



3.5.1. Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year 2023-2024

Content

Sr. no.	File Description	Documents
1	List of activities during the year	View Document
2	Summary of Collaborative Activities	View Document

**1. List of activities during the year 2023-2024:**

Sr. No.	Name of the Institution / Industry with whom the MoU / linkage/Collaboration	Date of activity conducted	List of activities and exchange	Total
1	Dr. D. Y. Patil Institute of Pharmaceutical Sciences and Research, Pimpri, Pune	01/10/2022 to 30/6/2023	Collaborative research	1
2	Haffkine Bio-Pharma Corporation Ltd Pimpri Pune411018	01/06/2023 to 31/5/2024	Student Internship	26
3	VmEduLife Pvt Ltd, Pune	14/05/2024	ERP Service	1
4	Deenanath Mangeshkar Hospital and Research Center, Pune	15/11/2023	Collaborative research	10
5	Shri Jain Vidya Prasarak Mandal's, Rasiklal M. Dhariwal Institute of Pharmaceutical Education & Research, Chinchwad, Pune	01/04/2022 to 30/9/2023	Collaborative research	2
6	Anasyn Lab Private Limited, Tathwade, Pune	28/05/2024	Collaborative research	1
7	Intellectual Property Intellect Services (IPIS), Pune	01/06/2023 to 31/5/2024	IPR activity	51
8	GTT Foundation, Pune	15/01/2024 to 17/01/2024	Workshop	1
9	Inducare Pharma (P) Ltd, Pune	23/05/2024 to 30/05/2024	Faculty training Program	3
10	Patent Administrative Services, India (PASI)	04/05/2023 to 03/05/2023(MOUs)	IPR activity	14
11	Tata Consultancy Services Ltd (TCS), Mumbai	11/10/2023	Guest lecture	1
12	Swami Sevabhavisanthas Lotus Business school, Punawale, Pune	23/01/2024	Workshop	1
13	Anuva Pharma Training and Education institute, Pune	9/03/2024 to 28/04/2024	Hands on training	26
14	PreClinBio Solutions LLP, Pune	01/04/2024	Guest Lecture	1
Total Number of activities				139



2. Summary of Collaborative Activities 2023-2024:

Sr no	Type of collaborative activity	Number of activity Conducted
1	Faculty Training Program	03
2	Collaborative Research	14
3	Student Internship	26
4	ERP (Vmedulife)	01
5	Value addition (Guest lecture / workshop)	04
6	Hands on Training	26
7	IPR Activities	65
Total		139



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

Collaborations are carried out at Two different categories-

Total MOU: 14

Year	Industry Collaborations	Academic Collaborations	Total
2023-2024	11	03	14



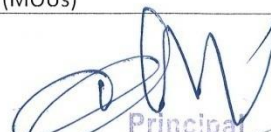

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Details of MOU under which activities are conducted:

Sr. No.	Academic / Industry	Name of collaborating Industry/academic Institution	Academic year	MOU Sign Date	Duration
1	Academic	Dr. D. Y. Patil Institute of of Pharmaceutical Sciences and Research, Pimpri, Pune	2012-2013	20/06/2012 (TIE-UPS)	Lifetime
2	Industry	Haffkine Bio-Pharma Corporation Ltd PimpriPune411018	2013-2014	17/01/2014 (TIE-UPS) Amendment : 12/07/2017	Lifetime
3	Industry	VM EDULIFE PVT LTD	2013-2014	18/07/2013 (MOU) 29/11/2016 to 30/11/2021 To 29/11/2026	13 yrs
4	Industry	DeenanathMangeshkar Hospital and Research Center, Pune	2017-2018	28/08/2017 to 27/08/2027 (MOU)	10 yrs
5	Academic	Shri Jain Vidya Prasarak Mandal's, Rasiklal M.Dhariwal Institute of Pharmaceutical Education & Research, Chinchwad, Pune	2019-2020	28/08/2019 (MOU)	lifetime
6	Industry	Anasyn Lab Private Limited, Tathwade, Pune	2021-2022	15/07/2021 to 14/07/2026 (MOU)	05 yrs
7	Industry	Intellectual Property Intellect Services (IPIS), Pune	2021-2022	18/05/2022 to 17/05/2027 (MOU)	05 yrs
8	Industry	GTT Foundation Pune	2021-2022	06/09/2021 to 30/09/2028 (MOU)	07 yrs
9	Industry	Inducare Pharma (P) Ltd	2021-2022	18/09/2021 to 17/09/2031 (MOU)	10 yrs
10	Industry	Patent Administrative Services, India (PASI)	2022-2023	04/05/2023 to 03/05/2033(MOUs)	10 yrs
11	Industry	Tata Consultancy Services Ltd (TCS)	2023-2024	11/10/2023 to 31/03/2025 (MOUs)	1.5 yrs
12	Academic	Swami Sevabhavisanthas Lotus Business school, Punawale, Pune	2023-2024	17/05/2024 (MOUs)	Lifetime
13	Industry	Anuva Pharma Training and Education institute , Pune	2023-2024	30/01/2024 to 29/01/2029 (MOUs)	05 yrs
14	Industry	PreClinBio Solutions LLP, Pune	2023-2024	30/12/2023 to 29/12/2026 (MOUs)	03 yrs




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1. List of Year wise activities:

Sr. No.	Name of the Institution / Industry with whom the MoU / linkage/Collaboration	Date of activity conducted	List of yearwise activities and exchange	Total
1	Dr. D. Y. Patil Institute of of Pharmaceutical Sciences and Research, Pimpri, Pune	01/10/2022 to 30/6/2023	Collaborative research	1
2	Haffkine Bio-Pharma Corporation Ltd Pimpri Pune 411018	01/06/2023 to 31/5/2024	Student Internship	26
3	Vm Edulife Pvt Ltd, Pune	14/05/2024	ERP Service	1
4	DeenanathMangeshkar Hospital and Research Center, Pune	15/11/2023	Collaborative research	10
5	Shri Jain Vidya Prasarak Mandal's, Rasiklal M.Dhariwal Institute of Pharmaceutical Education & Research, Chinchwad, Pune	01/04/2022 to 30/9/2023	Collaborative research	2
6	Anasyn Lab Private Limited, Tathwade, Pune	28/05/2024	Collaborative research	1
7	Intellectual Property Intellect Services (IPIS), Pune	01/06/2023 to 31/5/2024	IPR activity	51
8	GTT Foundation, Pune	15/01/2024 to 17/01/2024	Workshop	1
9	Inducare Pharma (P) Ltd, Pune	23/05/2024 to 30/05/2024	Faculty training Program	3
10	Patent Administrative Services, India (PASI)	04/05/2023 to 03/05/2023(MOUs)	IPR activity	14
11	Tata Consultancy Services Ltd (TCS), Mumbai	11/10/2023	Guest lecture	1
12	Swami Sevabhavisanthas Lotus Business school, Punawale, Pune	23/01/2024	Workshop	1
13	Anuva Pharma Training and Education institute, Pune	9/03/2024 to 28/04/2024	Hands on training	26
14	PreClinBio Solutions LLP, Pune	01/04/2024	Guest Lecture	1
Total Number of activities				139



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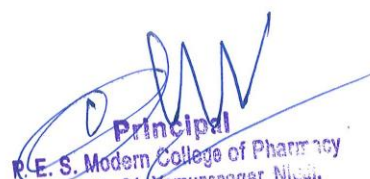
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2. Summary of Collaborative Activities:

Sr no	Type of collaborative activity	Number of activity Conducted
1	Faculty Training Program	03
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Criteria 3: Research, Innovations and Extension



