching staff and students of B Pharm/M Pharm are hereby informed that, our college has organized industry visit for students, the details of visit are as follows

Name of Place: Haffkine Bio-Pharmaceutical Corporation Ltd, Pimpri Pune

Name of class : T Y B Pharm Div A & B, S Y M Pharm Cology

Date: 11 /04/2023 (Tuesday)

Time for Visit: 9:45 am

Contact persons during visit

Dr Smita Pimple

Dr V V Chopade: 9545452767

Prof. Prashant Pawar : 7875562252

Mrs. Priyanka Sarda: 72496 52496

Prof Shivraj Mane

**Dr. P. D. Chaudhari
Principal**

Copy to

1. Academic section
2. Class teachers
3. Office




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



PES Modern College of Pharmacy, Nigdi, Pune-44

Attendance of students for Industry Visit

Name of Place: Haffkine Bio-Pharmaceutical Corporation Ltd, Pimpri Pune

Name of class : T Y B Pharm Div B

Date: 11 /04/2023 (Tuesday)

Time for Visit: 9:45 am

| Sr No | Name of Students | Signature of students |
|-------|------------------------------|-----------------------|
| 1. | Abhishek Gokul Shendurkar | |
| 2. | Aditi Sadanand Nagle | |
| 3. | Ajit Vishvanath Saini | |
| 4. | Akash Baburao Pawar | |
| 5. | Chaitanya Madhukar mali | |
| 6. | Deveshree kiran Patil | |
| 7. | Ganesh Pandurang Survase | |
| 8. | Hrishikesh Anil Nikam | |
| 9. | Ishwari Shaligram Masram | |
| 10. | Jay Dashrath Rajgor | |
| 11. | Kajal Ganpat Thete | |
| 12. | Komal D Wankhade | |
| 13. | Mohammad Sameer Rafik Shaikh | |
| 14. | Neha Vijay Nevse | |
| 15. | Pawan Ramrao Pawar | |
| 16. | Prajakta Vikas Sathu | |
| 17. | Pranaya Ramdas Nawale | |
| 18. | pratham umesh pawar | |
| 19. | Prathamesh Rajesh Panzade | |
| 20. | Pratiksha Mahadev Pawar | |
| 21. | Purna Dadasaheb Pardeshi | |
| 22. | Prema Manohar Patil | |
| 23. | Riya Shivaji Shirke | |
| 24. | Sakshi Pravin Palve | |
| 25. | Sandesh Bhausaheb Pawar | |
| 26. | Sanika Anand Shelar | |
| 27. | Sarode Vishal Shingari | |
| 28. | Sarvesh Dipak Chakraborty | |
| 29. | Shadan Abdulhakeem Shaikh | |
| 30. | Shreyas Prashant Mahite | |
| 31. | Shrushti Ananda Landge | |

Principal

P. E. S. Modern College of Pharmacy
Sector No 21, Yamunanagar, Nigdi,
Pune - 411 044.



| | | |
|-----|----------------------------------|-----------------|
| 32. | Siddhi Sudhir Waghule | <i>Siddhi</i> |
| 33. | Srushti Dinesh Magade | <i>Srushti</i> |
| 34. | Srushti Samir Phand | <i>Srushti</i> |
| 35. | Sukanya Kalyan Vyavahare | <i>Sukanya</i> |
| 36. | Swapnali Laxman Shedge | <i>Swapnali</i> |
| 37. | Tanuja Ravindra Patil | <i>Tanuja</i> |
| 38. | Vaishnavi Dadarao More | <i>More</i> |
| 39. | Vaishnavi Machindra Shingade | <i>Shingade</i> |
| 40. | Vaishnavi Prakash Zond | <i>Zond</i> |
| 41. | Vaishnavi Sunil Lokhande | <i>Lokhande</i> |
| 42. | Vijay Uttam Shinde | <i>Shinde</i> |
| 43. | Vinayakashish Pradiprao Kulkarni | <i>Kulkarni</i> |
| 44. | Yash Dattatray Kudale | <i>Kudale</i> |
| 45. | Tanuja Ajinkya | <i>Tanuja</i> |
| 46. | <i>Satish</i> | <i>Satish</i> |
| 47. | Anjali Rajurwar | <i>Anjali</i> |
| 48. | Rutwik Pawar | <i>Rutwik</i> |
| 49. | | |
| 50. | | |

Faculty: Mr. Prashant Pawar, Mrs. Priyanka Sarda, Ms Sweteja Bhosle, Snehal Gojare

Dr. V. V. Chopade
Dr. V. V. Chopade
Incharge



Dr. P. D. Chaudhari
Dr. P. D. Chaudhari
Principal
Principal
P. E. S. Modern College of Pharmacy
Sector No 21, Yamunanagar, Nigdi,
Pune - 411 044.

Dr. P. D. Chaudhari
Principal
Principal
P. E. S. Modern College of Pharmacy
Sector No 21, Yamunanagar, Nigdi,
Pune - 411 044.



PES Modern College of Pharmacy, Nigdi, Pune-44

Attendance of students for Industry Visit

Name of Place: Haffkine Bio-Pharmaceutical Corporation Ltd, Pimpri Pune

Name of class : T Y B Pharm Div A

Date: 11 /04/2023 (Tuesday)

Time for Visit: 9:45 am

| Sr No | Name of Students | Signature of students |
|-------|----------------------------|-----------------------|
| 1. | Piyush Mahesh Adhav | |
| 2. | Sahil Anil Amble | |
| 3. | Hitesh Yashwant Attarde | |
| 4. | Pradnya Kaliyan Autade | |
| 5. | Aditya laxman babhalkar | |
| 6. | Snehal Sanjay Bagade | |
| 7. | Rohit Anil Baheti | |
| 8. | Sakshi Ashok Barangule | |
| 9. | Sayali Narayan Bhagawat | |
| 10. | Trupti Sudhir Bhangare | |
| 11. | Sohan Narendra Bharambe | |
| 12. | Vrushali Ravindra Bharate | |
| 13. | Ashwini Jijaram Bharmal | |
| 14. | Sakshi Sandip Bharti | |
| 15. | Aniket Vinod Bhise | |
| 16. | Devang Ramesh Bhokare | |
| 17. | Bhumika Kishor Bhole | |
| 18. | Rutuja Subrao Bhosale | |
| 19. | Sneha Satish Bhusare | |
| 20. | Aditi Sanjay Bonde | |
| 21. | Anushka Dilip Boraste | |
| 22. | Vidya Dilip Chaudhari | |
| 23. | Chinmayee yuvraj chavan | |
| 24. | Pratik Arun Chavan | |
| 25. | Siddhi Sangram Chavan | |
| 26. | Arti Anil Choudhari | |
| 27. | Prachi Keshav Dadewad | |
| 28. | Yashraj Ravindra Dhamale | |
| 29. | Akanksha krishna dhanawade | |
| 30. | Sanket Sanjay Dhangare | |
| 31. | Om Kailash Dhangare | |
| 32. | Gayatri Yogesh Dhangare | |

Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



| | | |
|-----|-----------------------------------|------------------|
| 33. | Swamini Santosh Dhere | <i>Swamini</i> |
| 34. | Soham Shekhar Doshi | <i>SD.</i> |
| 35. | Shruti Bharat Gadhave | <i>Gadhave</i> |
| 36. | Sudhir Girdhar Gaikwad | <i>Gaikwad</i> |
| 37. | Vishal Sachin Gangawane | <i>Gangawane</i> |
| 38. | Ashish Vishnu Garkal | <i>Garkal</i> |
| 39. | Shreyash Arun Ghuikar | <i>Shreyash</i> |
| 40. | Dipak Pandurang Gonde | <i>Gonde</i> |
| 41. | Gore vikas madhukar | <i>Gore</i> |
| 42. | Bhargavi Govind Govardhan | <i>Bh.</i> |
| 43. | Deepti machindra gunjal | <i>Gunjal</i> |
| 44. | Rajesh Munja Gutte | <i>Gutte</i> |
| 45. | Pooja Shankar Hatkar | <i>Hatkar</i> |
| 46. | Onkar Gajanan Jadhav | <i>Jadhav</i> |
| 47. | Pranav Pramod Jadhav | <i>Jadhav</i> |
| 48. | Aditi Pratap Jagtap | <i>Jagtap</i> |
| 49. | Chaitali navnath jedhe | <i>Jedhe</i> |
| 50. | Sushil krishna Jha | <i>Jha</i> |
| 51. | Rutuja Changdeo Kadam | <i>Kadam</i> |
| 52. | Rajashree Dnyandeo Kale | <i>Kale</i> |
| 53. | Siddhi Siddharth Kamble | <i>Kamble</i> |
| 54. | Harshda Bholeshankar kamthe | <i>Kamthe</i> |
| 55. | Gauri Pradip karande | <i>Karande</i> |
| 56. | Akshay chandrakant karpe | <i>Karpe</i> |
| 57. | Aditya Kumar Kasar | <i>Kasar</i> |
| 58. | Gaurav pavan kela | <i>Kela</i> |
| 59. | Sakshi Ravindra Khadse | <i>Khadse</i> |
| 60. | Ankita Pralhad Khair | <i>Khair</i> |
| 61. | Prathamesh Nitin Khandge | <i>Khandge</i> |
| 62. | Purva Munjaji Korde | <i>Korde</i> |
| 63. | Deep Kishorkumar ^{Bisen} | <i>Bisen</i> |
| 64. | Gautami Santosh Khinvasan | <i>Khinvasan</i> |

Faculty: Mr. Prashant Pawar, Mrs. Priyanka Sarda, Ms Sweteja Bhosle, Snehal Gojare

Dr. V V Chopade
Dr. V V Chopade
Incharge



Principal
Principal
Modern College of Pharmacy
Sector No. 21, Yashwanagar, Nigdi,
Pune - 411 044.



PES Modern College of Pharmacy, Nigdi, Pune-44

Attendance of students for Industry Visit

Name of Place: Haffkine Bio-Pharmaceutical Corporation Ltd, Pimpri Pune

Name of class : S Y M PHARM PHARMACOLOGY

Date: 11 /04/2023 (Tuesday)

Time for Visit: 9:45 am

| Sr No | Name of Students | Signature of students |
|-------|----------------------|-----------------------|
| 1. | Pradiksha Majeure | |
| 2. | Dhruvashree Kulkarni | |
| 3. | Kajal Pawade | |
| 4. | Arushi Bhendare | |
| 5. | Pradnya Karkhade | |
| 6. | Surabhi Shinde | |
| 7. | Nikita Pawar | |
| 8. | Gurjati Gadekar | |
| 9. | AKanksha Amtekar | |
| 10. | Pratiksha Tambe | |
| 11. | Vinod Galkwad | |
| 12. | Ganesh Pote | |
| 13. | Xhijhikesh Deshmukh | |
| 14. | Mohsin Mansoori | |
| 15. | | |
| 16. | | |
| 17. | | |
| 18. | | |
| 19. | | |
| 20. | | |

Dr. V V Chopade
Incharge



Dr. P. D. Chaudhari
Principal

Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



P.E.Society's
Modern College of Pharmacy, Nigdi, Pune-44

REPORT OF INDUSTRY VISIT 2022-23

| 1. Name of activity: | Industry visit for Students and Staff |
|----------------------------------|--|
| 2. Name of Industry | Haffkine Bio-Pharmaceutical Corporation Ltd, Pimpri Pune |
| 3. Date of activity | 11 /04/2023 |
| 4. Total no students participate | M Pharm - 14 B Pharm - 111 Total - 125 |
| 5. Occasion of activity | Industry Academic Interaction |
| 6. Place of visit | Anti Venom Production Department |
| 7. Objectives of activity | 1. To get analytical knowledge, planning abilities, problem analysis, modern tool usage, professional identity, pharmaceutical ethics, life-long learning 2. To get importance of accuracy in practical's experiments 3. How to operate equipments in lab. |
| 8. Training given by | Dr. B P Kurhe |
| 9. Name of faculty with students | Dr. Smita Pimple Dr. V V Chopade Prof Prashant Pawar Prof Priyanka Sarda Prof Shivraj Mane |
| 10. Activity co-coordinator | : Dr. Vitthal V Chopade |


Dr. V V Chopade
Industry Visit Incharge





Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044

Photos




Dr. V V Chopade
Industry Visit Incharge




Principal
P.E.S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



TIE-UPS: VM EDULIFE PVT LTD, Pune

Summary of activities under MOU

| Sr no | Academic Year | Name of Activity | No of beneficiaries | Start Date | End Date |
|-------|---------------------------|----------------------------------|---------------------|------------|------------|
| 1 | 2018-2019 | ERP Service Provider | Faculties Enrolled | 01/07/2018 | till date |
| | | Personality development workshop | 70 | 16/03/2019 | 16/03/2019 |
| 2 | 2019-2020 | ERP Service Provider | Faculties Enrolled | | till date |
| 3. | 2020-2021 | ERP Service Provider | Faculties Enrolled | | till date |
| 4. | 2021-2022 | 1. ERP Service Provider | Faculties Enrolled | | till date |
| | | 2. Teacher Orientation Meeting | Faculties Enrolled | 27/10/2021 | 27/10/2021 |
| 5. | 2022-2023 | ERP Service Provider | Faculties Enrolled | | till date |



VM EDULIFE PVT. LTD.

Plot No. 81, Sector No. 25,
Nigdi Pradhikaran,
Pune, Maharashtra - 411044
Tel. No. 07350352872

Ref. No. VMEDULIFE/OTU/2013-14/A-001

Date:- 18/7/2013

To,

Dr. P. D. Chaudhari,
Principal,
Modern College Of Pharmacy,
Nigdi, Pune-411044

Subject: Regarding an official tie-up with Modern College Of Pharmacy, Nigdi

Dear Sir,

This is in reference to the above mentioned subject. As per your invitation for an official tie-up to implement online platform for self-assessment and conceptual learning for the students of first to final year and GAPT online test series for GPAT aspirants, we are very glad to join the hands for the same. We, **VM EDULIFE PVT LTD**, will initiate the implementation as early as possible in your college.

Best Regards,
Manish Yeole

Manish Yeole
(Director, VM EduLife Pvt. Ltd.)



Principal
P. D. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

EDU Life | Today's Efforts
Tomorrow's Life



VM EDULife Pvt Ltd

Today's Efforts, Tomorrow's Life

MEMORANDUM OF UNDERSTANDING

BETWEEN VM EDULife PRIVATE LIMITED AND MODERN COLLEGE OF PHARMACY,
NIGDI, PUNE

REGARDING IMPLEMENTATION OF VM EDULIFE PLATFORM FOR ALL STUDENTS AND
FACULTIES TO ENHANCE LEARNING PROCESS BY USING ALL VARIOUS MODULES
DEVELOPED BY VM EDULife Pvt Ltd

OBJECTIVE

The objective of this MOU is to express the willingness of both parties to engage in an effort to promote the Competitiveness of VM EDULife Private Limited as well as its activities to develop and expand relationships with Modern College of Pharmacy, Nigdi, Pune.

VM EDULife Private Limited agrees to provide technical assistance to assist Modern College of Pharmacy, Nigdi, Pune for overall development of students and faculties to make them competent.

Modern College of Pharmacy, Nigdi, Pune agrees to work with and coordinate with VM EDULife Private Limited in development of their initiatives to improve and expand support to the corporate interactions for the students overall improvement. They also agree to allow VM EDULife to carry out monitoring and evaluation activities to assess the impact of these activities on participating.

PARTNER ORGANIZATIONS

The Memorandum of Understanding is between:

1. VM EDULife Private Limited
2. Modern College of Pharmacy, Nigdi Pune

ROLES AND RESPONSIBILITIES

The Partnership/Advisory group is accountable for:

- Removing obstacles to the partnership's successful delivery, adoption and use
- Maintaining at all times the focus of the partnership on the agreed scope, outcomes and benefits
- Monitoring and managing the factors outside the partnership's control that are critical to its success
- The membership of the partnership/advisory group will commit to:
 - Attending all scheduled partnership group/advisory group meetings/conference
 - Champion the partnership within and outside of work areas
 - Share all communications and information across all partnership/advisory group members
 - Make timely decisions and take action so as to not hold up the implementation
 - Notifying members of the Partnership Group/Advisory Group, as soon as practical, if any matter arises which may be deemed to affect the development of the partnership
 - Attendance at all meetings and if necessary nominate a proxy.

www.vmedulife.com

0735 035 2872 / 0839 970 1133

Registered office: C2 002, Ganga Oceana Meadows, Thergaon, Pune - 411 044

info@vmedulife.com

P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.





VM EDULife Pvt Ltd

Today's Efforts, Tomorrow's Life

Members of the advisory group expect:

- That each member will be provided with complete, accurate and meaningful information in a timely manner
- To be given reasonable time to make key decisions
- To be alerted to potential risks and issues that could impact the implementation, as they arise
- Open and honest discussions

COMMUNICATION, INFORMATION SHARING AND CONSULTATION PROCESSES

- Timely communication between Institute Coordinator and VM EDULife Executive for implementation
- Institute coordinator must cooperate VM EDULife Executive for all the required information
- VM EDULife Executive always extend cooperation for successful implementation of all the planned activities for institute

CONFLICT RESOLUTION

In case of any conflicts, both VM EDULife Team and Institute concern authorities must discuss and come with solution without affecting student's routine academics and ongoing activities through VM EDULife.

RESOURCES

Institute need to extend all the support for satisfactory implementation of all the modules and allow using the existing facilities for the activities related to Institute only and it will be maintained confidential.

PERIOD OF VALIDITY

This agreement shall be initially valid for Five years from the date of signing the agreement and to be renewed subsequently by mutual consent of both the parties.

ARBITRATION

The parties to the Agreement shall settle any dispute arising with regard to any aspect of this Agreement through mutual consultations and agreements



www.vinedulife.com

0735 035 2872 / 0839 070 1133

Registered office: C2 602, Ganga Oceana Meadows, Thergaon, Pune - 411 044.