3.5.1 Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year

Sl. No.	Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant	Year of collaboration	Duration	Nature of the activity	Link to the relevant document
1	MOU with Institute	Dr. D. Y. Patil Institute of Pharmaceutical Sciences and Research, Pimpri, Pune	Faculty	2012-2013	Lifetime	Collaborative research	
2	MOU with Industry	Haffkine Bio-Pharma Corporation Ltd Pimpri Pune 411018	Final.Y. B. Pharm	2013-2014	Lifetime	Student Internship	
3	MOU with Industry	Vm Edulife Pvt Ltd, Pune	Faculty	2013-2014	13 yrs	ERP Service	
4	MOU with Industry	Deenanath Mangeshkar Hospital and Research Center, Pune	5th Year Pharm D	2017-2018	10 yrs	Collaborative research	
5	MOU with Institute	Shri Jain Vidya Prasarak Mandal's, Rasiklal M.Dhariwal Institute of Pharmaceutical Education & Research, Chinchwad, Pune	Faculty	2019-2020	Lifetime	Collaborative research	
6	MOU with Industry	Anasyn Lab Private Limited, Tathwade, Pune	Faculty	2021-2022	5 yrs	Collaborative research	
7	MOU with Industry	Intellectual Property Intellect Services (IPIS), Pune	Faculty	2021-2022	5 yrs	IPR activity	
8	MOU with Industry	GTT Foundation, Pune	Final.Y. B. Pharm , Second.Y. M. Pharm, 6th Year Pharm D	2021-2022	7 yrs	Workshop	
9	MOU with Industry	Inducare Pharma (P) Ltd, Pune	Faculty	2021-2022	10 yrs	Faculty training Program	
10	MOU with Industry	Patent Administrative Services, India (PASI)	Faculty	2022-2023	10 yrs	IPR activity	
11	MOU with Industry	Tata Consultancy Services Ltd (TCS), Mumbai	Final.Y. B. Pharm , Second.Y. M. Pharm	2023-2024	1.5 yrs	Guest lecture	
12	MOU with Institute	Swami Sevabhavisanthas Lotus Business school, Punawale, Pune		2023-2024	Lifetime	Workshop	
13	MOU with Industry	Anuva Pharma Training and Education institute, Pune	M. Pharm students	2023-2024	5 yrs	Hands-on training	
14	MOU with Industry	PreClinBio Solutions LLP, Pune	M. Pharm and Pharm D students	2023-2024	3 yrs	Guest Lecture	



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3.5.2. Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year

Content

Sr. no.	File Description	Documents
1	e-Copies of the MoUs	View Document



1. e-Copies of the MoUs.

Index

Sr.No.	Name of collaborating Industry/academic Institution
1	<u>Dr. D. Y. Patil Institute of Pharmaceutical Sciences and Research, Pimpri, Pune</u>
2	<u>Haffkine Bio-Pharma Corporation Ltd Pimpri, Pune</u>
3	<u>VmEduLife Pvt Ltd, Pune</u>
4	<u>Dinanath Mangeshkar Hospital and Research Center, Pune</u>
5	<u>Shri Jain Vidya Prasarak Mandal's, Rasiklal M. Dhariwal Institute of Pharmaceutical Education & Research, Chinchwad, Pune</u>
6	Anasyn Lab Private Limited, Tathwade, Pune
7	<u>Intellectual Property Intellect Services (IPIS), Pune</u>
8	<u>GTT Foundation, Pune</u>
9	<u>Inducare Pharma Pvt Ltd, Pune</u>
10	Patent Administrative Services, India (PASI)
11	Tata Consultancy Services Ltd (TCS), Mumbai
12	Swami Sevabhavisanthas Lotus Business school, Punawale, Pune
13	AnuvaPharma Training and Education institute, Pune
14	PreClinBio Solutions LLP, Pune




3.5.2. Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year

Content

Sr. no.	File Description	Documents
1	e-Copies of the MoUs	View Document




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1. e-Copies of the MoUs.

Index

Sr.No.	Name of collaborating Industry/academic Institution
1	Dr. D. Y. Patil Institute of Pharmaceutical Sciences and Research, Pimpri, Pune
2	Haffkine Bio-Pharma Corporation Ltd Pimpri, Pune
3	Vm Edulife Pvt Ltd, Pune
4	Dinanath Mangeshkar Hospital and Research Center, Pune
5	Shri Jain Vidya Prasarak Mandal's, Rasiklal M. Dhariwal Institute of Pharmaceutical Education & Research, Chinchwad, Pune
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Criteria 3: Research, Innovations and Extension



3.5.2 Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year

Organisation with which MoU is signed	Name of the institution/ industry/ corporate house	Year of signing MoU	Duration	List the actual activities under each MOU year wise	Number of students/teachers participated under MoUs
Dr. D. Y. Patil Institute of Pharmaceutical Sciences and Research, Pimpri, Pune	Dr. D. Y. Patil Institute of Pharmaceutical Sciences and Research, Pimpri, Pune	2012-2013	Lifetime	Collaborative research	4
Haffkine Bio-Pharma Corporation Ltd Pimpri Pune 411018	Haffkine Bio-Pharma Corporation Ltd Pimpri Pune 411018	2013-2014	Lifetime	Student Internship	26
Vm Edulife Pvt Ltd, Pune	Vm Edulife Pvt Ltd, Pune	2013-2014	13 yrs	ERP Service	All Faculty
Deenanath Mangeshkar Hospital and Research Center, Pune	Deenanath Mangeshkar Hospital and Research Center, Pune	2017-2018	10 yrs	Collaborative research	37
Shri Jain Vidya Prasarak Mandal's, Rasiklal M. Dhariwal Institute of Pharmaceutical Education & Research, Chinchwad, Pune	Shri Jain Vidya Prasarak Mandal's, Rasiklal M. Dhariwal Institute of Pharmaceutical Education & Research, Chinchwad, Pune	2019-2020	Lifetime	Collaborative research	8
Anasyn Lab Private Limited, Tathwade, Pune	Anasyn Lab Private Limited, Tathwade, Pune	2021-2022	5 yrs	Collaborative research	1
Intellectual Property Intellectual Services (IPIS), Pune	Intellectual Property Intellectual Services (IPIS), Pune	2021-2022	5 yrs	IPR activity	19
GTT Foundation, Pune	GTT Foundation, Pune	2021-2022	7 yrs	Workshop	150
Inducare Pharma (P) Ltd, Pune	Inducare Pharma (P) Ltd, Pune	2021-2022	10 yrs	Faculty training Program	3
Patent Administrative Services, India (PASI)	Patent Administrative Services, India (PASI)	2022-2023	10 yrs	IPR activity	10
Tata Consultancy Services Ltd (TCS), Mumbai	Tata Consultancy Services Ltd (TCS), Mumbai	2023-2024	1.5 yrs	Guest lecture	107
Swami Sevabhavisanthas Lotus Business school, Punawale, Pune	Swami Sevabhavisanthas Lotus Business school, Punawale, Pune	2023-2024	Lifetime	Workshop	75
Anuva Pharma Training and Education institute, Pune	Anuva Pharma Training and Education institute, Pune	2023-2024	5 yrs	Hands on training	26
PreClinBio Solutions LLP, Pune	PreClinBio Solutions LLP, Pune	2023-2024	3 yrs	Guest Lecture	6



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**Dr. D. Y. Patil Institute of
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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-Tie up/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.

Sant Tukaram Nagar, Pimpri, Pune - 411018, Maharashtra (India). Telefax : +91-20-27420261
• Email : info.pharmacy@dypvp.edu.in • pharmacy.dypvp.edu.in




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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 Crores 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.

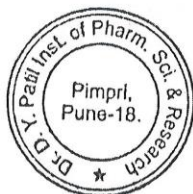
GOALS OBJECTIVES

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.



[Signature]
Principal
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Now this deed of academic tie-up is agreed by and between the parties under following terms and condition:

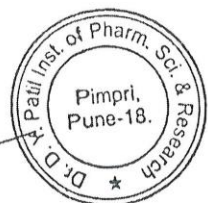
TERMS AND CONDITIONS:

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: 9850179873





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COLLABORATIVE RESEARCH

			<p>Progressive Education Society's MODERN COLLEGE OF PHARMACY, PUNE (Permanently Affiliated to Savitribai Phule Pune University - AISHE CODE C- 42167) (Approved by Pharmacy Council of India, Directorate of Technical Education, Mumbai, MS) DST FIST Funded College, NAAC - A+ Grade with CGPA 3.47 and NBA Accredited</p>					
Rank amongst top 100 Pharmacy College by NIRF, New Delhi			Best College Award by Savitribai Phule Pune University, Pune			Approved under Section (2 (f) & 12 (B) of UGC Act, 1956		
Prof. Dr. P. D. Chaudhari Principal			Prof. Dr. G. R. Ekbote Chairman, Business Council, P.E. Society					
Ref- No.: MCOP/MOU/2023-24/339-7A						Date: 31/05/2024		

Summary of Activity done under MOU

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)

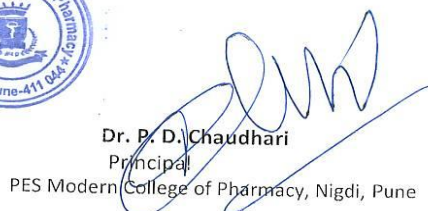
Validity Period of MOU: Lifetime

Sr no	Academic Year	No of activity	Name of Activity	No of beneficiaries	Start Date	End Date
1	2023-2024	01	Collaborative Research	4	01/10/2022	30/06/2023



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RESEARCH ARTICLE

Development of Validated Stability Indicating HPTLC Method for Estimation of Febuxostat in Bulk and Tablet Dosage Form by Using QBD Approach

Vrushali Kharate¹, Mohini Kuchekar^{1*}, Minal Harde¹, Bhushan Pimple¹, Vinita Patole², Manisha Salunkhe¹, Pooja Wadgave¹, Manish Bhise³, Asmita Gaikwad⁴, Harshal Tare⁴

¹Progressive Education Society's Modern College of Pharmacy, Savitribai Phule Pune University, Pune, Maharashtra, India.

²Dr. D. Y. Patil Vidya Pratishthan Society's Padmashree Dr. D. Y. Patil Institute of Pharmaceutical Sciences & Research, Savitribai Phule Pune University, Pune, Maharashtra, India.

³Shri Gurudatta Shikshan Prasarak Sanstha's Institute of Pharmacy, Akola, Sant Gadge Baba Amravati University, Maharashtra, India.

⁴Shri Gajanan Maharaj Shikshan Prasarak Mandal's Sharadchandra Pawar College of Pharmacy, Otur, Savitribai Phule Pune University, Pune, Maharashtra, India.

Received: 15th November, 2022; Revised: 03rd December, 2022; Accepted: 24th April, 2023; Available Online: 25th June, 2023

ABSTRACT

Objective: Development of a simple, reliable, time-tested, stability-focused HPTLC method for determining febuxostat (FEB) in bulk and pharmaceutical formulation.

Methods: Chloroform, methanol, and formic acid (6.7:2.9:0.1 v/v/v) served as the mobile phase, and precoated aluminum TLC plates served as the stationary phase. Active drug FEB was subjected to a densitometric measurement (absorbance mode at 312 nm). The present study performed a comprehensive stress test of FEB as per ICH Q1A(R2) guidelines. FEB has undergone forced degradation by acid, alkali (0.5N HCl and NaOH), oxidative (3% H₂O₂), H₂O and photolytic effect.

Results: Calibration plots using HPTLC linear regression analysis indicated a strong correlation ($r^2 = 0.999$) between concentrations from 150 to 900 ng/spot. Accuracy, recoverability, robustness, and documentation are some of the aspects of the method that have been verified. The LoD was 189 ng and the LoQ was 395 ng per location. FEB was not degraded under acid, UV, water, peroxide and photolytic conditions but showed degradation under alkaline conditions.

Conclusion: Stability studies and quantification of FEB in bulk and pharmaceutical dose forms by QBD methodology have both been shown to benefit from the suggested HPTLC method. This technique can be utilized as a stability indicator because it successfully isolates the medication from the degradation product.

Keywords: QBD approach, Febuxostat, HPTLC method, Degradation study.

International Journal of Drug Delivery Technology (2023); DOI: 10.25258/ijddt.13.2.14

How to cite this article: Kharate V, Kuchekar M, Harde M, Pimple B, Patole V, Salunkhe M, Wadgave P, Bhise M, Gaikwad A, Tare H. Development of Validated Stability Indicating HPTLC Method for Estimation of Febuxostat in Bulk and Tablet Dosage Form by Using QBD Approach. International Journal of Drug Delivery Technology. 2023;13(2):542-550.

Source of support: Nil.

Conflict of interest: None


INTRODUCTION

Febuxostat (FEB), a specific non-purine xanthine oxidase inhibitor, has been shown to be more efficacious than allopurinol 300 mg/day in the therapy of hyperuricemia in patients with chronic gout.¹ Gout is brought on by hyperuricemia, an unusually high quantity of uric acid in blood, which is also linked to arthritis and nodules.² FEB- (2-[3-cyano-4-(2-methylpropoxy) phenyl]-4-methyl-thiazole-5-carboxylic acid given in Figure 1.³ FEB is It is estimated that about 1–6% of a single dose of xanthine oxidase is

eliminated unaltered by the kidneys. As a result, changes in FEB pharmacokinetic profile are relatively unaffected by GFR reduction.⁴ In 2011, it became the first treatment to reduce urine levels in treatment of hyperuricemia. The American College of Rheumatology (ACR) recommends xanthine oxidase inhibitors like allopurinol or FEB as the initial urate-lowering treatment for gout patients.⁵ XO activation, endothelial dysfunction, and/or tubular injury have all been linked to hyperuricemia, which plays a role in the etiology of chronic kidney disease.⁶ Myocardial energy competence, left ventricular ejection

*Author for Correspondence: mohini.kuchekar@gmail.com




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



TIE-UPS: Haffkine Bio-Pharma Corporation Ltd Pimpri, Pune



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 : 24168578

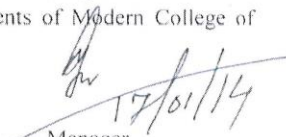
Date : 17/01/2014

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 : 2419320-23 PUR : 24147564 MKT : 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.

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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, Yashwanagar, Nigdi,
Pune - 411 044

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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.

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

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Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411004

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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.