E.S. Modern College of Pharmacy
Sector No. 21, Yashwantrao Nagar, Nigdi,
Pune - 411 044.





VM EDULife Pvt Ltd
Today's Efforts. Tomorrow's Life

AUTHORISATION

The signing of this MOU is not a formal undertaking. It implies that the signatories will strive to reach the objectives stated in the MOU, to the best of their ability.

Partnering Organization:

Name MODERN COLLEGE OF PHARMACY NIGDI, PUNE

Date 29.11.16

Title PRINCIPAL

Signature [Signature]

Partnering Organization:

Name VM EDULife PRIVATE LIMITED, PUNE

Date 29.11.2016

Title DIRECTOR

Signature [Signature]



P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044

www.vmedulife.com

0735 035 2872 / 0839 070 1133 info@vmedulife.com
Registered office: C2 602, Ganga Oceana Meadows, Thergaon, 411033



An ISO 9001:2015 Certified Company
Recognized by Govt. of Andhra Pradesh under Innovation and Startup Policy.
Recognized by DIIPP, Ministry of Commerce & Industry, Government of India
An Official Industry Associate of SCGI, Government of India
Official Member of NASSCOM.

MEMORANDUM OF UNDERSTANDING

BETWEEN

VMEDULIFE PRIVATE LIMITED

AND

PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF PHARMACY,
SECTOR 21, YAMUNANAGAR, NIGDI, PUNE - 411044.

REGARDING IMPLEMENTATION OF VM EDULIFE PLATFORM FOR ALL STUDENTS AND FACULTIES TO ENHANCE LEARNING PROCESS BY USING ALL VARIOUS MODULES DEVELOPED BY vmedulife.

OBJECTIVE

The objective of this MOU is to express the willingness of both parties to engage and promote the Competitiveness of VMEDULIFE Private Limited as well as its activities to develop and expand relationships with PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF PHARMACY, SECTOR 21, YAMUNANAGAR, NIGDI, PUNE - 411044.

VMEDULIFE Private Limited agrees to provide technical assistance to assist PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF PHARMACY, SECTOR 21, YAMUNANAGAR, NIGDI, PUNE - 411044 for overall development of Students and faculties to make them competent.

PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF PHARMACY, SECTOR 21, YAMUNANAGAR, NIGDI, PUNE - 411044. agrees to work and coordinate with VMEDULIFE Private Limited in development of their initiatives to improve and expand support to the corporate interactions too for the student's overall improvement. They also agree to allow vmedulife to carry out monitoring and evaluation activities to assess the impact of these activities on participating.



VMEDULIFE Pvt. Ltd., 5 No.228, Office No. 404, Sanskruti Arcade, Wakad, 411057

Sales : +91 96239 64758 / Support : +91 83907 01133 | info@vmedulife.com | www.vmedulife.com



An ISO 9001:2015 Certified Company
Recognized by Govt. of Andhra Pradesh under Innovation and Startup Policy
Recognized by DIIPP, Ministry of Commerce & Industry, Government of India
An Official Industry Associate of SCCI, Government of India
Official Member of NASSCOM

PARTNER ORGANIZATIONS

The Memorandum of Understanding is between:

1. VMEDULIFE Private Limited
2. PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF PHARMACY, SECTOR 21, YAMUNANAGAR, NIGDI, PUNE - 411044.

ROLES AND RESPONSIBILITIES

The Partnership/Advisory group is accountable for:

1. Removing obstacles to the partnership's successful delivery, adoption and use
2. Always maintaining the focus of the partnership on the agreed scope, outcomes and benefits
3. Monitoring and managing the factors outside the partnership's control that are critical to its success
4. The membership of the partnership/advisory group will commit to:
5. Attending all scheduled partnership group/advisory group meetings/conference
6. Champion the partnership within and outside of work areas
7. Share all communications and information across all partnership/advisory group members
8. Make timely decisions and act so as to not hold up the implementation
9. Notifying members of the Partnership Group/Advisory Group, as soon as possible, if any matter arises which may be deemed to affect the development of the partnership
10. Attend all meetings and if necessary, nominate a proxy.

Members of the advisory group expect:

1. That each member will be provided with complete, accurate and meaningful information in a timely manner
2. To be given reasonable time to make key decisions
3. To be alerted to potential risks and issues that could impact the implementation, as they arise
4. Open and honest discussions

COMMUNICATION, INFORMATION SHARING AND CONSULTATION PROCESSES

1. Timely communication between Institute Coordinator and VMEDULIFE Executive for implementation
2. Institute coordinator must cooperate vmedulife Executive for all the required information
3. vmedulife Executive always extend cooperation for successful implementation of all the planned activities for institute.

CONFLICT RESOLUTION

In case of any conflicts, both vmedulife Team and Institute concern authorities must discuss and come with solution without affecting student's routine academics and ongoing activities through vmedulife.



VMEDULIFE Pvt. Ltd., S No.228, Office Space, Sanjay Park, Wakad, 411057

Sales: +91 96239 64758 / Support: +91 83907 01133 | info@vmedulife.com | www.vmedulife.com



An ISO 9001:2015 Certified Company.
Recognized by Govt. of Andhra Pradesh under Innovation and Startup Policy.
Recognized by DIPP, Ministry of Commerce & Industry, Government of India.
An Official Industry Associate of SCGI, Government of India
Official Member of NASSCOM.

RESOURCES

The institute needs to extend all the support for satisfactory implementation of all the modules and allow using the existing facilities for the activities related to the Institute only.

PERIOD OF VALIDITY




This agreement shall be initially valid for five years from the date of signing the agreement and to be renewed subsequently by mutual consent of both the parties.

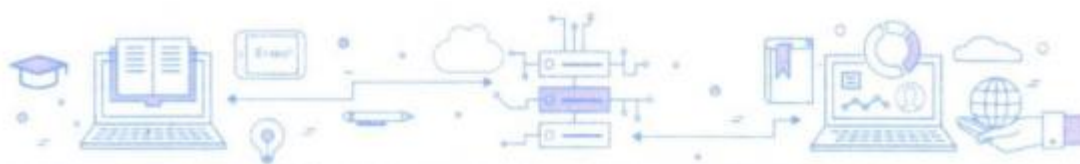
ARBITRATION

The parties to the Agreement shall settle any dispute arising regarding any aspect of this Agreement through mutual consultations and agreements.

AUTHORISATION

The signing of this MOU is not a formal undertaking. It implies that the signatories will strive to reach the objectives stated in the MOU, to the best of their ability.

| | | | |
|-------------------------------------|---|--------------------------------------|--|
| Partnering Organization: First Part | Progressive Education Society's Modern College of Pharmacy Sector 21, Yamunanagar, Nigdi, Pune - 411044 | Partnering Organization: Second Part | VMEDULIFE PRIVATE LIMITED, Pune. |
| Signature with seal |  Principal P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044. | Signature with seal |   |
| Designation | Principal and Professor | Designation | Executive, VMEDULIFE PRIVATE LIMITED |
| Name | Dr. Pravin D. Chaudhari | Name | Mr. Manish Yeole |
| Date | 30.11.2021 | Date | 30.11.2021 |



VMEDULIFE Pvt. Ltd., S No.228, Office No. 404, Sanskruti Arcade, Wakad, 411057

Sales: +91 96239 64758 / Support: +91 83907 01133 | info@vmedulife.com | www.vmedulife.com



Progressive Education Society's
MODERN COLLEGE OF PHARMACY

Accredited by NAAC & NBA
DST FIST Funded College

'Best College Award' by Savitribai Phule Pune University



Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently affiliated to
Savitribai Phule Pune University, Pune & Approved under Section (2 (f) & 12 (B) of UGC Act, 1956

Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044. (M.S.) Tel. : 020-27661314 / 15

E-mail : mcpnigdi44@gmail.com Website : www.mcop.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. Gajanan R. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council
P.E. Society, Pune

Ref :

Date :

Summary of Activity done under MOU Year wise

Name of concerned Organization: VM Edulife Pvt Ltd, Pune

Date of MOU: 18/07/2013 to 29/11/2026

Validity Period of MOU: 13 Years

| Sr no | Academic Year | Name of Activity | No of beneficiaries | Start Date | End Date |
|-------|---------------|----------------------------------|---------------------|------------|------------|
| 1 | 2018-2019 | ERP Service Provider | Faculties Enrolled | 01/07/2018 | till date |
| | | Personality development workshop | 70 | 16/03/2019 | 16/03/2019 |
| 2 | 2019-2020 | ERP Service Provider | Faculties Enrolled | | till date |
| 3. | 2020-2021 | ERP Service Provider | Faculties Enrolled | | till date |
| 4. | 2021-2022 | 1. ERP Service Provider | Faculties Enrolled | | till date |
| | | 2. Teacher Orientation Meeting | Faculties Enrolled | 27/10/2021 | 27/10/2021 |
| 5. | 2022-2023 | ERP Service Provider | Faculties Enrolled | | till date |


Dr. Pravin D. Chaudhari
Principal and Professor




MoU Incharge
VM Edulife Pvt Ltd, Pune



STRIVING TOWARDS EXCELLENCE FOREVER



2018-2019 to till date

The screenshot displays the MCOP Nigdi portal interface. The top navigation bar includes a 'Sign Out' button and the user's name 'Dr. Mohini Chetan Kuchekar' with the number '298'. The main content area is divided into several sections:

- Teaching & Learning:** Includes modules for Student Details, My Profile, Events, Committee and Meeting, Learning Management System, Course File, Online Clearance, Notice Board, Mentoring, Training and Placement, and a Feedback link.
- ERP (Enterprise Resource Planning):** Includes modules for Library (ILMS), Leave Management, Inventory, Fees, Admission, Certificate, Inward-Outward, SMS Panel, Website Integration, ID Card, Helpdesk, Employee Registration, and a Feedback link.
- Assignments:** A list of assignments with columns for 'Added', 'Deleted', and 'Dynamic'. The assignments are categorized by 'Added Descriptive Question' and 'Added Assignment'.

On the right side, there is a section for 'Download App' and 'Privacy Policy'. The bottom of the page features a footer with the college's name, address, and contact information.

Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

9/3/2019

Welcome to Rediffmail: Inbox

rediffmail

Abdullahi et al. *Journal of Nursing Research* 2013, **23**:10

Subject: Corporate training workshop for B Pharm Final Year and PG students

From vmedulife <info@vmedulife.com> on Fri, 08 Mar 2019 12:05:43

To: karimunnisa sameer shahid <karima78@rediffmail.com>

Cc: pdchaud@ar21@rediffmail.com

Dear Mom,

Greetings of the day

We are hereby giving confirmation for corporate training workshop to be scheduled for 16th Mar 19.
(Timings will be 9.00 am to 12.00 pm).

We will soon share the details.

Please reply to email for confirmation.

Warm Regards,

Team vmedulife (India's unique integrated teaching learning platform)

Recognized by DIPP, Ministry of Commerce & Industry, Government of India

Recognized by Govt. of Andhra Pradesh under Innovation and Startup Policy

An ISO 9001:2015 Certified Company

An Official Industry Associate of SCGJ, Government of India

Learning Management System || ICT Platform|| ERP

Email ID : info@medulife.com

Contact No: +91 735 035 2872 / +91 839 070 1133

Website : www.vmedulife.com

DISCLAIMER

The contents of this E-mail and any attachments are privileged and confidential material of VM EDULIFE Private Limited. — Pune and shall be disclosed to, used by or copied in any manner by anyone other than the intended addressee(s). The responsibility of safeguarding this material rests with the recipient.

The responsibility of checking the authenticity of correspondence lies with you.

If you consider the content of this email inappropriate or spam, you may: Forward this email to: info@vmedulife.com



Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

https://doi.org/10.1007/978-1-4939-9832-5_15

424



P. E. Society's
Modern College of Pharmacy, Nigdi, Pune.
Academic Year 2018-19

Date: 11/03/19


Training and Placement Cell

Notice


All the faculty and students are hereby informed that a workshop has been arranged for the Final Year B. Pharm and M. Pharm Sem-IV students. Following are the details:

Title: Personality Development workshop (Interview skills and GD)
Name of trainer: Purushottam Chandankar, VM Edulife Corporate Trainer
Date: Saturday 16/03/19
Time: 9.00 am – 12.00 noon
Venue: Seminar hall

Students' attendance is compulsory.


Dr. Mrs. K S Shaikh
Training and Placement Officer




Dr. P D Chaudhari
Principal
P. E. S. Modern College of Pharmacy,
Yamunanagar, Sector No.21, Nigdi,
Pune - 411 044.



Progressive Education Society's
MODERN COLLEGE OF PHARMACY

Accredited by 'NAAC'

'Best College Award' by Savitribai Phule Pune University



Approved by All India Council for Technical Education, New Delhi. Pharmacy Council of India, New Delhi.
Directorate of Technical Education, Mumbai (MS). Permanently affiliated to
Savitribai Phule Pune University, Pune & Approved under Section (2 (f) & 12 (B) of UGC Act, 1956)

Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044. (M.S.) Tel. : 020-27661315 Fax : 020-2766 1314

E-mail : mcpnigdi44@gmail.com Website : www.mcop.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. Gajanan R. Ekbot
M.S., M.N.A.M.S
Chairman, Business Council
P.E. Society, Pune

Ref. :

Date : 11/03/19

To,
The Director,
VM Edulife Pvt. Ltd.,
Pune.

Subject: Invitation to conduct a workshop on "Interview skills and personality Development"

Dear Sir/ Madam,

Modern College of Pharmacy, Nigdi, Pune is affiliated to Savitribai Phule Pune University and is approved by AICTE, New Delhi for conducting B. Pharm and M. Pharm (specialising in Pharmaceutics, Pharm. Chemistry, Pharmacology and Quality Assurance Techniques) courses. The institute focuses on qualitative growth of its students and develops a multifaceted personality capable of always learning and coping with the challenges in the 21st century.

The Training and Placement Cell of the college plays a crucial role in counseling and guiding the learners of the college for their successful career placement. It makes every effort to provide exhaustive training to the students with relevance to communication skills, aptitude test, demeanor, comport and overall development for enhancing their employability. We believe that your expertise in the field of personal & professional grooming is unparalleled. It is an honour and privilege to invite you to train our students on "Interview skills and personality Development". I request you to conduct a workshop on the same theme on 16th March 2019 at our college.

Kindly accept our invitation. We look forward to a positive confirmation.

Thanking you,

Yours truly,

Dr. Ms. K S Shaikh
Training and Placement Officer



Dr. P. D. Chaudhari
Principal

Principal
P. E. S. Modern College of Pharmacy
Yamunanagar, Sector No.21, Nigdi,
Pune - 411 044.

STRIVING TOWARDS EXCELLENCE FOREVER



P. E. Society's Modern College of Pharmacy, Nigdi, Pune-411044

Training and Placement Cell

Personality Development Workshop (Interview skills and Group Discussion)

ATTENDANCE SHEET

Name of speaker : Mr. Puroshottam Chandankar, VM Edulife Pvt. Ltd.

Date :

| Sr. No. | Name of student | Class | Signature |
|---------|--------------------------|----------|-----------|
| 1. | Ingle Soma Sudam | B. Pharm | |
| 2. | Kazi Tajheen A. | B. Pharm | |
| 3. | Snehal Sanjay Dutar | B. Pharm | |
| 4. | Shinde Ashlesha Rohidas | B. Pharm | |
| 5. | Pratiksha Kadam | B. Pharm | |
| 6. | Roshani Bhole | B. Pharm | |
| 7. | Jyoti Mundhe | B. Pharm | |
| 8. | Shraddha Sattkar | B. Pharm | |
| 9. | Sabaanjum Shaikh | B. Pharm | |
| 10. | GAYATRI SARAVADE | B. Pharm | |
| 11. | Ashi M. Peste | B. Pharm | |
| 12. | Kakade pooja | B. Pharm | |
| 13. | Jadhav Nikita Netaji | B. Pharm | |
| 14. | Aun Ronan Luxmun | B. Pharm | |
| 15. | Shelke Madhuri Raghunath | B. Pharm | |
| 16. | Kindan Choudhary | B. Pharm | |
| 17. | Saurabh Shinde | B. Pharm | |
| 18. | Shinde Shubham S. | B. Pharm | |
| 19. | Jagtap Akash | B. Pharm | |
| 20. | Ram Swar | B. Pharm | |
| 21. | Shikalgas Jaisin | B. Pharm | |
| 22. | Shah Padmaj | B. Pharm | |
| 23. | Ganeshwar Bhashikar | B. Pharm | |
| 24. | Pratik Kale | B. Pharm | |
| 25. | Sushin B. Harke | B. Pharm | |

Principal

P. E. S. Modern College of Pharmacy
Sector No. 21, Yamunanagar, Nigdi,
Pune - 411 044.



P. E. Society's Modern College of Pharmacy, Nigdi, Pune-411044

Training and Placement Cell

| | | | |
|-----|----------------------------------|-----------------------------|-----|
| 26. | Nikhil K. Gabhale | M. Pharm (QA/QC) | |
| 27 | Rathod. Mallinath. panu | M. Pharm (Pharm) | |
| 28) | Rathod Ghanshyam Kailas | B. Pharm | |
| 29) | Rajput Chhatrapalsing. Suvarning | Anal. & B. Pharm. | |
| 30) | Shuttham Ramchandra Tehade | Final yr B Pharm | SRK |
| 31) | Dalvi Rajashree Eknath | Final year B Pharm | |
| 32 | Asthiya Mulani | Final yr B Pharm | |
| 33. | Jagruhi A. Patil. | Final yr B Pharm | |
| 34 | Rohit Janale. woahmael | — | |
| 35 | Yam wakhale | — | |
| 36) | Lohik Kitan. | — | |
| 37 | Swapnil Sarankar | — | |
| 38) | Prashant Ghode | — | |
| 38 | Shrikr. Deepak | — | |
| 39 | Swami Ganyasagar U. | M. Pharm 1 st yr | |
| 40 | Manorama Yadav | M. Pharm (F.Y.) | |
| 41 | Priyanka D. Garbhe | F.Y. M. Pharm (Pharm) | |
| 42 | Dhage Shyamsundar | TY B Pharm | |
| 43 | Amrute Prasad Ravindra | B Pharm | |
| 44 | Swapnil Chinchole | B Pharm | |
| 45 | Yash Chavon | B Pharm | |

Dr. Mrs. K S Shaikh / Ms. Minal T Harde/ Ms. Nikita Gaikwad
(Training and placement Incharge)

(Name & sign of Company Representatives)

Principal

P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.