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

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Haffkine

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




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Principal
P.E.S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
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Student Internship



Progressive Education Society's
MODERN COLLEGE OF PHARMACY, PUNE
(Permanently Affiliated to Savitribai Phule Pune University - AISHE CODE C- 42167)
(Approved by Pharmacy Council of India, Directorate of Technical Education, Mumbai, MS)
DST FIST Funded College, NAAC - A+ Grade with CGPA 3.47 and NBA Accredited



Rank  Amongst top 100 Pharmacy
College by NIRF, New Delhi

Best College Award by Savitribai Phule
Pune University, Pune

Approved under Section (2 (f) & 12 (B)
of UGC Act, 1956

Prof. Dr. P. D. Chaudhari
Principal

Prof. Dr. G. R. Ekbote
Chairman, Business Council, P.E. Society

Ref No.: m cop / m ou / 2023-24 / 339-7B

Date: 31/05/2024

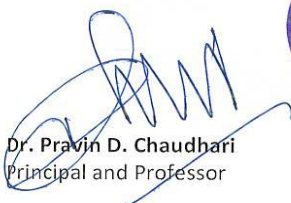
Summary of Activity done under MOU

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	2023-2024	Student Internship	26	01/06/2023	31/5/2024


Dr. Pravin D. Chaudhari
Principal and Professor




MoU Incharge
Haffkine Bio-Pharma Corporation Ltd, Pune

STRIVING TOWARDS EXCELLENCE FOREVER

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

Academic Year: 2023-2024

Name of Industry: Haffkine Biopharmaceutical Corporation Ltd. Pimpri


Activity: Internship

List of student:

Sr no	Roll No	Name of Students	Period of training (start date)	Period of training (End date)
1	4002	Amble Sahil Anil	21/6/2023	21/7/2023
2	4007	Baheti Rohit Anil	26/7/2023	25/8/2023
3	4008	Barangule Sakshi Ashok	18/7/2023	18/8/2023
4	4017	Bhole Bhumika	18/7/2023	18/8/2023
5	4021	Bonde Aditi Sanjay	24/7/2023	25/8/2023
6	4023	Chaudhari Vidya Dilip	17/7/2023	17/8/2023
7	4026	Chavan Siddhi Sangram	17/7/2023	17/8/2023
8	4029	Dhamale Yashraj Ravindra	26/6/2023	26/7/2023
9	4031	Dhangare Sanket Sanjay	26/6/2023	26/7/2023
10	4035	Doshi Soham Shekhar	18/7/2023	18/8/2023
11	4038	Gaikwad Sudhir Giridhar	17/7/2023	17/8/2023
12	4039	Gangawane Vishal Sachin	21/6/2023	21/7/2023
13	4042	Gonde Dipak Pandurang	17/7/2023	17/8/2023
14	4060	Kasar Aditya Kumar	26/7/2023	25/8/2023
15	4066	Korde Purva Munjaji	26/6/2023	26/7/2023
16	4067	Kudale Yash Dattatray	21/6/2023	21/7/2023
17	4068	Kulkarni Sarvesh Dilip	26/6/2023	26/7/2023
18	4082	Nikam Hrishikesh Anil	26/6/2023	26/7/2023
19	4084	Panzade Prathamesh Rajesh	26/6/2023	26/7/2023
20	4092	Pawar Pratham Umesh	21/6/2023	21/7/2023
21	4094	Pawar Rutwik Chandrakant	18/7/2023	18/8/2023
22	4096	Phand Srushti Samir	17/7/2023	18/8/2023
23	4106	Shedge Swapnali Laxman	17/7/2023	18/8/2023
24	4109	Shendurkar Abhishek Gokul	26/7/2023	25/8/2023
25	4112	Shinde Vijay Uttam	24/7/2023	25/8/2023
26	4121	Vyavahare Sukanya Kalyan	18/7/2023	18/8/2023

Dr. N. M. Gaikwad
In-charge




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 : HAFFKINE Mumbai - 400 012. TELEX : 11-7-1427 HSPC IN FAX : 24146573

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
Date: 21.07.2023

CERTIFICATE


This is to certify that, **Mr. Sahil Anil Amble** student of Final Year B. Pharmacy, PES's Modern College of Pharmacy, Nigdi, Tal- Haveli, Dist- Pune- 411044 has successfully completed his one month industrial training from 21/06/2023 to 21/07/2023 at Haffkine Bio-Pharmaceutical Corporation Limited, Pimpri, Pune – 411 018.

He was found punctual during training. We wish him best of luck for future endeavors.

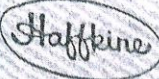
Haffkine Bio-Pharmaceutical Corporation Ltd.
Pimpri, Pune.


Manager
Dr. B. P. Kurhe




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)
OLD MUMBAI - PUNE ROAD, OPP. HINDUSTHAN ANTI-BIOTICS LTD, PIMPRI,
PUNE - 411 018. PHONE - 020 - 27423833 / 9552530267 Email - ats@vce.mahaffkine.com
Regd. Office, Acharya Dadasaheb Marg, Parel, Mumbai - 400 012, (INDIA)
Phones: 24129320-23 PUR - 24147564 MKT - 24146419 GRAM - HAFFKINE Mumbai - 400 012. TELEX - 1171427 HBPB, H.F.A. 2416857B

ATS/592

Date: 25.08.2023

CERTIFICATE


This is to certify that, **Mr. Rohit Anil Baheti** student of Fourth year B. Pharmacy, P.E.S. Modern College of Pharmacy, Nigdi, Pune- 411044 has successfully completed his one month Industrial Training from 26.07.2023 to 25.08.2023 at Haffkine Bio-Pharmaceutical Corporation Limited, Pimpri, Pune - 411 018.

During his tenure we found him sincere, hardworking, punctual and technically sound and result oriented.

We wish him best of luck for future endeavors.


Haffkine Bio-Pharmaceutical Corporation Ltd.




Dr. B. P. Kurhe
Manager

MODERN COLLEGE OF PHARMACY, NIGDI.




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)

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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

ATS/572

Date: 18.08.2023

CERTIFICATE

This is to certify that, Miss. Sakshi Ashok Barangule student of Final Year B. Pharmacy P.E.S. Modern college of Pharmacy, Nigdi, Pune – 411044 has successfully completed her one month industrial training from 18.07.2023 to 18.08.2023 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.



B.P.
Dr. B. P. Kurhe
Manager



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



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PUNE - 411 018. PHONE : 020 - 27423833 / 9552530267 Email : ats@vaccinehaffkine.com

Regd Office : Acharya Dande Morg, Parel, Mumbai - 400 012. (INDIA)

Phon e: 24129320-23 PUR : 24147564 MKT : 24146419 GRAM : HAFKINE Mumbai - 400 012. TELEX : 11-7-1427 HBP IN FAX : 24168578

ATS/571

Date: 18.08.2023

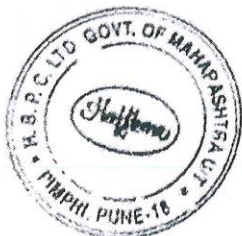
CERTIFICATE


This is to certify that, Miss. Bhumika Kishor Bhole student of Final Year B. Pharmacy P.E.S. Modern college of Pharmacy, Nigdi, Pune - 411044 has successfully completed her one month industrial training from 18.07.2023 to 18.08.2023 at Haffkine Bio-Pharmaceuticals Corporation Ltd, Pimpri, Pune- 411018.

During her tenure we found her sincere, hardworking, punctual and technically sound and result oriented.

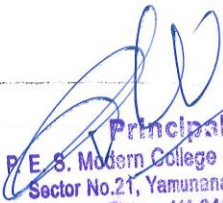
We wish her all the best for her future endeavors.

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 : 9552530267 Email : ats@vaccinehaffkine.com

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 : 24168578

ATS/583


Date: 25.08.2023

CERTIFICATE


This is to certify that, **Miss. Aditi Sanjay Bonde**, final year student of B.Pharmacy, P.E.S. Modern College of Pharmacy, Nigdi Pune-411044. She has successfully completed her one month Industrial Training (24.07.2023 to 25.08.2023) in QC Department at Haffkine Bio-Pharmaceutical Corporation Ltd., Pimpri, Pune- 411018.

During her training she was found sincere & hardworking. We wish her best luck for future endeavors.




Dr. B. P. Kurhe
Manager




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



Industrial Training Report, Academic Year 2023-24



Haffkine Bio-Pharmaceutical Corporation Ltd.