P. E. Society's Modern College of Pharmacy, Nigdi, Pune-411044

Training and Placement Cell

Personality Development Workshop (Interview skills and Group Discussion)

ATTENDANCE SHEET

Name of speaker

: Mr. Puroshottam Chandankar, VM Edulife Pvt. Ltd.

Date

:

| Sr. No. | Name of student | Class | Signature |
|---------|----------------------------|----------|-----------|
| 1. | Dipali U. Bhondwe | M. Pharm | |
| 2. | Dhanashri K. Joshi | M. Pharm | |
| 3. | Sayali D. Shinde | M. Pharm | |
| 4. | Mayuri A. Sawant | M. Pharm | |
| 5. | Malusare Anita Vijay | M. Pharm | |
| 6. | Bhavesh Mohanlal Choudhary | M. Pharm | |
| 7. | Kasbe Sneha Madhavrao | M. Pharm | |
| 8. | Swati H. Iakhede | M. Pharm | |
| 9. | Poonam B. Rastkar | M. Pharm | |
| 10. | Snehal A. Kumbhar | M. Pharm | |
| 11. | Pooja A. Newale | M. Pharm | |
| 12. | Shivani R. Kalokhe | M. Pharm | |
| 13. | Kamal P. Gaikwad | M. Pharm | |
| 14. | Samiksha P. Tayade | M. Pharm | |
| 15. | Mayur S. Patil | M. Pharm | |
| 16. | Rakshita M. Chaudhari | M. Pharm | |
| 17. | Kajal K. Darye | M. Pharm | |
| 18. | Bhakti G. Dalavi | M. Pharm | |
| 19. | Aniket Kadam | M. Pharm | |
| 20. | Saroja P. Adepawar | M. Pharm | |
| 21. | Moin Abdul Akhbari | M. Pharm | |
| 22. | Prajakta Dhaybhari | M. Pharm | |
| 23. | Vaibhav Raut | M. Pharm | |
| 24. | Kumari Bandana | M. Pharm | |
| 25. | Kamble Diksha | M. Pharm | |

Principal

P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.





Personality Development workshop (Interview skills and GD)

Name of trainer: Purushottam Chandankar, VM Edulife Corporate Trainer



Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044



Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



2021-2022

P. E. SOCIETY'S MODERN COLLEGE OF PHARMACY, NIGDI, PUNE-44

Notice

Date: 27/10/2021

Dear Faculty,

As per directives of principal sir we are arranging Teaching orientation meeting with VM edulife team at seminar Hall on 27/10/2021 at 2.30pm. All faculties are requested to attend meeting. Faculties can give their suggestions and ask their queries at the end of meeting.

Date: 27/10/2021

Time: 2.30pm

Venue: Seminar Hall

Dr. Mohini Kuchekar

In-charge

Dr. P.D. Chaudhari

Principal

P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Teaching orientation meeting with VM edulife team at seminar Hall On
27/10/2021



Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Attendance of Teaching orientation meeting with VM edulife team at seminar Hall on 27/10/2021

| Name of Faculty | Sign | Name of Faculty | Sign |
|--------------------|------|----------------------|------|
| Dr. S.B. Jadhav | | Dr. A.G. More | |
| Dr. A.A. Phatak | | Ms. R. A. Jinturkar | |
| Dr. D.D. Bandawane | | Dr. U. S. Desai | |
| Dr. S.S. Pimple | | Dr. A. R. Kumbhar | |
| Dr. K.S. Shaikh | - | Dr. R. P. Chavan | |
| Dr. U.C. Galgatte | - | Mr. D. L. Visokar | |
| Dr. S.S. Nipate | | Mrs. P. P. Sarda | |
| Dr. B.P. Pimple | | Mrs. S. A. Vadge | |
| Dr. V.V. Chopade | | Mrs. S. D. Chaudhari | |
| Dr. A.R. Balap | | Dr. R. B. Mali | |
| Dr. M.T. Harde | | Dr. M. S. Khaparde | |
| Dr. K.S. Kakad | | Mr. R.M. Gurav | |
| Dr. P.M. Patil | | Ms. S. A. Kale | |
| Dr. M.C. Kuchekar | | Mr. P. A. Pawar | |
| Dr. A.S. Tapkir | | Ms. S.C. Gupta | |
| Mr. S.Y. Chaudhari | | Ms. S. S. Bhosale | |
| Ms. N. M. Gaikwad | | Ms. N. K. Kale | |
| Dr. P.S. Kore | | | |

Incharge : Dr. M. C. Kuchekar



Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



TIE-UPS: Nu-Life Pharmaceuticals, Pimpri, Pune

Summary of activities under MOU

| Sr no | Academic Year | Name of Activity | No of beneficiaries | Start Date | End Date |
|-------|---------------------------|------------------|---------------------|------------|------------|
| 1 | 2018-2019 | Internship | 24 | 01/01/2019 | 31/01/2019 |
| | | Industrial visit | 40 | 21/02/2019 | 21/02/2019 |
| 2 | 2019-2020 | Internship | 35 | 04/06/2019 | 31/07/2019 |
| | | Industrial visit | 50 | 25/01/2020 | 25/01/2020 |
| 3. | 2020-2021 | Internship | 40 | 02/03/2021 | 07/10/2021 |
| 4. | 2021-2022 | Internship | 03 | 09/07/2021 | 16/09/2021 |



NuLife

**NuLife
Pharmaceuticals**

Plot no. 63, F-2 Block, MIDC,
Pimpri Industrial Area,
Behind TATA MOTORS,
Pimpri, Pune 411018. (INDIA)
Tel : +91 20 27473346, 27477346.
Fax : +91 20 27474620.

To,
Prof. Dr. P. D. Chaudhari,
Principal,
Modern College of Pharmacy,
Nigdi, Pune 44.

Reference :

Date: 13/08/2012



II (12)

Dear Sir,

With reference to your letter regarding Industry Institute Partnership Cell (IIPC) we are interested to contribute in following activities jointly with Modern College of Pharmacy, Nigdi, Pune 44.

- 1) To arrange industrial visits and industrial training for students
- 2) To carryout collaborative projects for undergraduate and postgraduate students.
- 3) To arrange placements for students.
- 4) To give association in curriculum development as and when necessary.
- 5) To deliver guest lectures and seminars of eminent personalities of industry to update the student's knowledge.
- 6) To promote and participate in income generation activities for institution by consultancy and R & D.
- 7) To take the services from institute like 1) Library and information services, 2) Access to institute research information services 3) Access to laboratory facilities.
4) Access to set up common facilities for industry and institute.
- 8) To arrange industrial visits and current industrial practices for teaching staff to integrate in teaching learning process.

Regards,


Sudhir Pandya
Manager
Email - pandvasudhir@hotmail.com




Principal
P. D. Chaudhari
Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

Registered Office : 203, Pleasant Apartments, 15th lane, Prabhat road, Pune 411004. INDIA.
Tel : +91 20 25676473, 25678872. email: contactus@nulifepharma.com Website: www.nulifepharma.com



 **Progressive Education Society's**
MODERN COLLEGE OF PHARMACY
Accredited by NAAC & NBA
DST FIST Funded College
'Best College Award' by Savitribai Phule Pune University



Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently affiliated to
Savitribai Phule Pune University, Pune & Approved under Section (2 (f) & 12 (B) of UGC Act, 1956

Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044. (M.S.) Tel. : 020-27661314 / 15
E-mail : mcpnigdi44@gmail.com Website : www.mcop.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. Gajanan R. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council
P.E.Society, Pune

Ref : _____ Date : _____

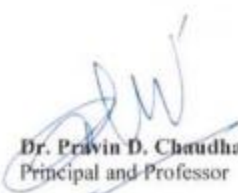
Summary of activity done under MOU Year wise


Name of concerned Industry: Nu-Life Pharmaceuticals, Pimpri, Pune


Date of MOU: 13/08/2012

Validity Period of MOU: Lifetime

| Sr no | Academic Year | Name of Activity | No of beneficiaries | Start Date | End Date |
|-------|---------------|------------------|---------------------|------------|------------|
| 1 | 2018-2019 | Internship | 24 | 01/01/2019 | 31/01/2019 |
| | | Industrial visit | 40 | 21/02/2019 | 21/02/2019 |
| 2 | 2019-2020 | Internship | 35 | 4/06/2019 | 31/07/2019 |
| | | Industrial visit | 50 | 25/01/2020 | 25/01/2020 |
| 3. | 2020-2021 | Internship | 40 | 02/03/2021 | 07/10/2021 |
| 4. | 2021-2022 | Internship | 03 | 09/07/2021 | 16/09/2021 |


Dr. Pravin D. Chaudhari
Principal and Professor




MoU Incharge
Nu-Life Pharmaceuticals, Pimpri, Pune


STRIVING TOWARDS EXCELLENCE FOREVER



2018-2019

NuLife PHARMACEUTICALS

PLOT NO. 63, F-2 BLOCK, MID.C.,
PIMPRI INDUSTRIAL AREA,
PIMPRI, PUNE 411 018 (M.S.) INDIA
TEL. +91 20 27130345, 27130745
FAX +91 20 27130620
Email: contactus@nulifepharm.com
Website: www.nulifepharm.com



To,
The Principal
Modern college of pharmacy, Nigdi.
Pune- 411044

Date-1/2/2019


CERTIFICATE


This is to certify that Ms.Pooja Shivaji Kakade student
of B.Pharm Final year Modern College of pharmacy, Nigdi. Pune has
successfully completed her one month In-plant training during 01 Jan to 31
Jan2019 in Nulife Pharmaceuticals Pimpri, Pune.

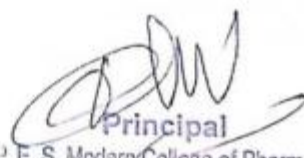
Her attendance was regular and conduct was satisfactory.


Best wishes for her future.

For Nulife Pharmaceuticals


Mr. Amar Shelke
(Training officer)




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.


Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



NuLife PHARMACEUTICALS

PLOT NO. 63, F-2 BLOCK, MID C,
PIMPRI INDUSTRIAL AREA,
PIMPRI, PUNE 411 018 (MAHARASHTRA)
TEL : +91 20 27130349, 27130745
FAX : +91 20 27130420
Email : contactus@nulfepharma.com
Website : www.nulfepharma.com



To,
The Principal
Modern College of pharmacy, Nigdi .
Pune-411044


Date:- 22/2/19

CERTIFICATE


This is to certify that Mrs. Rajashree Eknath Dalvi student of
B.Pharm Final year Modern Collage of Pharmacy, Nigdi. Pune has successfully
completed her one month In-plant training during 01 Jan to 31 Jan 2019 In Nulife
Pharmaceutical Pimpri, Pune.

Her attendance was regular and conduct was satisfactory.
Best wishes for her future.

For Nulife Pharmaceuticals


Mr. Amar Shelke

(Training officer)


Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yashwantrao Chavan Nagar, Nigdi,
Pune



REGD. OFFICE : 203, PLEASANT APARTMENTS, 15 TH LANE, PRABHAT ROAD, PUNE 411 004 (MAHARASHTRA) INDIA
TEL. : +91 20 25676473, 25678942 FAX : +91 20 25678872 Email : contactus@nulfepharma.com Website : www.nulfepharma.com



NuLife PHARMACEUTICALS

P.O. NO. 63, F-2 BLOCK, MIDC
PIMPRI INDUSTRIAL AREA
PIMPRI, PUNE-411 018 (M.S.) INDIA
TEL: +91 22 27110346, 271130246
FAX: +91 22 27115420
Email: contact@nulinlife.com
Website: www.nulinlife.com



To,
The Principal
Modern College of pharmacy, Nigdi,
Pune-411044

Date: - 30/06/2018

CERTIFICATE

This is to certify that Miss. Tajheen Azmztulla Kazi student of
B.Pharm Final year Modern Collage of Pharmacy, Nigdi, Pune has successfully
Completed her one month In-plant training during 1 June To 30 June 2018 In NuLife
Pharmaceutical Pimpri, Pune.

Her attendance was regular and conduct was satisfactory.

Best wishes for her future.

For Nulife Pharmaceuticals

Mr. Amar Shelke

(Training officer)

Principal

P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.





NuLife PHARMACEUTICALS

PLOT NO 63, F - 2 BLOCK, MID C.
PIMPRI INDUSTRIAL AREA
PIMPRI, PUNE 411 018 (M S) INDIA
TEL : +91 20 27130345, 27130746
FAX : +91 20 27130620
Email : contactus@nulfepharma.com
Website : www.nulfepharma.com



To,
The Principal
Modern College of pharmacy, Nigdi.
Pune-411044

Date: - 30/06/2018


CERTIFICATE

This is to certify that Mr. Kavilke Rohit Vishvas student of
B.Pharm Final year Modern Collage of Pharmacy, Nigdi. Pune has successfully
Completed her one month In-plant training during 1 June To 30 June 2018 In NuLife
Pharmaceutical Pimpri, Pune.

Her attendance was regular and conduct was satisfactory.
For Nulife Pharmaceuticals
Best wishes for him future.

Mr. Amar Shelke

(Training officer)


Principal
P.E.S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



REGD. OFFICE : 203, PLEASANT APARTMENTS, 15 TH LANE, PRABHAT ROAD, PUNE 411 004 (MAHARASHTRA) INDIA
TEL. : +91 20 25676473, 25678942 FAX : +91 20 25678872 Email : contactus@nulfepharma.com Website : www.nulfepharma.com



P. E. Society's
Modern College of Pharmacy Nigdi-44
Academic year 2018-19

Notice

Date: 11/02/2019

All Teaching faculty, Non teaching staff and students of B Pharm are hereby informed that, our college has organize Industry visit for B. Pharm studentrs, the details of trip is as follows

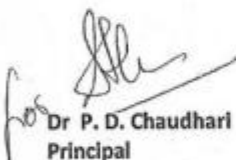
Name of Place : NuLife Pharmaceuticals Bhosari Industrial Estate, Pimpri MIDC, Pune,

Name of class : First Year and Third year B. Pharm

Date: 21/ 02/2019 (Thursday)

Time for departure from college: 10 am

Selected students: list attached


Dr P. D. Chaudhari
Principal

Copy to

1. Academic section
2. Class teacher
3. Exam section
4. Office
5. Circulation to all faculty
6. Circulation to all students




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



PES Modern College of Pharmacy, Nigdi. Pune-44

Attendance of students for Industrial visit

Venue: NuLife Pharmaceuticals Bhosari Industrial Estate, Pimpri MIDC, Pune,

Class: F Y B Pharm and T Y B Pharm

Date: 21/02/2019

Time 10:00 am onwards

| Sr. No | Name of Students | Class | Signature |
|--------|--------------------------|-------------|-----------|
| 1. | CHOUDHARY RADHIKA | T Y B Pharm | |
| 2. | CHOUDHARY SANDEEP | T Y B Pharm | |
| 3. | CHOUDHARY SAVITA | T Y B Pharm | |
| 4. | DALVI TEJASWINI HANUMAN | T Y B Pharm | |
| 5. | DHAGE SHYAMSUNDAR LAXMAN | T Y B Pharm | |
| 6. | JADHAV MAYURESH | T Y B Pharm | |
| 7. | JOSHI AJAY ANIL | T Y B Pharm | |
| 8. | MEKHE ANIKET RAJENDRA | T Y B Pharm | |
| 9. | MORE MAYUR SATISH | T Y B Pharm | |
| 10. | DHUMAL NEHA VINOD | F Y B Pharm | |
| 11. | GIRI RUTUJA VITTHAL | F.Y.B.Pharm | |
| 12. | DATE MAYURESH SITARAM | F.Y.B.Pharm | |
| 13. | KALASKAR SMITESH NARAYAN | F.Y.B.Pharm | |
| 14. | GULHANE RITEEKA RAVINDRA | F.Y.B.Pharm | |
| 15. | PATIL DINESH VASUDEV | F.Y.B.Pharm | |
| 16. | PATIL SHUBHAM MAHADEV | F.Y.B.Pharm | |
| 17. | KHEDEKAR TEJAS GULAB | F.Y.B.Pharm | |
| 18. | HAGE VAIBHAV GANESH | F.Y.B.Pharm | |
| 19. | HAMDULAY YUSRA RAFIQ | F.Y.B.Pharm | |
| 20. | GOHIL KHUSHABU BHIKUBHAI | F.Y.B.Pharm | |
| 21. | SUPE AKSHAY RAMDAS | F.Y.B.Pharm | |
| 22. | TARU DEEPAK KHANDU | F.Y.B.Pharm | |
| 23. | GATKAL KAJAL BALIRAM | F.Y.B.Pharm | |
| 24. | SHIRSAT PRANALI SANJAY | F.Y.B.Pharm | |
| 25. | HARNE SHIVANI SAHADEO | F.Y.B.Pharm | |
| 26. | SURYAWANSHI VAIBHAVI | F.Y.B.Pharm | |
| 27. | SAMBRE SHIVAM HEMANT | F.Y.B.Pharm | |
| 28. | KALE RUSHIKESH HANMANT | F.Y.B.Pharm | |
| 29. | ROKADE MANISH SUBHASH | F.Y.B.Pharm | |
| 30. | SHINDE SHIVANJALI BHAU | F.Y.B.Pharm | |
| 31. | RAUT PRATIKSHA LAXMAN | F.Y.B.Pharm | |
| 32. | NEMMANIWAR ABHINAV SUNIL | F.Y.B.Pharm | |
| 33. | RANAWARE SUNITA RAMDAS | F.Y.B.Pharm | |




| | | | |
|-----|--------------------------|-------------|----------|
| 34. | HANDE MAITHIL DATTATRAY | F.Y.B.Pharm | Mhande |
| 35. | NACHAN NISHIKANT ANIL | F.Y.B.Pharm | Nachan |
| 36. | BOROLE SAMIKSHA VISHNU | F.Y.B.Pharm | Borole |
| 37. | Vinayote Omkar Vinayote | T.Y.B.Pharm | Vinayote |
| 38. | Makode Saniko Balajheb | T.Y.B.Pharm | Saikha |
| 39. | more chaitrali Ragbunath | T.Y.B.Pharm | More |
| 40. | Kamble Diksha S. | F.Y.B.Pharm | Kamble |