[A Govt. Of Maharashtra undertaking]
PIMPRI, PUNE - 411 018, PHONE (020) 27422206, 27421946, FAX : (020) 27420207

Regd Office : Acharya Dande Marg, Parel, Mumbai - 400 012, (INDIA)

Phones : 24129320-23 PUR : 24147564 MKT : 24146419 GRAM : HAFFKINE Mumbai - 400 012, TELEX : 11-7-1427 HBPC IN FAX : 24160578

ATS/567


Date: 18.08.2023

CERTIFICATE

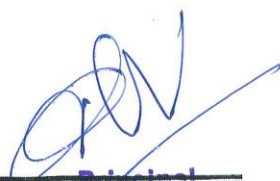
This is to certify that, Miss. Vidya Dilip Chaudhari, final year student of B.Pharmacy, P.E.S. Modern College of Pharmacy, Nigdi Pune-411044. She has successfully completed her one month Industrial training (17.07.2023 to 17.08.2023) in QC Department at Haffkine Bio-Pharmaceutical Corporation Ltd., Pimpri, Pune- 411018.

During her training she was found sincere & hardworking. We wish her best luck for future endeavors.




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 : 9552530267 Email : ats@vaccinehaffkine.com

Regd Office : Acharya Dande Marg, Parel, Mumbai - 400 012, [INDIA]
Phones : 24129320-23 PUR : 24147564 MKT : 24146419 GRAM : HAFFKINE Mumbai - 400 012. TELEX : 11-7-1427 HBPC IN FAX : 24148578

ATS/566


Date: 18.08.2023

CERTIFICATE


This is to certify that, Miss. Siddhi Sangram Chavan, final year student of B.Pharmacy , P.E.S. Modern College of Pharmacy, Nigdi Pune-411044. She has successfully completed her one month Industrial training (17.07.2023 to 17.08.2023) in QC Department at Haffkine Bio-Pharmaceutical Corporation Ltd., Pimpri, Pune- 411018.

During her training she was found sincere & hardworking. We wish her best luck for future endeavors.




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 Donda Marg, Parel, Mumbai - 400 012, [INDIA]
Phones : 24129320-23 PUR : 24147564 MKT : 24146419 GRAM : HAFKINE Mumbai - 400 012; TELEX : 11-7-1427 HAPC IN FAX : 24148578

ATS/505

Date: 26.07.2023

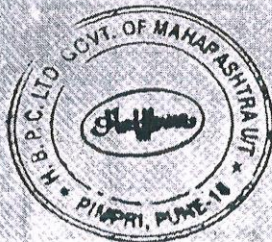
CERTIFICATE


This is to certify that, Mr. Sanket Sanjay Dhangare student of Final Year B.Pharmacy, Modern College of Pharmacy Sector no-21, Yamunanagar, Nigdi Pune-411044 has successfully completed his one month industrial training from 26.06.2023 to 26.07.2023 at Haffkine Bio-Pharmaceuticals Corporation Ltd, Pimpri, Pune- 411018.

During his tenure we found him sincere, hardworking, punctual and technically sound and result oriented.


We wish him all the best for his 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.

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OLD MUMBAI - PUNE ROAD, OPP. HINDUSTHAN ANTEBIOTICS LTD, PIMPRI,
PUNE - 411 018. PHONE : 020 - 27423833 / 9552530267 Email : ats@vaccinehaffkine.com

Regd Office : Acharya Dande Marg, Parel, Mumbai - 400 012, [INDIA]
Phones : 24129320-23 PUR : 24147564 MKT : 24146419 GRAM : HAFFKINE Mumbai - 400 012, TELEX : 11-7-1427 HBPC IN FAX : 24168578

ATS/569

Date: 18.08.2023

CERTIFICATE

This is to certify that, Mr. Soham Shekhar Doshi student of Final Year B. Pharmacy P.E.S. Modern college of Pharmacy, Nigdi, Pune - 411044 has successfully completed his one month industrial training from 18.07.2023 to 18.08.2023 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.



B.P.K.
Dr. B. P. Kurhe
Manager



[Signature]
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 Danda Marg, Parel, Mumbai - 400 012 (INDIA)

TTDS : 24129, 320-23 PUR : 24147564 MKT : 24146419 GRAM : HAFKINE Mumbai - 400 012; TELEX : (T-7-1427 HBPC IN FAX : 24168578

ATS/564

Date: 18.08.2023

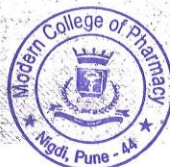
CERTIFICATE

This is to certify that, **Mr. Sudhir Giridhar Gaikwad**, final year student of B.Pharmacy, P.E.S. Modern College of Pharmacy, Nigdi Pune-411044. He has successfully completed his one month Industrial training (17.07.2023 to 17.08.2023) in QC Department at Haffkine Bio-Pharmaceutical Corporation Ltd., Pimpri, Pune- 411018.

During his training he was found sincere & hardworking. We wish him best luck for future endeavors.



[Signature]
Dr. B. P. Kurhe
Manager



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



**Haffkine Bio-Pharmaceutical
Corporation Ltd**

A Crystal of Anhydrous α -D-Glucose

DHARMI PUNE 411 004 Phone (020) 27422206 27421945 FAX (020) 27420209

Regd Office: Acharya Danda Marg, Patel, Mumbai-400 032, INDIA

By 4120 300 23 PUR 24147564 MRL 24144410 GRAM HALLERIE MANDALU 400012 211111A 11 1477 MBPC, Inc Fax 24142570

ATS/490

Date: 21.07.2023

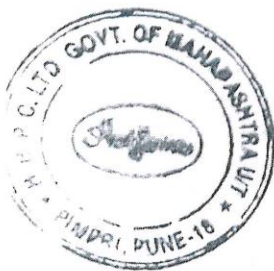
CERTIFICATE

This is to certify that, **Mr. Vishal Sachin Gangawane** student of Final Year B. Pharmacy, PES's Modern College of Pharmacy, Nigdi, - Tal- Haveli, Dist- Pune- 411044 has successfully completed his one month industrial training from 21/06/2023 to 21/07/2023 at Haffkine Bio-Pharmaceutical Corporation Limited, Pimpri, Pune - 411 018.

He was found punctual during training. We wish him best of luck for future endeavors.

Haffkine Bio-Pharmaceutical Corporation Ltd.
Pimpri, Pune.

Burke
Manager
Dr. B. P. Kurhe



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



Haffkine Bio-Pharmaceutical Corporation Ltd.

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PIMPRI, PUNE - 411 018. PHONE : 9552530267 Email : af@vaccinehaffkine.com

Regd Office : Acharya Donde Marg, Parel, Mumbai - 400 012, (INDIA)
Phones : 24129320-23 PUR : 24147564 MKT : 24146419 GRAM : HAFFKINE Mumbai - 400 012. TELEX : 11-7-1427 HBP IN FAX : 24168578

ATS/565

Date: 18.08.2023

CERTIFICATE

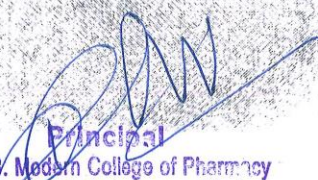
This is to certify that, Mr. Dipak Pandurang Gonde, final year student of B.Pharmacy, P.E.S. Modern College of Pharmacy, Nigdi Pune-411044. He has successfully completed his one month Industrial training (17.07.2023 to 17.08.2023) in QC Department at Haffkine Bio-Pharmaceutical Corporation Ltd., Pimpri, Pune- 411018.

During his training he was found sincere & hardworking. We wish him best luck for future endeavors.




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.

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PUNE - 411 018. PHONE : 020 - 27423833 / 9552530267 Email : ats@vaccinehaffkine.com

Regd Office : Acharya Donda Marg, Parel, Mumbai - 400 012. (INDIA)
Phones : 24129320-23 PUR : 24147564 MKT : 24146419 GRAM : HAFFKINE Mumbai - 400 012. TELEX : 11-7-1427 HBPC IN FAX : 24168578

ATS/593

Date: 25.08.2023

CERTIFICATE

This is to certify that, Mr. Aditya Kumar Kasar student of Fourth year B. Pharmacy, P.E.S. Modern College of Pharmacy, Nigdi, Pune-411044 has successfully completed his one month Industrial Training from 26.07.2023 to 25.08.2023 at Haffkine Bio-Pharmaceutical Corporation Limited, Pimpri, Pune-411 018.