Dr V V Chopade
Industrial visit incharge


Dr P S Uttekar
Alumni incharge




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

P.E.Society's
Modern College of Pharmacy, Nigdi. Pune-44

REPORT OF ACTIVITY 2018-19

| | | |
|-----|-------------------------------|--|
| 1. | Name of activity: | Industry visit for B. Pharm students |
| 2. | Name of Industry | NuLife Pharmaceuticals Bhosari Industrial Estate, Pimpri MIDC, Pune, |
| 3. | Date of activity | 21/02/2019 |
| 4. | Total no students participate | 40+ 2 staff |
| 5. | Occasion of activity | Industry Academic Interaction |
| 6. | Place of Visit | Manufacturing, packaging and QC operation NuLife Pharmaceuticals |
| 7. | Objectives of activity | 1. To get knowledge about working procedure of manufacturing, packaging and QC unit of Pharma. industry 2. To get importance of accuracy in practical's experiments |
| 8. | Training Given by | Mr. Amar Shelke Training manager Nu Life Miss Nirvi Gandhi QA executive at nulife pharmaceuticals |
| 9. | Name of faculty with students | Dr Pravin Uttekar, Dr. Vitthal V Chopade |
| 10. | Activity co-coordinator | :Dr. Vitthal V Chopade and Dr Pravin Uttekar |



Group Photo during Industry visit with Mr Amar Shelke training manager Nulife Pharmaceuticals Pune

Dr V V Chopade
Industry visit Incharge
MCOP Nigdi



Dr P D Chaudhari
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



2019-2020

NuLife PHARMACEUTICALS

PLOT NO. 63, F-2 BLOCK, M.I.D.C.,
PIMPRI INDUSTRIAL AREA,
PIMPRI, PUNE 411 018 (M.S.) INDIA
TEL : +91 20 27130346, 27130746
FAX : +91 20 27130620
Email : contactus@nulfepharma.com
Website : www.nulfepharma.com



To

The Principal

Modern college of pharmacy, Nigdi.

Pune- 411044

Date-08/07/2019

CERTIFICATE

This is to certify that Mr. Mahesh Hanmantrao Tidke student of B.Pharm 3rd year Modern College of pharmacy, Nigdi. Pune has successfully completed his one month In-plant training during 04 June 2019 to 04 July 2019 in Nulife Pharmaceuticals Pimpri, Pune.

His attendance was regular and conduct was satisfactory.

Best wishes for his future.

For Nulife Pharmaceuticals

Mr. Amar Shelke

(Training officer)



Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.





NuLife PHARMACEUTICALS

PLOT NO.63, F-2 BLOCK, M.I.D.C.,
PIMPRI INDUSTRIAL AREA,
PIMPRI, PUNE 411 018 (M.S.) INDIA
TEL. +91 20 27130348, 27130748
FAX +91 20 27130620
Email: contactus@nulfepharma.com
website: www.nulfepharma.com



To,
The Principal
Modern college of pharmacy, Nigdi.
Pune- 411044

Date-14/8/2019

CERTIFICATE

This is to certify that Miss. Laxmi Rataram Choudhary student of B.Pharm 3rd year Modern College of pharmacy, Nigdi. Pune has successfully completed her one month In-plant training during 18 June 2019 to 18 July 2019 in Nulife Pharmaceuticals Pimpri, Pune.

Her attendance was regular and conduct was satisfactory.

Best wishes for her future.

For Nulife Pharmaceuticals

Mr. Amar Shelke

(Training officer)



Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



REGD. OFFICE: 203, PLEASANT APARTMENTS, 15 TH LANE, PRABHAT ROAD, PUNE 411 004 (MAHARASHTRA)



NuLife PHARMACEUTICALS

PLOT NO. 63, F - 2 BLOCK, M.I.D.C.,
PIMPRI INDUSTRIAL AREA,
PIMPRI, PUNE 411 018 (M.S.) INDIA
TEL : +91 20 27130346, 27130746
FAX : +91 20 27130620
Email : contactus@nulifepharma.com
Website : www.nulifepharma.com



To,
The Principal
Modern college of pharmacy, Nigdi,
Pune- 411044.

Ref: 161/2020-2021

Date-25/1/2020

CERTIFICATE

This is to certify that 50 students of B.Pharm 3rd Year
along with 2 faculty members have visited various departments of our
factory premises on Saturday 25.1.2020.

visited various departments like tablet, capsule, cream, ointment,
lotion, ear drops, oral liquid, store, packing and quality control.

For NuLife Pharmaceuticals

Mr. Sudhir Devale
(Hr Manager)



Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

REGD. OFFICE : 203, PLEASANT APARTMENTS, 15 TH LANE, PRABHAT ROAD, PUNE 411 004 (MAHARASHTRA) INDIA
TEL : +91 20 25676473, 25678942 FAX : +91 20 25678872 Email : contactus@nulifepharma.com Website : www.nulifepharma.com



P. E. Society's
Modern College of Pharmacy Nigdi-44

Notice

Date: 20/01/2020

All Teaching faculty, Non teaching staff and students of B Pharm are hereby informed that, our college has organize industry visit for B. Pharm studentrs, the details of visit schedule is as follows

Name of Place : Nulife Pharmaceuticals, Plot No 63, F2 Block, MIDC, Bhosari Industrial Estate, Pimpri, Pune, Maharashtra 411018

Name of class : Third year B. Pharm

Date of visit: 25/ 01/2020 (Saturday)

Time for departure from college: 9 am

Selected students: list attached


Dr. V V Chopade
Industry visit in-charge




Dr. P. D. Chaudhari
Principal

Copy to

1. Academic section
2. Class teacher
3. Exam section
4. Office
5. Circulation to all faculty
6. Circulation to all students

Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



P.E.Society's
Modern College of Pharmacy, Nigdi. Pune-44

REPORT OF ACTIVITY 2019-20

| | | |
|-----|-------------------------------|---|
| 1. | Name of activity: | Industry visit for B. Pharm students |
| 2. | Name of industry | NuLife Pharmaceuticals Bhosari Industrial Estate, Pimpri MIDC, Pune, |
| 3. | Date of activity | 20/01/2020 |
| 4. | Total no students participate | 50+ 2 staff |
| 5. | Occasion of activity | Industry Academic Interaction |
| 6. | Place of visit | Manufacturing, packaging and QC operation NuLife Pharmaceuticals |
| 7. | Objectives of activity | <ol style="list-style-type: none">1. To get pharmacy knowledge, planning abilities, problem analysis, modern tool usage, professional identity, pharmaceutical ethics, communication, environment and sustainability, life-long learning.2. To know working procedure of manufacturing unit and QAQC dept of Pharmaceutical industry3. To get importance of accuracy in practical's experiments How to operate equipments in pharma industry. |
| 8. | Training given by | Mr. Amar Shelke Training manager Nu Life Miss Nirvi Gandhi QA executive at nulife pharmaceuticals |
| 9. | Name of faculty with students | Dr Kalyani Kedar, Dr V V Chopade |
| 10. | Activity co-coordinator | :Dr. Vitthal V Chopade |

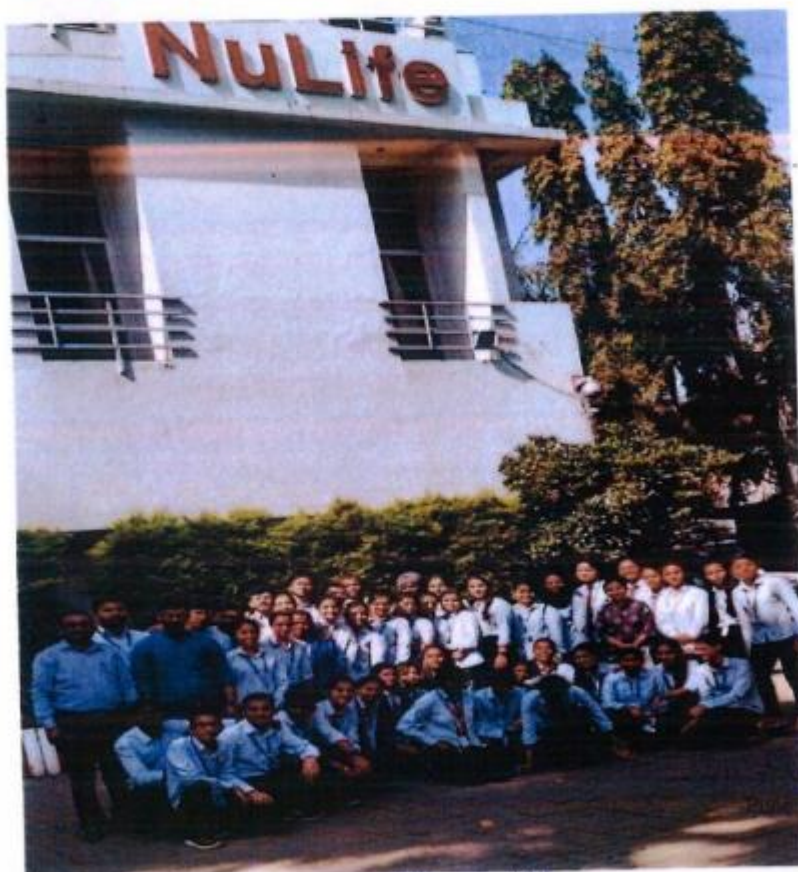

Dr V V Chopade
Industry visit Incharge




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Photo



[Signature]
Principal
College of Pharmacy
Munaganagar, Nigdi
411 044.







PES MODERN COLLEGE OF PHARAMCY, NIGDI, PUNE 411 044

List of selected students for Industrial Visit

Class: Third Year B.Pharm

Date: 25/01/2020 , Time: 9 am onwards

Place: Nulife Pharmaceuticals, Bhosari MIDC Pune



| Sr. No | Roll No. | Name of the Students |
|--------|----------|------------------------------|
| 1. | 301 | ABHANG SIDDHI DNYANESHWAR |
| 2. | 302 | AGARWAL SALONI MANISH |
| 3. | 303 | AHER OMKAR SUNIL |
| 4. | 304 | AMRITKAR AKANKSHA PRAVEEN |
| 5. | 305 | ANDRE RUTUJA SUNIL |
| 6. | 306 | BAFNA PRATIK KISHOR |
| 7. | 308 | BHOR RUCHITA BALU |
| 8. | 309 | CHAUDHARI SAGAR ROHIDAS |
| 9. | 310 | CHOUDHARY BHARTI JAGDISH |
| 10. | 311 | CHOUDHARY HITESH RAJARAM |
| 11. | 312 | CHOURE SOURABH KAILAS |
| 12. | 313 | DESHPANDE URVI VIJAY |
| 13. | 314 | DHAT VAISHNAVI SHRIRAM |
| 14. | 315 | DHOBE SWAPNIL TATYASAHEB |
| 15. | 316 | DHONGADE JANHAVI SATISH |
| 16. | 317 | DOPEWAD MAMTA BALAJI |
| 17. | 319 | GARHWANI YOGISH DHARMDAS |
| 18. | 321 | GUJARE ASHWINI GANGADHAR |
| 19. | 322 | GULVE PRACHI TUKARAM |
| 20. | 323 | HAJARE PRATIKSHA KANTILAL |
| 21. | 324 | INDALKAR OMKAR KAILAS |
| 22. | 325 | JADHAV GAYATRI SOMANATH |
| 23. | 326 | JADHAV NIKITA YASHWANT |
| 24. | 327 | KARAMBELKAR AARYA AVINASH |
| 25. | 328 | KOTHARI VINAY NITINKUMAR |
| 26. | 329 | KULKARNI AMRITA MILIND |
| 27. | 330 | MAHADIK INDRANI RAMAN |
| 28. | 331 | MAHADIK MONIKA SANJAY |
| 29. | 336 | NAYKINDE SANDHYA |
| 30. | 337 | PADALE NEHA MADAN |
| 31. | 338 | PATHAN AYESHA VINUS |
| 32. | 339 | PAWAR SAYALI SURESH |
| 33. | 340 | PAWAR SIDDHANT DEEPAK |
| 34. | 341 | POWAR SAYALI RAJU |
| 35. | 342 | RANSING VAISHNAVI SUNIL |
| 36. | 343 | RATNAPARKHI ANIKET GIRISHRAO |
| 37. | 344 | RICHARDSON CHARMINE |
| 38. | 345 | SAPRE MADHURA VIKAS |
| 39. | 346 | SAVASE BHAGYASHREE HARIDAS |
| 40. | 348 | SHAIKH SUFIYAN MOHAMADASLAM |
| 41. | 349 | SHINDE VAISHNAVI RAJKUMAR |
| 42. | 350 | SHIRKE DISHA AJAY |
| 43. | 351 | SUNDRIK KRANTI GORAKH |

Principal

P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.






2020-2021

NuLife PHARMACEUTICALS

PLOT NO. 83, F-2 BLOCK, MID C,
PIMPRI INDUSTRIAL AREA,
PIMPRI (PUNE-411 018 (M.S.) INDIA)
TEL : +91 20 21113044 2113045
FAX : +91 20 21130430
E mail : contactus@nulifepharm.com
Website : www.nulifepharm.com



To,
Principal
PES Modern College of Pharmacy
Sector 21, Yamunanagar
Nigdi, Pune 411044

Date: 2nd Mar., 2021


CERTIFICATE


This is to certify that Mr. / Ms. Nikita Yashwant Jadhav, student of B.
Pharm Final year of PES Modern College of Pharmacy, Sector 21,
Yamunanagar, Nigdi, Pune 411 044 has successfully completed his / her
one month In-plant training during 2nd March., 2021 to 2nd April., 2021 in
Nulife Pharmaceuticals Pimpri, Pune.


His / Her attendance was regular and conduct was satisfactory.

Best wishes for his / her future.

For NULIFE PHARMACEUTICALS


SUDHIR DEVALE
HR MANAGER




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.


REGD. OFFICE : 203, PLEASANT APARTMENTS, 15TH LANE, PRABHAT ROAD, PUNE 411 004 (MAHARASHTRA) INDIA
TEL. : +91 20 25676473, 25678942 FAX : +91 20 25678872 Email : contactus@nulifepharm.com Website : www.nulifepharm.com



2021-2022

NuLife PHARMACEUTICALS

PLOT NO. 63, F-2 BLOCK, M.I.D.C.,
PIMPRI INDUSTRIAL AREA,
PIMPRI, PUNE 411 018 (M.S.) INDIA
TEL : +91 20 27130346, 27130746
FAX : +91 20 27130520
Email : contactus@nulfepharma.com
Website : www.nulfepharma.com



To,
Principal
PES Modern College of Pharmacy
Sector 21, Yamunanagar
Nigdi, Pune – 411 044

Date: 2nd Sept., 2021

CERTIFICATE

This is to certify that Mr. / Ms. Sayali Raju Powar student of B. Pharm Final year of PES Modern College of Pharmacy, Sector 21, Yamunanagar, Nigdi, Pune – 411 044 has successfully completed his / her one month In-plant training during 2nd Aug., 2021 to 2nd Sept., 2021 in Nulife Pharmaceuticals Pimpri, Pune.


His / Her attendance was regular and conduct was satisfactory.

Best wishes for his / her future.

For NULIFE PHARMACEUTICALS


SUDHIR DEVALE
HR MANAGER




Principal
PES Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

REGD. OFFICE : 203, PLEASANT APARTMENTS, 15 TH LANE, PRABHAT ROAD, PUNE 411 004 (MAHARASHTRA) INDIA
TEL : +91 20 25676473, 25678942 FAX : +91 20 25678872 Email : contactus@nulfepharma.com Website : www.nulfepharma.com



NuLife PHARMACEUTICALS

PLT NO. 63 F - 2 BLOCK MID C.
INDUSTRIAL AREA,
PUNE 411 018 (M S) INDIA
TEL : +91 20 27130346, 27130746
FAX : +91 20 27130625
E-mail : contactus@nulifepharm.com
Website : www.nulifepharm.com



To,
Principal
PES Modern College of Pharmacy
Sector 21, Yamunanagar
Nigdi, Pune 411044

Date: 7th Oct., 2021

CERTIFICATE

This is to certify that Mr. / Ms. Nitesh Shankar Sawant student of B. Pharm Final year of PES Modern College of Pharmacy, Sector 21, Yamunanagar, Nigdi, Pune 411 044 has successfully completed his / her one month In-plant training during 7th Sep., 2021 to 7th Oct., 2021 in Nulife Pharmaceuticals Pimpri, Pune.


His / Her attendance was regular and conduct was satisfactory.

Best wishes for his / her future.