During his tenure we found him sincere, hardworking, punctual and technically sound and result oriented.


We wish him best of luck for future endeavors.

Haffkine Bio-Pharmaceutical 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 Donde 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

ATS/503

Date: 26.07.2023


CERTIFICATE

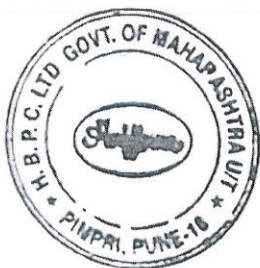
This is to certify that, **Miss. Purva Munjaji Korde** student of Final Year B.Pharmacy, Modern College of Pharmacy Sector no-21, Yamunanagar, Nigdi Pune-411044 has successfully completed her one month industrial training from 26.06.2023 to 26.07.2023 at Haffkine Bio-Pharmaceuticals Corporation Ltd. 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 Corporation]

PIMPRI PUNE - 411 018, PHONE: (020) 27422206, 27421945, FAX: (020) 27420209

Regd Office: Acharya Dadasaheb Marathe Road - 400 012, [INDIA]
PS: 241293/2023 PUR, 2414564 AMT, 24146419 GUAM, Haffkine Bio-Pharmaceutical - 400 012, TELE: 11-7-1427 HBPC IN FAX: 24168578

ATS/490


Date: 21.07.2023

CERTIFICATE

This is to certify that, **Mr. Yash Dattatray Kudale** student of Final Year B. Pharmacy, PES's Modern College of Pharmacy, Nigdi, - Tal-Haveli, Dist- Pune- 411044 has successfully completed his one month industrial training from 21/06/2023 to 21/07/2023 at Haffkine Bio-Pharmaceutical Corporation Limited, Pimpri, Pune - 411 018.

He was found punctual during training. We wish him best of luck for future endeavors.

Haffkine Bio-Pharmaceutical Corporation Ltd.
Pimpri, Pune.


Manager
Dr. B. P. Kurhe




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



Haffkine Bio-Pharmaceutical Corporation Ltd.

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PIMPRI PUNE - 411 018. PHONE (020) 27422206, 27421945. FAX (020) 27420209

Regd. Office - Acharya Dadasaheb Marg, Parol, Mumbai - 400 012 (BIDIA)

TELEX 27429320-23 PUNE 24147564 MUM 24146419 GRAM, HAFKINE Mumbai - 400 012. TEL/FAX 11 27427 HBPC. FAX 24168578

ATS/507

Date: 26.07.2023

CERTIFICATE

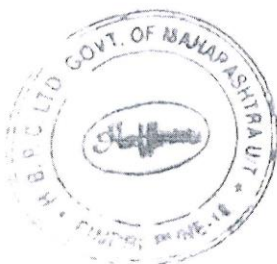
This is to certify that, **Mr. Sarvesh Dilip Kulkarni** student of Final Year B.Pharmacy, Modern College of Pharmacy Sector no-21, Yamunanagar, Nigdi Pune-411044 has successfully completed his one month industrial training from 26.06.2023 to 26.07.2023 at Haffkine Bio-Pharmaceuticals Corporation Ltd, Pimpri, Pune- 411018.

During his tenure we found him sincere, hardworking, punctual and technically sound and result oriented.

We wish him all the best for his 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 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 : 24168578

ATS/504

Date: 26.07.2023

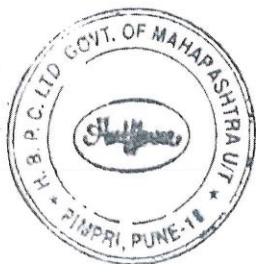
CERTIFICATE


This is to certify that, **Mr. Hrishikesh Anil Nikam** student of Final Year B.Pharmacy, Modern College of Pharmacy Sector no-21, Yamunanagar, Nigdi Pune-411 044 has successfully completed his one month industrial training from 26.06.2023 to 26.07.2023 at Haffkine Bio-Pharmaceuticals Corporation Ltd, Pimpri, Pune- 411018.

During his tenure we found him sincere, hardworking, punctual and technically sound and result oriented.


We wish him all the best for his 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 Donde Marg, Parel, Mumbai - 400 012 (INDIA)

Phone : 24129320-23 PUR : 24147564 MKT : 24146419 GRAM : HAFKINE Mumbai - 400 012, TEL/FAX : 11 7-1427 H8PC IN FAX : 24146578

ATS/508

Date: 26.07.2023


CERTIFICATE

This is to certify that, **Mr. Prathamesh Rajesh Panzade** student of Final Year B.Pharmacy, Modern College of Pharmacy Sector no-21, Yamunanagar, Nigdi Pune-411044 has successfully completed his one month industrial training from 26.06.2023 to 26.07.2023 at Haffkine Bio-Pharmaceuticals Corporation Ltd, Pimpri, Pune- 411018.


During his tenure we found him sincere, hardworking, punctual and technically sound and result oriented.

We wish him all the best for his 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. O) Maharashtra undertaking)

PIMPRI, PUNE - 411 018. PHONE (020) 27422206, 27421945, FAX : (020) 27420209

Regd Office : Acharya Dande Marg, Parol, Mumbai - 400 012. (INDIA)

Phone : 24129320-23 PUN : 24147564 MKI : 24146419 GRAM : HAFKINE Mumbai - 400 012. TELEX : 11-7-1427 HBPC IN FAX : 241 68578

ATS/493

Date: 21.07.2023

CERTIFICATE

This is to certify that, **Mr. Pratham Umesh Pawar** student of Final Year B. Pharmacy, PES's Modern College of Pharmacy, Nigdi, Tal-Haveli, Dist- Pune- 411044 has successfully completed his one month industrial training from 21/06/2023 to 21/07/2023 at Haffkine Bio-Pharmaceutical Corporation Limited, Pimpri, Pune - 411 018.

He was found punctual during training. We wish him best of luck for future endeavors.

Haffkine Bio-Pharmaceutical Corporation Ltd.
Pimpri, Pune.





Manager
Dr. B. P. Kurhe




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



 **Haffkine Bio-Pharmaceutical Corporation Ltd.**
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PUNE - 411 018. PHONE : 020 - 27423833 / 9552530267 Email : ats@vaccinehaffkine.com
Regd Office : Acharya Donde Marg, Parel, Mumbai - 400 012, (INDIA)
Phone : 24127325-23 P.F. : 24147564 MKT : 24146419 GRAM : HAFKINE Mumbai - 400 012, TELEX : 11-7-1427 HBPC INTEL : 2414857B

ATS/S

Date: 18.08.2023

CERTIFICATE

This is to certify that, **Mr. Rutwik Chandrakant Pawar** student of Final Year B. Pharmacy P.E.S. Modern college of Pharmacy, Nigdi, Pune - 411044 has successfully completed his one month industrial training from 18.07.2023 to 18.08.2023 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.

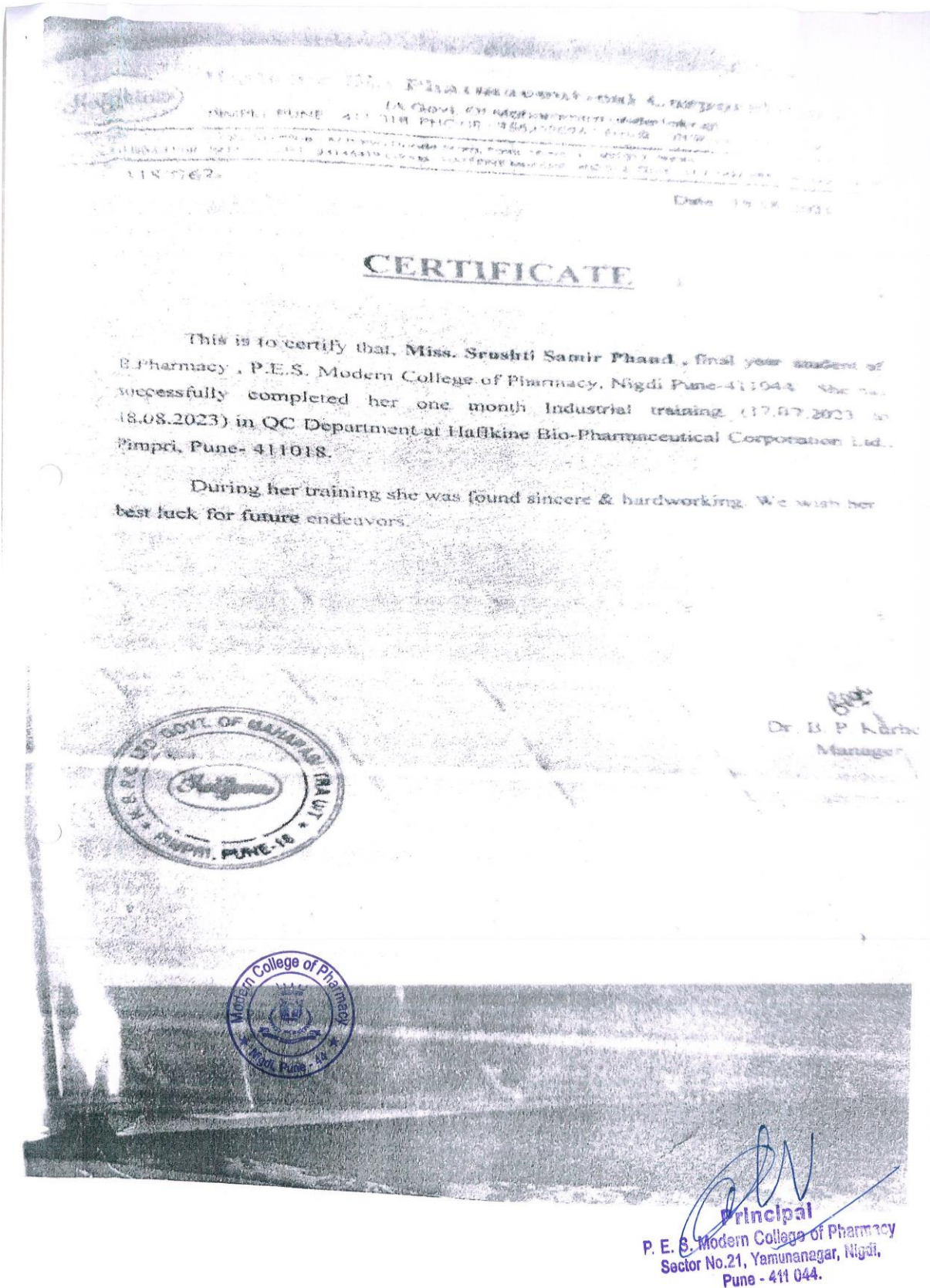
Haffkine Bio-Pharmaceuticals Corporation Ltd.




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.

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Regd Office : Acharya Dondre 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/563


Date: 18.08.2023


CERTIFICATE

This is to certify that, **Miss. Swapnali Laxman Shedge**, final year student of B.Pharmacy , P.E.S. Modern College of Pharmacy, Nigdi Pune-411044. She has successfully completed her one month Industrial training (17.07.2023 to 18.08.2023) in QC Department at Haffkine Bio-Pharmaceutical Corporation Ltd., Pimpri, Pune- 411018.

During her training she was found sincere & hardworking. We wish her best luck for future endeavors.




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.

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OLD MUMBAI - PUNE ROAD, OPP. HINDUSTHAN ANTEBIOTICS LTD, PIMPRI,
PUNE - 411 018. PHONE : 020 - 27423833 / 9552530267 Email : als@vaccinehaffkine.com

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/521

Date: 25.08.2023

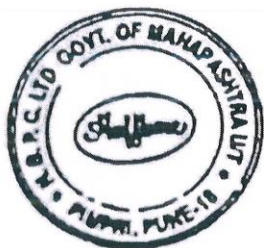
CERTIFICATE

This is to certify that, Mr. Abhishek Gokul Shendurkar student of Fourth year B. Pharmacy, P.E.S. Modern College of Pharmacy, Nigdi, Pune- 411044 has successfully completed his one month Industrial Training from 26.07.2023 to 25.08.2023 at Haffkine Bio-Pharmaceutical Corporation Limited, Pimpri, Pune- 411 018.

During his tenure we found him sincere, hardworking, punctual and technically sound and result oriented.


We wish him best of luck for future endeavors.

Haffkine Bio-Pharmaceutical Corporation Ltd.




Dr. B. P. Kurhe
Manager




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



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Regd Office : Acharya Donde Marg, Parel, Mumbai - 400 012. (INDIA)
Phones : 24129320-23 PUR : 24147564 MKT : 24146419 GRAM : HAFFKINE Mumbai - 400 012. TELEX : 11-7-1427 HBPC IN FAX : 24146578

ATS/584


Date: 25.08.2023

CERTIFICATE


This is to certify that, Mr. Vijay Uttam Shinde, final year student of B.Pharmacy, P.E.S. Modern College of Pharmacy, Nigdi Pune-411044. He has successfully completed his one month Industrial training (24.07.2023 to 25.08.2023) in QC Department at Haffkine Bio-Pharmaceutical Corporation Ltd., Pimpri, Pune- 411018.

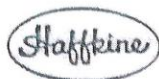
During his training he was found sincere & hardworking. We wish him best luck for future endeavors.




Dr. B. P. Kurhe
Manager




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



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PUNE - 411 018. PHONE : 020 - 27423833 / 9552530267 Email : ats@vaccinahaffkine.com

Regd Office : Acharya Donda Marg, Parol, Mumbai - 400 012 (INDIA)
Phones : 24129320-23 PUR - 24147564 MKT - 24146419 GRAM : HAFKINE Mumbai - 400 012. TELEX : 11-7-1427 HBPC IN FAX : 24148578

ATS/568

Date: 18.08.2023

CERTIFICATE

This is to certify that, Miss. Sukanya Kalyan Vyavahare student of Final Year B. Pharmacy P.E.S. Modern college of Pharmacy, Nigdi, Pune - 411044 has successfully completed her one month industrial training from 18.07.2023 to 18.08.2023 at Haffkine Bio-Pharmaceuticals Corporation Ltd, Pimpri, Pune- 411018.

During her tenure we found her sincere, hardworking, punctual and technically sound and result oriented.

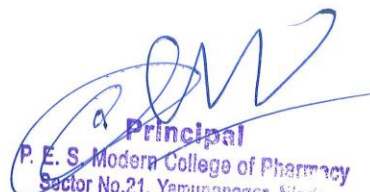
We wish her all the best for her future endeavors.

Haffkine Bio-Pharmaceuticals Corporation Ltd.




Dr. B. P. Kurhe
Manager




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



TIE-UPS: Vmedulife Pvt Ltd, Pune



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



EDU Life | Today's Efforts
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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

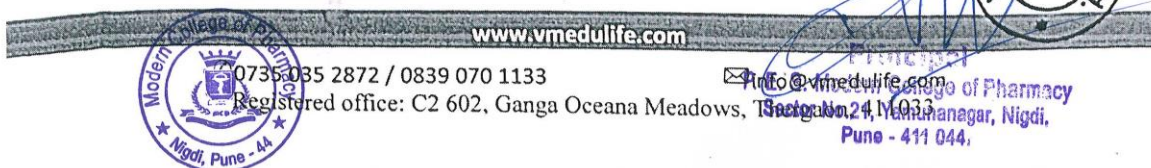
The Memorandum of Understanding is between:

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.