For NULIFE PHARMACEUTICALS


SUDHIR DEVALE
HR MANAGER




Principal
P.E.S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

REGD. OFFICE : 203, PLEASANT APARTMENTS, 15TH LANE, PRABHAT ROAD, PUNE 411 004 (MAHARASHTRA) INDIA
TEL : +91 20 25676473, 25678942 FAX : +91 20 25678872 Email : contactus@nulifepharm.com Website : www.nulifepharm.com



NuLife PHARMACEUTICALS

To
The Principal
Modern college of pharmacy, Nigdi,
Pune- 411044

203, PLEASANT APARTMENTS
15 TH LANE, PRABHAT ROAD,
PUNE 411004, MAHARASHTRA, INDIA
PHONE +91 20 25676473, 25678942
FAX +91 20 25678872
Email: contactus@nuliapharma.com
Website: www.nuliapharma.com



Date- 27/08/2021

CERTIFICATE

This is to certify that Miss. *Urvi Vijay Deshpande* student of B.Pharm Final year Modern College of pharmacy, Nigdi, Pune has successfully completed her one month In-plant training during 27 July 2021 to 26 Aug 2021 in Nulife Pharmaceuticals Pimpri, Pune.

Her attendance was regular and conduct was satisfactory.

Best wishes for her future.



For Nulife Pharmaceuticals

Mr. Amar Shelke

(Training officer)



Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamenanagar, Nigdi,
Pune - 411 044.


FACTORY : PLOT NO 63, F - 2, M.I.D.C., PIMPRI INDUSTRIAL AREA, BEHIND TELCO, PIMPRI, PUNE 411018 (MAHARASHTRA), INDIA
TEL : +91 20 27130346, 27130746 FAX : +91 20 27130620 Email : contactus@nuliapharma.com Website : www.nuliapharma.com

Scanned with CamScanner



NuLife PHARMACEUTICALS

PLOT NO 63, F-2 BLOCK, MIDC,
PIMPRI INDUSTRIAL AREA,
PIMPRI, PUNE 411 018 (M.S.) INDIA
TEL : +91 20 27130340, 27130746
FAX : +91 20 27130620
Email : contactus@nulifepharma.com
Website : www.nulifepharma.com



To,
Principal
PES Modern College of Pharmacy
Sector 21, Yamunanagar
Nigdi, Pune – 411 044

Date: 16th Sept., 2021


CERTIFICATE


This is to certify that Mr. / Ms. Rutuja Vitthal Giri student of B. Pharm Final year of PES Modern College of Pharmacy, Sector 21, Yamunanagar, Nigdi, Pune – 411 044 has successfully completed his / her one month In-plant training during 16th Aug., 2021 to 16th Sept., 2021 in Nulife Pharmaceuticals Pimpri, Pune.


His / Her attendance was regular and conduct was satisfactory.

Best wishes for his / her future.

For NULIFE PHARMACEUTICALS


SUDHIR DEVALE
HR MANAGER




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

REGD. OFFICE : 203, PLEASANT APARTMENTS, 15 TH LANE, PRAHAT ROAD, PUNE 411 004 (MAHARASHTRA) INDIA
TEL : +91 20 25676473, 25678942 FAX : +91 20 25678872 Email : contactus@nulifepharma.com Website : www.nulifepharma.com



NuLife PHARMACEUTICALS

Plot No. 51, F-2 Block MIDC
Pimpri Industrial Area,
Pimpri Pune 411 018 (M.S.) INDIA
TEL : +91 20 271 30346, 271 30746
FAX : +91 20 271 30620
E-mail : contactus@nulifepharma.com
Website : www.nulifepharma.com



To,
Principal
PES Modern College of Pharmacy
Sector 21, Yamunanagar
Nigdi, Pune 411044

Date: 9th Aug., 2021

CERTIFICATE

This is to certify that Mr./ Ms. Omkar Aher student of B. Pharm Final year of PES Modern College of Pharmacy, Sector 21, Yamunanagar, Nigdi, Pune - 411 044 has successfully completed his / her one month In-plant training during 9th July 2021 to 9th Aug., 2021 in Nulife Pharmaceuticals Pimpri, Pune.


His / Her attendance was regular and conduct was satisfactory.

Best wishes for his / her future.

For NULIFE PHARMACEUTICALS


SUDHIR DEVALE
HR MANAGER




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

REGD. OFFICE : 203, PLEASANT APARTMENTS, 15TH LANE, PRABHAT ROAD, PUNE 411 004 (MAHARASHTRA) INDIA
TEL : +91 20 25675473, 25678942 FAX : +91 20 25678872 Email : contactus@nulifepharma.com Website : www.nulifepharma.com



TIE-UPS: Dr. D. Y. Patil Institute
of Pharmaceutical Sciences
and Research, Pimpri, Pune

Summary of activities under MOU

| Sr no | Academic Year | Name of Activity | No of beneficiaries | Start Date | End Date |
|-------|---------------------------|---------------------------|---------------------|------------|------------|
| 1 | 2019-2020 | 1. Library books sharing | 1 | 04/09/2019 | 11/09/2019 |
| | | 2. Library books sharing | 1 | 18/11/2019 | 21/11/2019 |
| | | 3. Library books sharing | 1 | 25/11/2019 | 25/11/2019 |
| 2 | 2020-2021 | 1. Library books sharing | 1 | 19/01/2021 | 19/01/2021 |
| | | 2. Library books sharing | 1 | 19/01/2021 | 20/01/2021 |
| 3 | 2022-2023 | 1. Collaborative Research | 1 | 02/06/2022 | 12/07/2022 |
| | | 2. Collaborative Research | 2 | 05/02/2022 | 07/05/2022 |
| | | 3. Collaborative Research | 2 | 08/04/2022 | 01/10/2022 |
| | | 4. Collaborative Research | 1 | 08/04/2022 | 01/10/2022 |
| | | 5. Collaborative Research | 1 | 02/01/2022 | 07/06/2022 |
| | | 6. Library books sharing | 1 | 25/07/2022 | 17/08/2022 |



Knowledge is power

Dr. D. Y. Patil Vidya Pratishthan Society's
**PADMASHREE Dr. D. Y. PATIL INSTITUTE OF
PHARMACEUTICAL SCIENCES AND RESEARCH, PUNE**
(Affiliated to University of Pune ID No. PU/PN/Pharm/104/94)
(Approved by All India Council for Technical Education & Recognised by Pharmacy Council of India)

Dr. P. D. Patil
Chairman

Mrs. B. P. Patil
Vice Chairman

Dr. S. S. Chitlange
Principal

Ref. No. : DYPISR/Acad-Tieup/165(A)/2012

Date : 20/06/2012

ACADEMIC TIE-UP

Progressive Education Society's Modern College of Pharmacy, Sector no-21, Yamunanagar, Nigdi, Pune 411044, herein referred as the **FIRST PARTY** (which term unless the context otherwise requires shall include its representatives, successors of assignees of first party)

Dr. D. Y. Patil Vidya Pratishthan Society's Padmashree Dr. D. Y. Patil Institute of Pharmaceutical Sciences & Research, Pimpri, Pune. 411018, herein after referred as the **SECOND PARTY** (which term unless the context otherwise requires shall include its representatives, successors of assignees of first party)

PREAMBLE

a) P. E. Society's Modern College of Pharmacy, Nigdi, Pune.

It is a premium institute imparting education in Pharmaceutical Sciences as well as carrying out research in Pharmaceutical Science. It is recognized by the AICTE, PCI and permanently affiliated to University of Pune. The Institute is approved under Section 2(f) and 12(B) of the UGC Act, 1956. Recently, the institute is recognized as a Ph.D. research centre for Pharmaceutics and Pharmaceutical Chemistry by the University of Pune. Due to the dedicated and competent faculty, up-dated curriculum, innovative methods of instructions and excellent laboratory facilities, it has been attracting students from all over India and outside. The library is enriched with Chemical Abstracts (1907-1986) and has subscribed to more than 3900 e-journals. The college has also subscribed to various national programs such as, National Program on Technology Enhanced Learning (NPTEL) and National Library and Information Services Infrastructure for Scholarly Content NLIST a Program at INFLIBNET. The college library has maintained a well furnished language laboratory and audio-visual room.



Principal

Sant Tukaram Nagar, Pimpri, Pune - 411018, Maharashtra, India. Phone : 020-27420261
• Email : info.pharmacy@dypvp.edu.in • pharmacy.dypvp.edu.in



b) Dr. DYPVP Society's Pad. Dr. D. Y. Patil Institute of Pharmaceutical Sciences & Research, Pimpri, Pune is a pioneer pharmacy institute of Pimpri- chinchwad area established in 1994. It is approved by AICTE, PCI and University of Pune. Institute is accredited by National Board of Accreditation (NBA), New Delhi and is ISO 9001:2008 Certified. The Institute has well-equipped laboratories with ultra modern facilities supported by highly qualified teaching faculty in all branches created by the institute. The institute has invested more than 2 cores on equipments. The institute has well furnished Central Library facility with reference books, text books, national and international journals and internet facility as a part of informal teaching. The institute has "Centre for Innovative Pharmaceutical Education, Research & Development (CIPERD) which is a separate constituent unit of Padmashree Dr. D. Y. Institute of Pharmaceutical Sciences and Research, affiliated to University of Pune offering Ph.D programmes in Pharmaceutics, Pharmaceutical Chemistry, Pharmacology and Pharmacognosy.

GOALS OBJECTIVES


The **FIRST PARTY** is engaged in teaching and research in Pharmaceutical Science.

The **SECOND PARTY** is engaged in teaching and research in Pharmaceutical Science,

The **FIRST PARTY** and the **SECOND PARTY** have agreed to work under following terms for mutual benefit **lifetime** such as:

1. Usage of library books, study material, e-journals, etc, under the Inter-Library Loan (ILL) facility, by the students and faculty with prior permission of Head of the institutes of both the parties.
2. Usage of instrumental facilities as a part of collaborative research or hiring services by the students and faculty with prior permission of Head of the institutes of both the parties.
3. Both the parties may get involve in co-organizing guest lecture, seminar, conferences, workshops as well as share feedback on curriculum, co-curricular and extracurricular activities and expertises of faculty in both way.




Principal
P. E. S. Modern College of Pharmacy
Sector No 21, Yamunanagar, Nigdi,
Pune - 411 044.

2 of 3



Now this deed of academic tie-up is agreed by and between the parties under following terms and condition:

TERMS AND CONDITIONS:

1. The library facilities will be shared at the premises of **BOTH THE PARTIES** as per the need of work mutually agreed upon we.f. 20th June, 2012.
2. **BOTH THE PARTIES** may allow students of B. Pharm., M.Pharm and Ph.D. to utilize the expertise of faculty and/or students of their organizations. The required books and/or study material will be issued to the students (if applicable) for their studies other than those available with **SECOND PARTY** and are to be made available by **FIRST PARTY and Vice Versa**.
3. The instrumental facilities will be shared at the premises of **BOTH THE PARTIES** as per the need of work mutually agreed upon.
4. Under Collaborative research projects any outcome in the form of Patent / publication(s) related to the work/study shall be acknowledge the assistance provided (if any) by the **FIRST PARTY and vice-versa**.
5. **BOTH THE PARTIES** may share feedback on curriculum, co-curricular and extracurricular activities and expertises of faculty in Both ways.
6. **BOTH THE PARTIES** may get involve in co-organizing guest lecture, seminar, conferences and workshops
7. Any dispute arising shall be settled through mutual negotiations only without recourse to resolving the dispute by legal means.

Dr. P. D. Chaudhari
Principal
Progressive Education Society's
Modern College of Pharmacy,
Sector no-21, Yamunanagar,
Nigdi, Pune 411044.
Contact: 9890179873



Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

Dr. S. S. Chitlange
Principal
D.Y.Patil Vidya Pratishthan Society's
Dr. D.Y.Patil Institute of
Pharmaceutical Sciences & Research,
Pimpri, Pune
Contact:020-27420261





Progressive Education Society's
MODERN COLLEGE OF PHARMACY

Accredited by NAAC & NBA
DST FIST Funded College

'Best College Award' by Savitribai Phule Pune University

Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently affiliated to
Savitribai Phule Pune University, Pune & Approved under Section (2 (f) & 12 (B) of UGC Act, 1956

Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044. (M.S.) Tel. : 020-27661314 / 15

E-mail : mcpnigdi44@gmail.com Website : www.mcop.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. Gajanan R. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council
P.E.Society, Pune

Ref :

Date :

Summary of Activity done under MOU Year wise

Name of concern Institute: Dr. D. Y. Patil Institute of Pharmaceutical Sciences and Research,
Pimpri, Pune

Date of MOU: 20/06/2012 to (TIE-UPS)

Validity Period of MOU: Lifetime

| Sr no | Academic Year | Name of Activity | No of beneficiaries | Start Date | End Date |
|-------|---------------|---------------------------|---------------------|------------|------------|
| 1 | 2019-2020 | 1. Library books sharing | 1 | 04/09/2019 | 11/09/2019 |
| | | 2. Library books sharing | 1 | 18/11/2019 | 21/11/2019 |
| | | 3. Library books sharing | 1 | 25/11/2019 | 25/11/2019 |
| 2 | 2020-2021 | 1. Library books sharing | 1 | 19/01/2021 | 19/01/2021 |
| | | 2. Library books sharing | 1 | 19/01/2021 | 20/01/2021 |
| 3 | 2022-2023 | 1. Collaborative Research | 1 | 02/06/2022 | 12/07/2022 |
| | | 2. Collaborative Research | 2 | 05/02/2022 | 07/05/2022 |
| | | 3. Collaborative Research | 2 | 08/04/2022 | 01/10/2022 |
| | | 4. Collaborative Research | 1 | 08/04/2022 | 01/10/2022 |
| | | 5. Collaborative Research | 1 | 02/01/2022 | 07/06/2022 |
| | | 6. Library books sharing | 1 | 25/07/2022 | 17/08/2022 |

Dr. Pravin D. Chaudhari
Principal and Professor



MoU Incharge

Dr. D. Y. Patil Institute of Pharmaceutical Sciences and
Research, Pimpri, Pune



STRIVING TOWARDS EXCELLENCE FOREVER



2019-2020

| DR.D.Y. PATIL INSTITUTE OF PHARMACEUTICAL SCIENCES AND RESEARCH PIMPRI, PUNE-18 | |
|---|--|
| INTER LIBRARY LOAN FACILITY | |
| USER FORM | |
| Name of Institute | P. E. Society's Modern College of Pharmacy, Nigdi, Pune - 44 |
| Name of User | Ghoive Prachi D |
| Designation/Department | Research Scholar / Pharmacology |
| Purpose of Visit | book referencing |
| Mobile No. of User | |
| Date of Visit | 04/09/2019 |
| Title of book (in case of issue) | Poucher's Perfume Cosmetics & Soaps |
| Date of Issue | 04/09/2019 |
| Date of return of book (To be returned on or before) | 11/09/2019 |
| Signature of User | Prachi |

Kindly allow our faculty/ student to use your library services.

Thanking you

(Seal of Institute)

(Seal of Institute)

The above-institution user is allowed to use our library facilities.

(Seal of Institute)

Principal
P.E.S. Modern College of Pharmacy,
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

Principal
P.E.S. Modern College of Pharmacy,
Nigdi, Pune - 44

Principal
Dr.D.Y. Patil Institute of Pharmaceutical Sciences and
College of Pharmacy, Pimpri, Pune-18



DR.D.V. PATIL UNITECH SOCIETY'S
DR.D.Y. PATIL INSTITUTE OF PHARMACEUTICAL SCIENCES AND RESEARCH PIMPRI,
PUNE-18

INTER LIBRARY LOAN FACILITY

USER FORM

| | |
|---|--|
| Name of Institute | P. E. Society's Modern College of Pharmacy, Nigdi, Pune - 44 |
| Name of User | Kharade Rohit |
| Designation/Department | Research scholar - pharmacy |
| Purpose of Visit | Researching books |
| Mobile No. of User | |
| Date of Visit | 18/11/19 |
| Title of book (in case of issue) | Computer Aided applications in pharmacy tech |
| Date of Issue | 18/11/19 |
| Date of return of book (To be returned on or before) | 21/11/19 |
| Signature of User | Rohit |

Kindly allow our faculty/ student to use your library services.

Thanking you



(Seal of Institute)
P.E.S.'s, Modern College of Pharmacy,
Nigdi, Pune - 44

Principal

The above-mentioned user is allowed to use our library facilities.

(Seal of Institute)



Principal
Dr.D.V. Patil Institute of Pharmaceutical Sciences and
Research, Pimpri, Pune-18

Principal
P. E. S. Modern College of Pharmacy
Sector No 21, Yamanagar, Nigdi,
Pune - 411 044.



DR.D.Y. PATIL UNITECH SOCIETY'S
DR.D.Y. PATIL INSTITUTE OF PHARMACEUTICAL SCIENCES AND RESEARCH PIMPRI,
PUNE-18

INTER LIBRARY LOAN FACILITY

USER FORM

| | |
|---|--|
| Name of Institute | P. E. Society's Modern College of Pharmacy, Nigdi, Pune - 44 |
| Name of User | Mokase Sagar |
| Designation/Department | Research Scholar Pharmacology |
| Purpose of Visit | Book Referencing |
| Mobile No. of User | 9850010131 |
| Date of Visit | 25/11/2019 |
| Title of book (in case of issue) | Pharmaceutical Manufacturing |
| Date of Issue | Handwritten by user |
| Date of return of book (To be returned on or before) | - |
| Signature of User | Handwritten signature |

Kindly allow our faculty/ student to use your library services.

Thanking you



PES'S Modern College of Pharmacy,
Nigdi, Pune - 44

The above-mentioned user is allowed to use our library facilities

(Seal of Institute)



Dr.D.Y. Patil Institute of Pharmaceutical Sciences and
Research, Pimpri, Pune-18



Principal
P. E. S. Modern College of Pharmacy
Sector No. 21, Yamunanagar, Nigdi,
Pune - 411 044.



DR.D.Y. PATIL UNITECH SOCIETY'S
DR.D.Y. PATIL INSTITUTE OF PHARMACEUTICAL SCIENCES AND RESEARCH PIMPRI,
PUNE-18

INTER LIBRARY LOAN FACILITY

USER FORM

| | |
|---|--|
| Name of Institute | P. E. Society's Modern College of Pharmacy, Nigdi, Pune - 44 |
| Name of User | P.V. Pallewar Rathi |
| Designation/Department | Asst. Professor / Pharm. Chemistry |
| Purpose of Visit | Seveline Benthon e Journal |
| Mobile No. of User | 9823720695 |
| Date of Visit | 9/01/21 |
| Title of book (In case of issue) | medicinal chemistry |
| Date of Issue | 13/01/21 |
| Date of return of book (To be returned on or before) | 20/01/21 |
| Signature of User | |

Kindly allow our faculty/ student to use our library services.

Thanking you



PES'S, Modern College of Pharmacy,
Nigdi, Pune - 44

The above-mentioned user is allowed to use our library facilities.

(Seal of Institute)



Dr.D.Y. Patil Institute of Pharmaceutical Sciences and
Research, Pimpri, Pune-18



Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamanagar, Nigdi,
Pune - 411 044.

2022-2023

Original Article

Preliminary pharmacognostic, physicochemical and phytochemical evaluation of *Sansevieria cylindrica* leaves

Sunil Shewale¹, Vaishali Undale^{2*}, Maruti Shelar³, Virushali Bhalchim⁴, Mohini Kuchekar⁵, Bhagyashri Warude⁶, Vikas Wawale⁷¹ Research scholar, Department of Pharmacology, Dr. D. Y. Patil Institute of Pharmaceutical Sciences & Research, Pune, University of Pune, Maharashtra (India).² HOD-Department of Pharmacology, Dr. D. Y. Patil Institute of Pharmaceutical Sciences, & Research, Pune, University of Pune, Maharashtra (India).³ Associate Professor, Department of Pharmacognosy, Dr. D. Y. Patil Institute of Pharmaceutical Sciences, and Research, Pune, University of Pune, Maharashtra (India).⁴ Research scholar, Department of Pharmacology, Dr. D. Y. Patil Institute of Pharmaceutical Sciences & Research, Pune, University of Pune, Maharashtra (India).⁵ Assistant Professor, Department of Pharmacognosy, Modern College of Pharmacy, Nigdi, University of Pune, Maharashtra (India).⁶ Assistant Professor, Department of Pharmaceutical Chemistry, Rasiklal M. Chariwal College of Pharmacy, Pune, University of Pune, Maharashtra (India).⁷ Manager, Quality Assurance, Synapse Labs India Pvt. Ltd., Pune, Maharashtra (India).Email: vaishali.undale@dypr.edu.in²

DOI:

Abstract

Background: *Sansevieria cylindrica* (*S. cylindrica*) Bojer ex Hook. (Asparagusaceae) is an indoor ornate plant. The plant was conventionally utilized by the local healers during deliberate, and accidental injuries. The pharmacognostic study of this plant with different parameters was very poorly explored. Hence, the present investigation was carried out to explore, and evaluate different characteristics of the plant. **Aim:** To explore the preliminary pharmacognostic, physicochemical, phytochemical, microscopic, and phytoconstituents potential of *S. cylindrica* leaves for authentication of the plant. **Method:** The morphology, and microscopic properties of plant leaves were evaluated. The herbal standardization was then carried out based on physicochemical parameters including ash values, extractive values, and fluorescence analysis. The qualitative evaluation of phytoconstituents was performed using different chemical tests followed by quantitative estimation of important phytochemical, and analytical profiling of extract. **Result:** The macroscopy has studied for the basic features like colour, size, odor, shape, taste, surface, and fracture of plant leaves. The microscopical study confirms the presence of vessels, vascular bundles, lignified fibers, and calcium oxalate crystals etc. Physicochemical evaluation showed less quantity of inorganic matter present in the plant. Preliminary phytochemical analysis confirms the presence of glycosides, phenolic compounds, tannins, saponins, flavonoids, steroids, and carbohydrates. Instrumental analysis has given an idea about the identification, and confirmation of various phytoconstituents in the extract. **Conclusion:** The result of the present study can be meaningfully used as a reference for the standardization, and quality control of *S. cylindrica* and for the authentication, and preparation of monograph of the plant.

Keywords: *Sansevieria cylindrica*, Asparagusaceae, pharmacognostic, phytochemical, physicochemical study.

1. INTRODUCTION

The utilization of medicinal plants against various health issues is a historical practice in many developing countries, and this kind of knowledge has been transmitted among communities from one generation to other¹. Medicinal plants are considered a potential source of raw materials, which are used for the manufacturing allopathy drugs. Many of the bioactive constituents of plants are being explored through their synergistic effect with chemicals and using synthetic chemistry to develop new drugs². The medicines derived from plants are relatively considered safe, and affordable as compared to the synthetic alternatives offering profound therapeutic benefits³. However, in developed countries, the use of alternative medicines is always restricted because of a lack of documented evidence to its various assessment, and quality control measures⁴. Hence, its standardization through appropriate depiction of its pharmacognostic, physicochemical, and phytochemical parameters is a crucial stage to confirm the reproducible quality of herbal medication to aid us to justify its safety, and effectiveness.

Journal of Pharmaceutical Negative Results | Volume 13 | Special Issue 1 | 2022

1253



Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

Macroscopic and Microscopic Evaluation of *Sansevieria cylindrica* Plant

Sunil Shewale¹, Vaishali Undale^{1*}, Maruti Shelar², Bhushan Pimple³, Mohini Kuchekar³, Vrushi Bhalchim¹

Sunil Shewale¹, Vaishali Undale^{1*}, Maruti Shelar², Bhushan Pimple³, Mohini Kuchekar³, Vrushi Bhalchim¹

¹Department of Pharmacology, Dr. D. Y. Patil Institute of Pharmaceutical Sciences and Research, University of Pune, Maharashtra, INDIA.

²Department of Pharmacognosy, Dr. D. Y. Patil Institute of Pharmaceutical Sciences and Research, University of Pune, Maharashtra, INDIA.

³Department of Pharmacognosy, P.E. Society's Modern College of Pharmacy, University of Pune, Maharashtra, INDIA.

Correspondence

Dr. Vaishali Undale

HOD, Department of Pharmacology, Dr. D. Y. Patil Institute of Pharmaceutical Science and Research Pune-411018, Maharashtra, INDIA.
Email id: vaishali.undale@dyip.edu.in
DOI: 10.5530/phcogres.2022.14.4.80

History

- Submission Date: 09-08-2022;
- Review completed: 02-09-2022;
- Accepted Date: 24-09-2022.

DOI : 10.5530/phcogres.2022.14.4.80

Article Available online
<https://www.phcogres.com/v14i4>

Copyright

© 2022 Author(s). This is an open-access article distributed under the terms of the Creative Commons Attribution 4.0 International license.



412

ABSTRACT

Aim and Objectives: The exploitation, adulteration and substitution of herbs is major hurdle for development of commercial natural products. Thus, the microscopic evaluation is the first step towards standardization of medicinal plant. A leaf from *Sansevieria cylindrica* Bojer ex Hook is examined both macroscopically and microscopically in the current study. **Materials and Methods:** *Sansevieria cylindrica* Bojer ex Hook (Asparagusaceae) is an indoor ornamental plant. Macroscopic characteristics viz. size and shape, colour, odour and taste were studied. Microscopic evaluations were performed by means of high-resolution microscope. Anatomy of the leaves was examined by following standard method of section cutting. **Results:** The macroscopic assessment showed that the plant leaves are light to dark green in colour having highly fibrous structure. Stomatal constants of 230, 19.8% stomatal index, 53.34/mm² vein islet number, and 79.12/mm² vein termination number were noted in the leaves. Anomocytic stomata, unicellular trichomes, xylem fibres, oxalate crystals, vascular bundles, etc. were all revealed in detailed microscopy. **Conclusion:** The macroscopic and microscopic findings of the *Sansevieria cylindrica* leaf are applicable for standardization and authentication of plant. **Keywords:** *Sansevieria cylindrica*, Stomata, Xylem, Microscopy, Quality, Purity etc.

INTRODUCTION

In the process of scientific research and botanical quality control the morphological, anatomical, and microscopic characterization has immense importance.^[1] The characteristics are applied for authentication of the plants and also for detection of contaminations, adulteration and substitutions in plant products.^[2-3] For microscopic standardization evaluation of structural, cellular and molecular aspects of herb or herbal parts is performed with various microscopic techniques.^[4] As mentioned in many pharmacopoeias microscopy has been used since long time to identify herbal products. Microscopic studies are preferred due to numerous advantages such as need of small amount of sample, rapidity, reliability, cost effectiveness and simplicity of the procedures.^[5]

Sansevieria cylindrica plant is an indigenous plant of the subtropical province of the African continent and planted in Egypt, India for decorative purpose and belongs to family Asparagusaceae.^[6,7] It is also called as Snake plant. It grows up to 2 m (7 ft) above soil having snake tongue shaped having stripes, longer, smooth, greenish-gray sub-cylindrical leaves up to 3 cm (1 inch) diameter.^[8] The plant has many medicinal, hence its standardization through appropriate depiction of its quality parameters is needed and is a crucial stage.

The macroscopic and microscopic characters of *Sansevieria cylindrica* were evaluated in this study with an aim to identify its imperative features so that they can be effectively applied for herbal and herbal

products standardization. The studies will aid to justify safe and effective use of herb as medicine by ensuring quality of the herb used.

MATERIALS AND METHODS

Collection and authentication of plant

The fresh whole plant *Sansevieria cylindrica* was obtained from the Mehenduri village of Tehsil-Akole, District-Ahmednagar, Maharashtra, India. The leaves of plant were then subjected to washing to clearway dust matters and unwanted debris. The herbarium of the plant was prepared and it was sent to Western Regional Center, Botanical Survey of India (BSI), Pune, Maharashtra, India for authentication. The leaves were shade dried and crushed in to powder using an electrical grinder, then sieved by using 20 mesh and stored in an air tight container for further studies.

Chemicals

The chemicals used in the study were of analytical grade and includes Phloroglucinol, Glycerin, Chloral hydrate, etc.

Macroscopic evaluation of plant

Macroscopic evaluation of *Sansevieria cylindrica* leaves have been accomplished according to WHO Quality Control methods of herbal medicine. The colour, size, odor, shape, taste, surface and fracture

Cite this article: Shewale S, Undale V, Shelar M, Pimple B, Kuchekar M, Bhalchim V. Macroscopic and Microscopic Evaluation of *Sansevieria cylindrica* Plant. Pharmacogn Res. 2022;14(4):412-8.



Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yambunanagar, Nigdi,
Pune - 411 044.

Annals of Phytomedicine 11(2): 787-793, 2022

DOI: <http://dx.doi.org/10.54085/ap.2022.11.2.97>Annals of Phytomedicine: An International Journal
<http://www.ukaazpublications.com/publications/index.php>

Print ISSN : 2278-9839

Online ISSN : 2393-9885



Original Article : Open Access

Morphological and anatomical characterization of *Plumeria obtusa* L.: An Ayurvedic medicinal plant

Sunil Shewale, Vaishali Undale*, Maruti Shelar*, Bhushan Pimple**, Mohini Kuchekar**, Vrushali Bhalthim and Bhagyashri Warude***

*Department of Pharmacology, Dr. D. Y. Patil Institute of Pharmaceutical Sciences and Research, Savitribai Phule Pune University, Pune-411018, Maharashtra, India

**Department of Pharmacognosy, Dr. D. Y. Patil Institute of Pharmaceutical Sciences and Research, Savitribai Phule Pune University, Pune-411018, Maharashtra, India

***Department of Pharmaceutical Chemistry, Rasiklal M. Dharwad College of Pharmacy, Savitribai Phule Pune University, Pune-411019, Maharashtra, India

Article Info

Article history

Received 2 November 2022

Revised 20 December 2022

Accepted 21 December 2022

Published Online 30 December 2022

Keywords

Plumeria obtusa L.

Stomata

Xylem

Microscopy

Quality

Purity

Abstract

The development of commercial natural products has significant obstacles due to the exploitation, adulteration and substitution of herbs. In order to standardize medicinal plant, the morphological microscopic inspection is the initial stage. The present investigation deals with morphological evaluation of leaf, seed pod, flowers and anatomical evaluation of *Plumeria obtusa* L., seed pod. *P. obtusa* (Apocynaceae) is an outdoor decorative plant. Size, colour, odour and taste of plant material were evaluated under morphological features. The traditional procedure of section cutting was used to analyze the seed pod's anatomy. Using a high-resolution microscope, examinations of microscopic structures were carried out. The plant's leaves are dark green colour, thick and leathery according to the morphological inspection. The winged seed pods are brown to dark brown at maturity stage having T shape double pod with coarse texture. Stomatal number (7-9 sq. mm), stomatal index (21.88-24.32%), vein islet number (12-15/mm²) and vein termination number (16-20/mm²) were observed in leaf constant evaluation. Cycloeytic and sunken stomata, lignified peripheral and xylem fibres, rhomboidal shape calcium oxalate crystals, vascular bundles, etc., were all discovered in detailed microscopical study. The morphology of leaves and microscopic findings of the plant *P. obtusa* can be used for standardization and authentication.

1. Introduction

Quality control evaluation of ethnomedicine helps in their regulation or authentication purpose (Kumar *et al.*, 2022). The WHO also stressed the need to investigate medicinal plants to understand better their properties, safety and efficacy (Warrier, 2021). In the process of scientific research and botanical quality control, the morphological, anatomical, and microscopic characterization of plants has immense importance (Grazina *et al.*, 2020). The characteristics are applied for authentication of the plants and also for detection of contaminations, adulteration and substitutions in plant products (Michetti *et al.*, 2019; Upton *et al.*, 2011). For microscopic standardization evaluation of structural, cellular and molecular aspects of herb or herbal parts is performed with various microscopic techniques (Tam *et al.*, 2006). As mentioned in many pharmacopoeias, microscopy has been used

since long time to identify herbal products. Microscopic studies are preferred due to numerous advantages such as need of small amount of sample, rapidity, reliability, cost effectiveness and simplicity of the procedures (An *et al.*, 2009).

P. obtusa plant is geographically distributed in northern central America and southern Mexico, Greater Antilles as well as in Florida (Herbal and Natural Medicine, 2021; Nabi and Lalit, 2017). *P. obtusa* is a member of the Apocynaceae family, with common names such as Champa (India), Singapore graveyard flower (Singapore), Melia (Hawaii), White Frangipani (Australia), Araliya (Sri Lanka) and Temple tree (United Kingdom) (Bihani *et al.*, 2021). The *P. obtusa* has many medicinal uses (Bihani *et al.*, 2021; Dogra, 2016; Shinde *et al.*, 2014). Therefore, it is necessary and an important step to standardize it through the suitable depiction of its quality standards.

The morphological and anatomical characters of *P. obtusa* were evaluated in this study with an aim to identify its imperative features so that they can be effectively applied for herbal and herbal products standardization. The studies will aid to justify safe and effective use of herb as medicine by ensuring quality of the herb used.

Corresponding author: Dr. Vaishali Undale

Department of Pharmacology, Dr. D. Y. Patil Institute of Pharmaceutical Sciences and Research, Savitribai Phule Pune University, Pune-411018, Maharashtra, India.

E-mail: vaishali.undale@dypp.edu.in

Tel.: +91-9372435353

Copyright © 2022 UKAAZ Publications. All rights reserved.
Email: ukaz@yaho.com; Website: www.ukaazpublications.com

Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

In-silico investigation of phytoconstituents from Plumeria obtusa and Sansevieria cylindrica plants for assessment of anti-venom activity against snake venom

Section: Research



In-silico investigation of phytoconstituents from *Plumeria obtusa* and *Sansevieria cylindrica* plants for assessment of anti-venom activity against snake venom

Sunil Shewale¹, Vaishali Undale^{1*}, Bhagyashri Warude², Vrushali Bhalthim¹, Mohini Kuchekar³, Jay Gagare¹

¹ Department of Pharmacology, Dr. D. Y. Patil Institute of Pharmaceutical Sciences and Research, Savitribai Phule University of Pune, Maharashtra (India)

² Department of Pharmaceutical Chemistry, Rasiklal M. Dhariwal College of Pharmacy, Savitribai Phule University of Pune, Maharashtra (India)

³ Department of Pharmacognosy, Modern College of Pharmacy, Nigdi, Savitribai Phule University of Pune, Maharashtra (India).

Author's contribution:

- Sunil Shewale: Conceptualization, study design, experimental work, manuscript preparation, data curation
- Vaishali Undale: Conceptualization, Supervision, critical review for intellectual content, editing
 - Bhagyashri Warude: Critical review for intellectual content, editing
 - Vrushali Bhalthim- Experimental work and data curation
 - Mohini Kuchekar: Critical review for intellectual content, editing
 - Jay Gagare: Experimental work and data curation

***Corresponding Author**

Dr. Vaishali Undale,
HOD-Department of Pharmacology,
Dr. D. Y. Patil Institute of Pharmaceutical Sciences and Research Pune,
Maharashtra (India). Pin-411018. Email: vaishali.undale@dypvp.edu.in

Abstract

Background:

Health threat posed by snake bite is one of the most overlooked areas of active research resulting in deaths of thousands of people every year in many impoverished nations. Therefore, improvement of available therapeutic options along with development of other treatment choices is important for snakebite management which could help in reducing the mortality, and morbidity. Taking this in view, the *in-silico* study was conducted.

Aim: To investigate the interaction of phytoconstituents from *Plumeria obtusa* and *Sansevieria cylindrica* plants with various proteins for assessment of anti-venom activity against snake venom.

Methods: A protein data bank was searched for various important enzymes found in different snake venoms, and were saved in the PDB file. The plant phytoconstituents were selected from published literatures. Structure of phytoconstituents were drawn using Chem Draw software and

215

Eur. Chem. Bull. 2023, 12(Special Issue 1), 215-217



Principal

P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

Defence Life Science Journal, Vol. 8, No. 1, January 2023, pp. 29-40, DOI : 10.14429/dlsj.7.18172
© 2023, DESIDOC

Preliminary Pharmacognostic, Physicochemical and Phytochemical Evaluation of *Plumeria-Obtuse* Seed Pods

Sunil Shewale^a, Vaishali Undale^{a*}, Maruti Shelar^a, Bhagyashri Warude^a, Mohini Kuchekar^{a*},
Vrushali Bhalchim^a, Shital Satone^a, Shweta Lembhe^a, Sachin Gundecha^a

^aDepartment of Pharmacology, Dr. D.Y. Patil Institute of Pharmaceutical Sciences & Research,
University of Pune- 411 018, Maharashtra, India

^bDepartment of Pharmaceutical Chemistry, Rashtreeya M. Dharwad College of Pharmacy,
University of Pune- 411 019, Maharashtra, India

^cDepartment of Pharmacognosy, Modern College of Pharmacy, Nigdi, University of Pune- 411 002, Maharashtra, India
*E-mail: vaishali.undale@dypvp.edu.in

ABSTRACT

Plumeria obtusa L. (Apocynaceae) is an ornate outdoor plant. The plant was traditionally used during accidental injuries. However, the pharmacognosy of this plant is very poorly explored. Therefore, we have conducted this study to assess the distinctive qualities of the *P. obtusa*. To investigate *P. obtusa* seed pods' preliminary pharmacognostic, physical-chemical, phytochemical, microscopic, and phytoconstituent potential. Initially, the shape and microscopic characteristics of plant seed pods were assessed. Physicochemical analysis was used for the standardization. Utilizing several chemical techniques, phytoconstituents were evaluated qualitatively. This was followed by quantitative estimation and analytical profiling of various phytoconstituents. The basic characteristics of the seed pod have been documented by macroscopy to be its brown color, sweet aroma, bitter flavor, coarse texture, and rough fracture. Microscopy showed the existence of vascular bundles, lignified fibers, calcium oxalate crystals and arteries. The results of the physicochemical analysis revealed no foreign organic matter, 2.8 % weight-average moisture content and a high total ash value of 14.80 compared to an acid insoluble ash value of 0.70, which indicated that there was less inorganic matter in the plant. The extractive values were 3.93, 6.03 and 10.16 % w/w for water soluble, alcohol soluble and hydro-alcoholic soluble extracts respectively. Flavonoids, glycosides, saponins, phenolic constituents, tannins and carbohydrates were found during early phytochemical analysis. Instrumental analysis has given an idea about functional groups present whereas GCMS technique helped in identification of phytoconstituents. The results of this study can be significantly used as a reference support for quality control and standardization of *P. obtusa* and preparation of a monograph of plant.

Keywords: *Plumeria obtusa*; Pharmacognostic; Phytochemical; Physicochemical Parameters

ABBREVIATIONS:

| | | |
|------|---|--------------------------------------|
| °C | : | Degree celsius |
| Da | : | Daltons |
| EI | : | Electron ionization |
| FTIR | : | Fourier transform infra-red |
| G | : | gram |
| GAE | : | Gallic acid equivalent |
| GCMS | : | Gas chromatography-mass spectroscopy |
| HOD | : | Head of department |
| Hz | : | Hertz |
| LOD | : | Loss on drying |
| ml | : | Milliliter |
| μl | : | Microliter |
| mm | : | Millimeter |
| μg | : | Microgram |
| MHz | : | Megahertz |

| | | |
|------|---|--|
| NIST | : | National Institute of Standards and Technology |
| Nm | : | Nanometer |
| NMR | : | Nuclear magnetic resonance |
| PVDF | : | Polyvinylidene difluoride |
| QE | : | Quercetin equivalent |
| Rf | : | Retention factor |
| Sp | : | Species |
| TLC | : | Thin layer chromatography |
| UV | : | Ultra-violet |
| Wt | : | Weight |
| WHO | : | World Health Organisation |

1. INTRODUCTION

In many developing countries, herbs are used to treat various medical conditions. This awareness has been accepted and approved from one age bracket to another in rural communities.¹ In field of innovative allopathy drug research and development, a lot of bioactive components of plants was investigate through combination with synthetic

Received : 31 May 2022, Revised : 11 October 2022
Accepted : 15 November 2022, Online published : 3 April 2023



Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

29



DR.D.Y. PATIL INSTITUTE OF PHARMACEUTICAL SCIENCES AND RESEARCH PIMPRI,
PUNE-18

INTER LIBRARY LOAN FACILITY

USER FORM

| | |
|---|--|
| Name of Institute | P. E. Society's Modern College of Pharmacy, Nigdi, Pune - 44 |
| Name of User | Varepe Harshada B |
| Designation/Department | Research Scholar - Pharmaceuticals |
| Purpose of Visit | Reference books |
| Mobile No. of User | |
| Date of Visit | 25/7/22 |
| Title of book (in case of issue) | CFA directory |
| Date of Issue | 25/7/22 |
| Date of return of book (To be returned on or before) | 18/8/22 |
| Signature of User | <i>[Signature]</i> |

Kindly allow our faculty/ student to use your library services.

Thanking you -



P.E.S. Modern College of Pharmacy,
Nigdi, Pune - 44

[Signature]
Principal

The above-mentioned user is allowed to use our library facilities.

(Seal of Institute)



[Signature]
Principal
P.E.S. Modern College of Pharmacy,
Nigdi, Pune - 44



[Signature]
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



TIE-UPS: Dr. D. Y. Patil College of Pharmacy, Akurdi, Pune

Summary of activities under MOU

| Sr no | Academic Year | Name of Activity | No of beneficiaries | Start Date | End Date |
|-------|---------------------------|-------------------------------|---------------------|------------|------------|
| 1. | 2018-2019 | 1. Library book sharing | 1 | 13/08/2018 | 15/08/2018 |
| | | 2. Library book sharing | 1 | 13/08/2018 | 15/08/2018 |
| 2. | 2019-2020 | 1. Reference book searching | 1 | 04/09/2019 | 04/09/2019 |
| | | 2. Library book sharing | 1 | 18/11/2019 | 18/11/2019 |
| | | 3. Library book sharing | 1 | 18/11/2019 | 23/11/2019 |
| | | 4. Library book sharing | 1 | 25/11/2019 | 27/11/2019 |
| | | 5. Library book sharing | 1 | 28/11/2019 | 04/12/2019 |
| 3. | 2020-2021 | 1. Journal referring (online) | 1 | 30/08/2020 | 30/08/2020 |
| | | 2. Journal referring | 1 | 23/04/2021 | 23/04/2021 |
| 4 | 2021-2022 | 1. Library book sharing | 1 | 31/08/2021 | 02/09/2021 |
| | | 2. Collaborative research | 1 | 22/06/2021 | 30/05/2022 |



Dr. D. Y. Patil Pratishthan's
Padmashree Dr. D. Y. Patil College of Pharmacy

Sector 29, Pradhikaran, Akurdi, Pune - 411 044. (M.S.)

Phone : +91-020-27854180 Tel. Fax : +91-020-27656141
Web Site : www.dypshamaakurdi.org E-mail : dypcop@gmail.com

Approved by All India Council for Technical Education New Delhi
Recognised by Pharmacy Council of India, New Delhi
Affiliated to University of Pune - Identification No. PU/Pharm/176/2001

Padmashree Dr. D. Y. Patil (M.A., LL.B., Ph.D.)
Founder President

Shri. Sanjay D. Patil
President

Shri. Satej alias Bunty D. Patil, M.L.A.
Vice-President & Chairman

Ref. No. : DYP/005/2112

Date **9 JAN 2012**

ACADEMIC TIE-UP

Progressive Education Society's Modern College of Pharmacy, Sector no-21, Yamunanagar, Nigdi, Pune 411044, herein referred as the **FIRST PARTY** (which term unless the context otherwise requires shall include its representatives, successors of assignees of first party)

Dr. D. Y. Patil Pratishthan's Padmashree Dr. D. Y. Patil College of Pharmacy, Akurdi, Pune 411 044 herein after referred as the **SECOND PARTY** (which term unless the context otherwise requires shall include its representatives, successors of assignees of first party)

PREAMBLE

a) P. E. Society's Modern College of Pharmacy, Nigdi, Pune.

It is a premium institute imparting education in Pharmaceutical Sciences as well as carrying out research in Pharmaceutical Science. It is recognized by the AICTE, PCI and permanently affiliated to University of Pune. The Institute is approved under Section 2(f) and 12(B) of the UGC Act, 1956. Recently, the institute is recognized as a Ph.D. research centre for Pharmaceutics and Pharmaceutical Chemistry by the University of Pune. Due to the dedicated and competent faculty, up-dated curriculum, innovative methods of instructions and excellent laboratory facilities, it has been attracting students from all over India and outside. The library is enriched with Chemical Abstracts (1907-1986) and has subscribed to more than 3900 e-journals. The college has also subscribed to various national programs such as, National Program on Technology Enhanced Learning (NPTEL) and National Library and Information Services Infrastructure for Scholarly Content NLIST a Program at INFLIBNET. The college library has maintained a well furnished language laboratory and audio-visual room.

Page 1 of 3

Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Dr. D. Y. Patil Pratishthan's
Padmashree Dr. D. Y. Patil College of Pharmacy
Sector 29, Pradhikaran, Akurdi, Pune - 411 044. (M.S.)
Phone: +91-020-27664180 Tel. Fax: +91-020-27656141
Web Site: www.dyppharmaakurdi.org E-mail: dypcop@gmail.com
Approved by All India Council for Technical Education New Delhi
Recognised by Pharmacy Council of India, New Delhi
Affiliated to University of Pune: Identification No: PU/PN/Pharm/176/2001

Padmashree Dr. D. Y. Patil (M.A.L.L.B. Ph.D.)
Founder President

Shri. Sanjay D. Patil
President

Shri. Satej alias Bunty D. Patil, M.L.A.
Vice-President & Chairman

Ref. No.: DYPCOP/005/2012 Date: 09 JAN 2012

b) Dr. D. Y. Patil Pratishthan's Padmashree Dr. D. Y. Patil College of Pharmacy is located in Pimpri-Chinchwad area and is established in 1999. It is approved by AICTE, PCI, and University of Pune.

The college has well equipped laboratories with modern facilities supported by highly qualified teaching faculty in all branches. The college has invested about 1.5 crores on equipments. The college has well furnished Central library facility with reference books, text books, national and international journals and internet facility.

GOALS AND OBJECTIVES

The **FIRST PARTY** is engaged in teaching and research in Pharmaceutical Science.
The **SECOND PARTY** is engaged in teaching and research in Pharmaceutical Science.
The **FIRST PARTY** and the **SECOND PARTY** have agreed to share the Library facilities and instrumental facilities for mutual benefit such as:

1. Usage of library books, study material, e-journals, etc, under the Inter-Library Loan (ILL) facility, by the students and faculty with prior permission of Head of the institutes of both the parties.
2. Usage of instrumental facilities by the students and faculty with prior permission of Head of the institutes of both the parties.

Now this deed of academic tie-up is agreed by and between the parties under following terms and condition:

TERMS AND CONDITIONS:

1. The library facilities will be shared at the premises of **BOTH THE PARTIES** as per the need of work mutually agreed upon w.e.f 9th January, 2012.

Page 2 of 3

Principal
P.E.S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Dr. D. Y. Patil Pratishthan's
Padmeshree Dr. D. Y. Patil College of Pharmacy
Sector 29, Pradhikaran, Akurdi, Pune - 411 044, (M.S.)
Phone : +91-020-27664180 Tel. Fax : +91-020-27665141
Web Site : www.dyppharmaakurdi.org E-mail : dypcoop@gmail.com
Approved by All India Council for Technical Education New Delhi.
Recognised by Pharmacy Council of India, New Delhi.
Affiliated to University of Pune Identification No. P/JP/Pharm/176/2001

Padmeshree Dr. D. Y. Patil (M.A., LL.B., Ph.D.)
Founder President


Shri. Sanjay D. Patil
President



Shri. Satej alias Bunty D. Patil, M.A.
Vice-President & Chairman


Ref. No. : DYPCOP/ 8657/2012 Date: **F9 JAN 2012**


- The instrumental facilities will be shared at the premises of **BOTH THE PARTIES** as per the need of work mutually agreed upon.
- BOTH THE PARTIES** may allow students of B. Pharm., M.Pharm and Ph.D. to utilize the expertise of faculty and/or students of their organizations. The required books and/or study material will be issued to the students (if applicable) for their studies other than those available with **SECOND PARTY** and are to be made available by **FIRST PARTY and Vice Versa**.
- Any publication(s) related to the work/study shall acknowledge the assistance provided (if any) by the **FIRST PARTY and vice-versa**.
- All facilities shared between **BOTH THE PARTIES** shall be reviewed every six months by joint committee appointed for the purpose by **BOTH THE PARTIES** in order to advice on the future course of sharing.
- Any dispute arising shall be settled through mutual negotiations only without recourse to resolving the dispute by legal means.

Signed on -


Dr. P. D. Chaudhari
Principal
Progressive Education Society's
Modern College of Pharmacy
Sector no-21, Yamunanagar,
Nigdi, Pune 411044
Contact: 9850179873



Dr. N. S. Vyavahare
Principal
Dr. D. Y. Patil Pratishthan's
Pad. Dr. D. Y. Patil College of Pharmacy,
Sector 29, Pradhikaran, Akurdi,
Pune 411 044
Contact: 020-27664180



Page 3 of 3

Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



DYP
DR. D. Y. PATIL
COLLEGE OF
PHARMACY

Dr. D. Y. Patil Pratishthan's
Dr. D. Y. PATIL COLLEGE OF PHARMACY
Dr. D. Y. Patil Educational Complex, Sector - 29, Pradhikaran, Akurdi, Pune 411 044.
Tel. : 020-27656141, Tel. Fax : 020-27656141
E-mail : info@dyppharmaskurdi.ac.in Web : www.dyppharmaskurdi.ac.in
Approved by : All India Council for Technical Education, New Delhi
Pharmacy Council of India, New Delhi. Recognized by : Government of Maharashtra
Affiliated to Savitribai Phule Pune University, Pune

Dr. Sanjay D. Patil
President

Padmashree Dr. D. Y. Patil
Founder

Shri. Satej D. Patil
Vce-President & Chairman

Dr. N. S. Vyawahare
Principal

Ref. No. : DYPCOP/ 66A/2017
Date : 29/06/2017

ACADEMIC TIE-UP

Progressive Education Society's Modern College of Pharmacy, Sector no-21, Yamunanagar, Nigdi, Pune- 411044, herein referred as the FIRST PARTY (which term unless the context otherwise requires shall include its representatives, successors of assignees of first party)

Dr. D. Y. Patil Pratishthan's, Dr. D. Y. Patil College of Pharmacy, Sector 29, Nigdi Pradhikaran, Akurdi, Pune-411044, herein after referred as the SECOND PARTY (which term unless the context otherwise requires shall include its representatives, successors of assignees of Second party)

PREAMBLE

a) Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune

It is a premium institute imparting education in Pharmaceutical Sciences as well as carrying out research in Pharmaceutical Science. It is recognized by the AICTE, PCI and permanently affiliated to University of Pune. The Institute is approved under Section 2(f) and 12(B) of the UGC Act, 1956. Recently, the institute is recognized as a Ph.D. research centre for Pharmaceutics and Pharmaceutical Chemistry by the University of Pune. Due to the dedicated and competent faculty, up-dated curriculum, innovative methods of instructions and excellent laboratory facilities, it has been attracting students from all over India and outside. The library is enriched with Chemical Abstracts (1907- 1986) and has subscribed to more than 3900 e-Journals. The college has also subscribed to various national programs such as, National Program on Technology Enhanced Learning (NPTEL) and National Library and Information Services Infrastructure for Scholarly Content NLIST a Program at INFLIBNET. The college library has maintained a well furnished language laboratory and audio-visual room.

Page 1 of 3

Regd. Office : 2126E, "Ajinkytara", Tarabai Park, Kolhapur - 416 003. Tel. No. : 0231-2683288/89/90 Fax No. : 0231-2683426
Pune - 411 044.



b) Dr. D. Y. Patil Pratishthan's, Dr. D. Y. Patil College of Pharmacy, Akurdi, Pune, established in 1999 at lush green campus of Dr. D. Y. Patil Pratishthan's, Dr. D. Y. Patil Educational Complex, Akurdi, Pune. The aim of the College is to spread Pharmacy education to deserving students and thereby render social services. Within a short span, this centrally located college has emerged as center of academic excellence in the field of Pharmacy, with the help of the state of the art infrastructure and experienced faculty. The vision of institute is to establish a center of academic excellence and research in pharmacy education and thereby produce professionally competent and ethically sound pharmacists to cater the needs of the global society.

GOALS OBJECTIVES

The **FIRST PARTY** is engaged in teaching and research in Pharmaceutical Science.

The **SECOND PARTY** is engaged in teaching and research in Pharmaceutical Science,

The **FIRST PARTY** and the **SECOND PARTY** have agreed to work under following terms for mutual benefit **Lifetime** such as:

1. Usage of library books, study material, e-journals, etc, under the Inter-Library Loan (ILL) facility, by the students and faculty with prior permission of Head of the institutes of both the parties.
2. Usage of instrumental facilities as a part of collaborative research or hiring services by the students and faculty with prior permission of Head of the institutes of both the parties.
3. Both the parties may get involve in co-organizing guest lecture, seminar, conferences, workshops as well as share feedback on curriculum, co-curricular and extracurricular activities and expertises of faculty in both way.



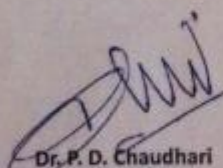
[Signature]
Principal
E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi
Pune - 411 024



Now this deed of academic tie-up is agreed by and between the parties under following terms and condition:

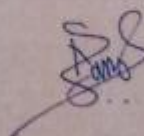
TERMS AND CONDITIONS:

1. The library facilities will be shared at the premises of **BOTH THE PARTIES** as per the need of work mutually agreed.
2. **BOTH THE PARTIES** may allow pharmacy students to utilize the expertise of faculty and/or students of their organizations. The required books and/or study material will be issued to the students (if applicable) for their studies other than those available with **SECOND PARTY** and are to be made available by **FIRST PARTY** and **Vice Versa**.
3. The instrumental facilities will be shared at the premises of **BOTH THE PARTIES** as per the need of work mutually agreed upon.
4. Under Collaborative research projects any outcome in the form of Patent / publication(s) related to the work/study shall be acknowledge the assistance provided (if any) by the **FIRST PARTY** and vice-versa.
5. **BOTH THE PARTIES** may share feedback on curriculum, co-curricular and extracurricular activities and expertises of faculty in Both ways.
6. **BOTH THE PARTIES** may get involve in co-organizing guest lecture, seminar, conferences and workshops
7. Any dispute arising shall be settled through mutual negotiations only without recourse to resolving the dispute by legal means.


Dr. P. D. Chaudhari

Principal
Progressive Education Society's
Modern College of Pharmacy,
Sector no-21, Yamunanagar,
Nigdi, Pune 411044.
Contact: 9850179873
Date: 29/06/2017





Dr. N. S. Vyawahare

Principal
Dr. D. Y. Patil Pratishthan's,
Dr. D. Y. Patil College of Pharmacy,
Sector 29, Nigdi Pradhikaran, Akurdi,
Pune-411044
Contact: +91-20-27656141
Date: 29/06/2017





Progressive Education Society's MODERN COLLEGE OF PHARMACY

Accredited by NAAC & NBA

DST FIST Funded College

'Best College Award' by Savitribai Phule Pune University



Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently affiliated to
Savitribai Phule Pune University, Pune & Approved under Section (2 (f) & 12 (B) of UGC Act, 1956

Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044, (M.S.) Tel. : 020-27661314 / 15

E-mail : mcpnigdi44@gmail.com Website : www.mcop.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. Gajanan R. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council
P.E.Society, Pune

Ref :

Date :

Summary of Activity done under MOU Year wise

Name of concern Institute: Dr. D. Y. Patil College of Pharmacy, Akurdi, Pune

Date of MOU: 09/01/2012 to (TIE-UPS)

Validity Period of MOU: Lifetime

| Sr no | Academic Year | Name of Activity | No of beneficiaries | Start Date | End Date |
|-------|---------------|-------------------------------|---------------------|------------|------------|
| 1. | 2018-2019 | 1. Library book sharing | 1 | 13/08/2018 | 15/08/2018 |
| | | 2. Library book sharing | 1 | 13/08/2018 | 15/08/2018 |
| 2. | 2019-2020 | 1. Reference book searching | 1 | 04/09/2019 | 04/09/2019 |
| | | 2. Library book sharing | 1 | 18/11/2019 | 18/11/2019 |
| | | 3. Library book sharing | 1 | 18/11/2019 | 23/11/2019 |
| | | 4. Library book sharing | 1 | 25/11/2019 | 27/11/2019 |
| | | 5. Library book sharing | 1 | 28/11/2019 | 04/12/2019 |
| 3. | 2020-2021 | 1. Journal referring (online) | 1 | 30/08/2020 | 30/08/2020 |
| | | 2. Journal referring | 1 | 23/04/2021 | 23/04/2021 |
| 4 | 2021-2022 | 1. Library book sharing | 1 | 31/08/2021 | 02/09/2021 |
| | | 2. Collaborative research | 1 | 22/06/2021 | 30/05/2022 |


Dr. Pravin D. Chaudhari
Principal and Professor




MoU Incharge
Dr. D. Y. Patil College of Pharmacy, Akurdi, Pune



STRIVING TOWARDS EXCELLENCE FOREVER



2018-2019

DR. D.Y. PATIL PRATISHTHAN'S PADM. DR.D.Y.PATIL COLLEGE OF
PHARMACY, AKURDI, PUNE-411044

INTER LIBRARY LOAN FACILITY

USER FORM

| | |
|--|--|
| Name of Institute | Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune-44 |
| Name of User | Gaikwad Pradya D. |
| Designation | Research scholar |
| Department | Chemistry |
| Date of Visit | 13/8/18 |
| Mobile no. of user | 7741073648 |
| Purpose of Visit | Book Referencing |
| Accession no. of book (in case of issue) | Computational and structural approaches to drug discovery by F Moore |
| Date of Issue | 15/8/18 |
| Date of return of book (To be returned on or before) | 16/8/18 |
| Signature of user | |

Kindly allow our faculty/student to use your library services.

Thanking you,



(Seal of Institute)

Prof. Dr. P. Deshpande,
Principal

Principal

Modern College of Pharmacy, Nigdi, Pune-44

Principal

P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



The above-named Dr. D.Y. Patil College of Pharmacy is allowed to use library facilities.



Principal,

Padm. Dr.D.Y.Patil College of
Pharmacy, Akurdi, Pune-411044



DR. D.Y. PATIL PRATISHTHAN'S PADM. DR.D.Y.PATIL COLLEGE OF
PHARMACY, AKURDI, PUNE-411044

INTER LIBRARY LOAN FACILITY

USER FORM

| | |
|--|--|
| Name of Institute | Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune-44 |
| Name of User | Anale Prasen D. |
| Designation | Research scholar |
| Department | chemistry |
| Date of Visit | 13/08/18 |
| Mobile no. of user | 9422542051 |
| Purpose of Visit | Refer Book |
| Accession no. of book (in case of issue) | Process chemistry in the Pharmaceutical Industry by Gadamsattik |
| Date of Issue | 13/8/18 |
| Date of return of book (To be returned on or before) | 15/8/18 |
| Signature of user | Anale |

Kindly allow our faculty/student to use your library services.

Thanking you,



(Seal of Institute)

Principal
Modern College of Pharmacy, Nigdi, Pune-44

The above mentioned user is allowed/not allowed to use our library facilities.



Principal,
Padma Dr.D.Y.Patil College of
Pharmacy, Akurdi, Pune-411044

Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamananagar, Nigdi,
Pune - 411 044.



2019-2020

DR. D.Y. PATIL PRATISHTHAN'S PADM. DR.D.Y.PATIL COLLEGE OF
PHARMACY, AKURDI, PUNE-411044

INTER LIBRARY LOAN FACILITY

USER FORM

| | |
|--|--|
| Name of Institute | Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune-44 |
| Name of User | Mr. Anil Akhori |
| Designation | Research Scholar |
| Department | QA |
| Date of Visit | 06-09-19 |
| Mobile no. of user | 8411921527 |
| Purpose of Visit | Reference books searching |
| Accession no. of book (in case of issue) | Quality Assurance of Pharmaceuticals - A compendium of guidelines |
| Date of Issue | |
| Date of return of book (To be returned on or before) | |
| Signature of user | Nigdi |

Kindly allow our faculty/student to use your library services.

Thanking you,



(Seal of Institute)

Prof. Dr. D. Y. Patil
Principal

Modern College of Pharmacy, Nigdi, Pune-44

The above member is allowed/not allowed to use our library facilities.



Principal,
Dr. D. Y. Patil College of
Pharmacy, Akurdi, Pune-411044

Principal
P. E. S. Modern College of Pharmacy
Sector No 21, Yamunanagar, Nigdi,
Pune - 411 044.



DR. D.Y. PATIL PRATISHTHAN'S PADM. DR.D.Y.PATIL COLLEGE OF
PHARMACY, AKURDI, PUNE-411044

INTER LIBRARY LOAN FACILITY

USER FORM

| | |
|--|--|
| Name of Institute | Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune-44 |
| Name of User | Dhene Yogita |
| Designation | M. Pharm |
| Department | Pharmacokinetics |
| Date of Visit | 48/11/19 |
| Mobile no. of user | |
| Purpose of Visit | Book, Referencing books |
| Accession no. of book (in case of issue) | Laboratory auditing for quality & regulatory compliance. |
| Date of Issue | 48/11/19 |
| Date of return of book (To be returned on or before) | 18/11/19 |
| Signature of user | Yogita |

Kindly allow our faculty/student to use your library services.

Thanking you,



(Seal of Institute)

Dr. P. D. Chaudhari,
Principal

Modern College of Pharmacy, Nigdi, Pune-44



The above mentioned user is allowed to use your library facilities.



Dr. D.Y. Patil College of
Pharmacy, Akurdi, Pune-411044

Principal

P. E. S. Modern College of Pharmacy
Sector No.21, Yarnunanagar, Nigdi,
Pune - 411 044.



DR. D.Y. PATIL PRATISHTHAN'S PADM. DR.D.Y.PATIL COLLEGE OF
PHARMACY, AKURDI, PUNE-411044

INTER LIBRARY LOAN FACILITY

USER FORM

| | |
|--|--|
| Name of Institute | Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune-44 |
| Name of User | Chodake, Shweta |
| Designation | M. Pharm |
| Department | Pharmacology |
| Date of Visit | 18-11-19 |
| Mobile no. of user | |
| Purpose of Visit | Referencing Books |
| Accession no. of book (in case of issue) | Handbook of Clinical Trials by David M. |
| Date of Issue | 18-11-19 |
| Date of return of book (To be returned on or before) | 23-11-19 |
| Signature of user | Chodake |

Kindly allow our faculty/student to use your library services.

Thanking you,



(Seal of Institute)

Prof. Dr. D. Chaudhari
Principal
Modern College of Pharmacy, Nigdi, Pune-44

Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

The above mentioned user is allowed to use our library facilities.



Principal,
Padm. Dr.D.Y.Patil College of
Pharmacy, Akurdi, Pune-411044



DR. D.V. PATIL PRATISHTHAN'S PADM. DR.D.Y.PATIL COLLEGE OF
PHARMACY, AKURDI, PUNE-411044

INTER LIBRARY LOAN FACILITY

USER FORM

| | |
|--|--|
| Name of Institute | Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune-44 |
| Name of User | Mali Shubham |
| Designation | Research scholar |
| Department | Pharmaceutical chemistry |
| Date of Visit | 25/11/2019 |
| Mobile no. of user | |
| Purpose of Visit | Referencing |
| Accession no. of book (in case of issue) | Introduction to Quantitative drug design by N.C. Mehta |
| Date of issue | 25/11/2019 |
| Date of return of book (To be returned on or before) | 07/12/2019 |
| Signature of user | Shubham |

Kindly allow our faculty/student to use your library services.

Thanking you,



(Seal of Institute)

Prof. Dr. D. B. Chaudhari
Principal
Modern College of Pharmacy, Nigdi, Pune-44



The above-said (Seal) is being allowed to allow to use the library facilities.



Principal,
Padm. Dr.D.Y.Patil College of
Pharmacy, Akurdi, Pune-411044

Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamananagar, Nigdi,
Pune - 411 044.



DR. D.Y. PATIL PRATISHTHAN'S PADM. DR.D.Y.PATIL COLLEGE OF
PHARMACY, AKURDI, PUNE-411044

INTER LIBRARY LOAN FACILITY

USER FORM

| | |
|--|--|
| Name of Institute | Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune-44 |
| Name of User | Dr. Kalyani S. Kulkarni |
| Designation | Assistant Professor |
| Department | Pharmacognosy |
| Date of Visit | 25/11/2019 |
| Mobile no. of user | 97640127197 |
| Purpose of Visit | Books Referencing / Journal |
| Accession no. of book (in case of issue) | Pharmacognosy Journal |
| Date of Issue | 28/11/2019 |
| Date of return of book (To be returned on or before) | 4/12/2019 |
| Signature of user | |

Kindly allow our faculty/student to use your library services.

Thanking you,



(Seal of Institute)

Principal
P.E.S. Modern College of Pharmacy, Nigdi, Pune-44

P.E.S. Modern College of Pharmacy, Nigdi, Pune-44



The above mentioned user is allowed to use the library facilities.



Principal,
P.E.S. Modern College of Pharmacy, Nigdi, Pune-44

Principal
P.E.S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



2020-2021

DR. D.Y. PATIL PRATISHTHAN'S PADM. DR.D.Y.PATIL COLLEGE OF PHARMACY, AKURDI, PUNE-411044

INTER LIBRARY LOAN FACILITY

USER FORM

| | | | |
|--|--|--|--|
| Name of Institute | | Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune-44 | |
| Name of User | | Dr. Kalyani S. Kulkarni | |
| Designation | | Assistant professor | |
| Department | | Pharmacology | |
| Date of Visit | | 20/8/2020 | |
| Mobile no. of user | | 974012744 | |
| Purpose of Visit | | Journal Referencing - [Elsevier] | |
| Accession no. of book (in case of issue) | | Fundamentals of Pharmacology and Physiology | |
| Date of issue | | 20/8/2020 | |
| Date of return of book (To be returned on or before) | | 01/11/20 | |
| Signature of user | | | |

Kindly allow our faculty/student to use your library services.

Thanking you,

(Seal of Institute)

Principal
Modern College of Pharmacy, Nigdi, Pune-44

Principal
Dr. D.Y. Patil College of Pharmacy, Akurdi, Pune-411044

Principal
P.E.S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



DR. D.Y. PATIL PRATISHTHAN'S PADM. DR.D.Y.PATIL COLLEGE OF
PHARMACY, AKURDI, PUNE-411044

INTER LIBRARY LOAN FACILITY

USER FORM

| | |
|--|--|
| Name of Institute | Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune-44 |
| Name of User | Dr. M. S. Kande |
| Designation | Asst. professor |
| Department | Pharmacy |
| Date of visit | 23/04/21 |
| Mobile no. of user | 94 03191203 |
| Purpose of visit | Book referring & Journals |
| Accession no. of book (in case of issue) | Acad pharmaceuticals |
| Date of issue | |
| Date of return of book (To be returned on or before) | |
| Signature of user | M. S. Kande |

Kindly allow our faculty/student to use your library services.

Thanking you,



(Seal of Institute)

Dr. D. D. Chaudhari
Principal

Modern College of Pharmacy, Nigdi, Pune-44

The above-mentioned user is allowed/not allowed to use your library facilities.



Dr. D. Y. Patil College of Pharmacy, Akurdi, Pune-411044
(Seal of Institute)

Principal
P.E.S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



2021-2022

| DR. D.Y. PATIL PRATISHTHAN'S PADM DR.D.Y.PATIL COLLEGE OF PHARMACY, AKURDI, PUNE-411044 | |
|---|--|
| INTER LIBRARY LOAN FACILITY | |
| USER FORM | |
| Name of Institute | Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune-44 |
| Name of User | Dr. Pallavi Patil |
| Designation | Asst. Professor |
| Department | Pharm. Chemistry |
| Date of Visit | 31/8/21 |
| Mobile no. of user | 9823720695 |
| Purpose of Visit | Referencing book of Organic Chemistry Journal |
| Accession no. of book (in case of issue) | Current Organic Chemistry |
| Date of Issue | 31/8/21 |
| Date of return of book (To be returned on or before) | 02/9/21 |
| Signature of user | |

Kindly allow our faculty/student to use your library services.

Thanking you,

(Seal of Institute)

Principal,
Modern College of Pharmacy, Nigdi, Pune-44

The above mentioned user is allowed to use the library facilities.

Principal,
Dr. D.Y. Patil College of Pharmacy, Akurdi, Pune-411044

Principal,
P.E.S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

Acute oral toxicity evaluation of hydroethanolic extract of *Brassica Cretica* in wistar albino rats as per OECD 425

Section: Research Paper



Acute oral toxicity evaluation of hydroethanolic extract of *Brassica Cretica* in wistar albino rats as per OECD 425

Padmaja Kore^{1*}, Ashwini Navale¹, Deepti Bandawane¹, Smeeta Sadar², Pooja Chavan¹, Anuradha More³, Minal Harde⁴, Siddhant Gaikwad¹

¹Department of Pharmacology, Progressive Education Society's Modern College of Pharmacy, Yamuna Nagar, Nigdi, Pune- 411044, Maharashtra, India.

²Department of Pharmacology, Dr. D. Y. Patil College of Pharmacy, Akurdi, Pune- 411044, Maharashtra, India.

³Department of Pharmaceutics, Progressive Education Society's Modern College of Pharmacy, Yamuna Nagar, Nigdi, Pune- 411044, Maharashtra, India.

⁴Department of Pharmaceutical analysis, Progressive Education Society's Modern College of Pharmacy, Yamuna Nagar, Nigdi, Pune- 411044, Maharashtra, India.

***Corresponding Author:**

Dr. Padmaja Santosh Kore

Email address: padmaja.kore@pesmoderncollege.edu

Progressive Education Society's Modern College of Pharmacy,
Yamunanagar, Nigdi, Pune-44.

Abstract:

The medicinal herb *Brassica Cretica* (Brassicaceae) has long been employed in traditional cuisine. The study was undertaken to confirm the plant's safety profile. A total of six female rats (n=6) were chosen at random. A hydroalcoholic extract of *Brassica Cretica* (HEBC) was given to a group of six rats at a dose of 2000 mg/kg body weight. Blood samples were taken at regular intervals to evaluate the hematological and biochemical markers. The vital organs were isolated and kept separate for histology examinations. The data suggests that, the extract's LD₅₀ is greater than 2000 mg/kg body weight. The body weight, behavior, renal function test, liver function test, and lipid profile remained unchanged.

Key words: Toxicity, Hematology, Organ Function Test

Introduction:

Even though there have been advances in the manufacture of synthetic and semi-synthetic drugs for the treatment of various illnesses, traditional medicines still play a significant role in rural areas. This herbal medication's usefulness is clearly shifting in favour of overuse.^[1] As the founder of toxicology, Paracelsus once observed, "There is nothing that is not a poison; all substances are poisons". The appropriate dosage is what distinguishes a treatment from a poison. Research on the therapeutic plants and their safety profiles is urgently needed.^[2] Although the

Eur. Chem. Bull. 2023, 12(Special Issue 1), 2442-2454



Principal
P. E. S. Modern College of Pharmacy
Sector No. 24, Yamunanagar, Nigdi,
Pune - 411 044.