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.vmedulife.com
20735 035 2872 / 0839 070 1133
Registered office: C2 602, Ganga Oceana Meadows, Thergaon, Nigdi, Pune - 411033
P. E. S. Modern College of Pharmacy
Sector No. 31, Vasti
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

Title PRINCIPAL

Signature

29-11-16

Partnering Organization:

Name VM EDULife PRIVATE LIMITED, PUNE

Date

Title DIRECTOR

Signature

29.11.2016

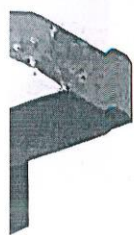


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Sector No. 2, Khunanager Road, Pune - 411 044

Registered office: C2 602, Ganga Oceana Meadows, Thergaon, 411033



vmedulife®

Software Services

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.

MEMORANDUM OF UNDERSTANDING

BETWEEN

VMEDULIFE PRIVATE LIMITED

AND

PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF PHARMACY,
SECTOR 21, YAMUNANAGAR, NIGDI, PUNE - 411044.

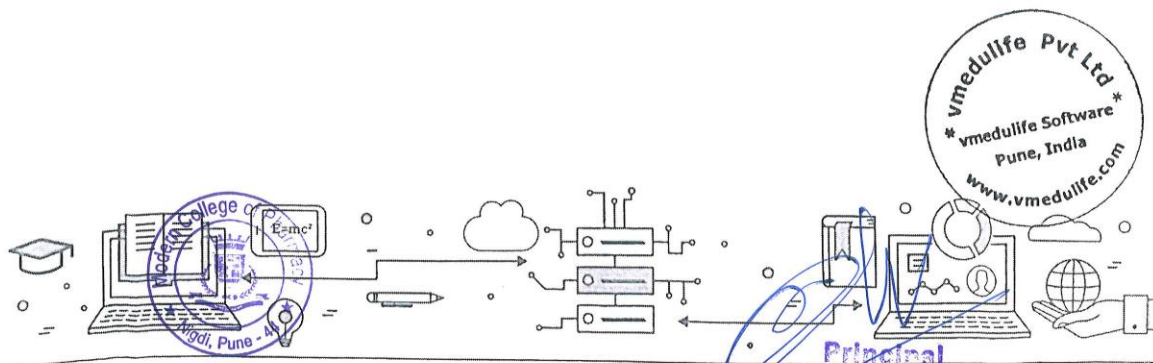
REGARDING IMPLEMENTATION OF VM EDULIFE PLATFORM FOR ALL STUDENTS AND FACULTIES TO ENHANCE LEARNING PROCESS BY USING ALL VARIOUS MODULES DEVELOPED BY vmedulife.

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., S No.228, Office No. 404, Sanskruti Arcade, Wakad, Pune - 411057

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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:

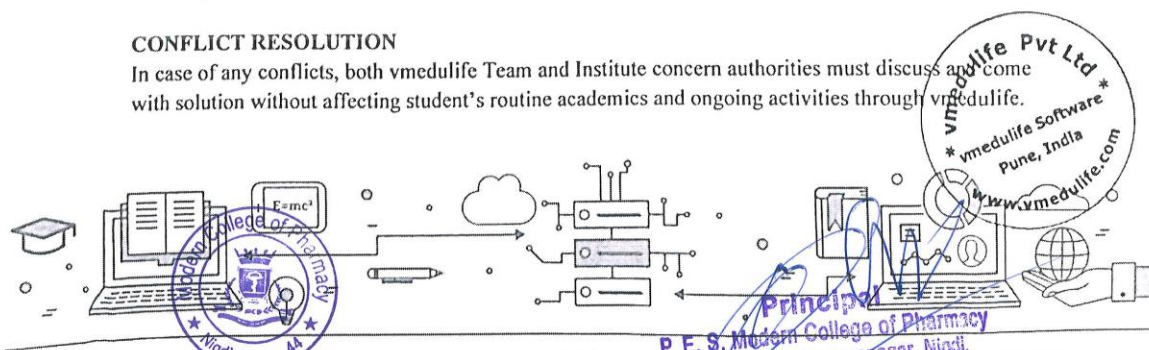
1. That each member will be provided with complete, accurate and meaningful information in a timely manner
2. To be given reasonable time to make key decisions
3. To be alerted to potential risks and issues that could impact the implementation, as they arise
4. Open and honest discussions

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.



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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


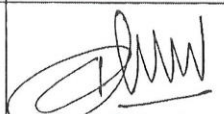
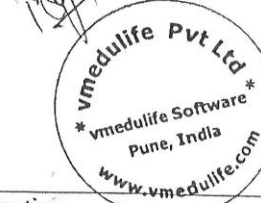
This agreement shall be initially valid for **five years** from the date of signing the agreement and to be renewed subsequently by mutual consent of both the parties.

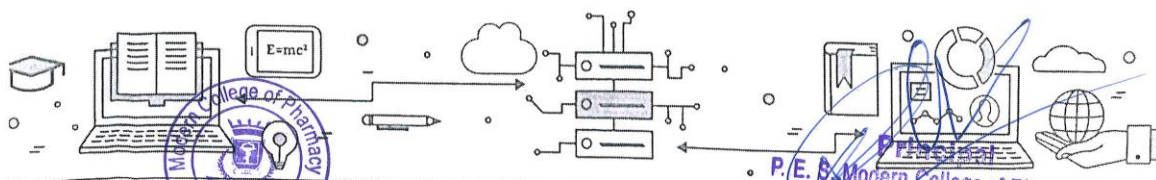
ARBITRATION

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 Ycole
Date	30.11.2021	Date	30.11.2021



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ERP Service

 <p>Progressive Education Society's MODERN COLLEGE OF PHARMACY, PUNE (Permanently Affiliated to Savitribai Phule Pune University - AISHE CODE C- 42167) (Approved by Pharmacy Council of India, Directorate of Technical Education, Mumbai, MS) DST FIST Funded College, NAAC - A+ Grade with CGPA 3.47 and NBA Accredited</p>			
Rank  amongst top 100 Pharmacy College by NIRF, New Delhi	Best College Award by Savitribai Phule Pune University, Pune	Approved under Section (2 (f) & 12 (B) of UGC Act, 1956	
Prof. Dr. P. D. Chaudhari Principal		Prof. Dr. G. R. Ekbote Chairman, Business Council, P.E. Society	
Ref- No. : MCOP/MOU/2023-24/339-7C		Date : 31/05/2024	

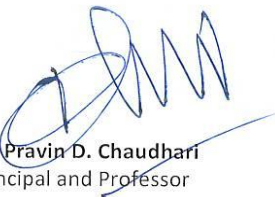
Summary of Activity done under MOU

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	No of activity	Name of Activity	No of beneficiaries	Start Date	End Date
1	2023-2024	01	Teacher Orientation Meeting	All faculty	14/05/2024	14/05/2024



Dr. Pravin D. Chaudhari
Principal and Professor

MoU Incharge
VM Edulife Pvt Ltd, Pune

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P. E. SOCIETY'S MODERN COLLEGE OF PHARMACY, NIGDI, PUNE-44

Date: 07/05/2024

Notice

Dear Faculty,

As per directives of principal sir we are arranging Teaching orientation meeting with VM edulife team on Zoom platform on 14/05/2024 scheduled at 12.00noon. All faculties are requested to join meeting. Faculties can give their suggestions and ask their queries at the end of meeting.

Details of meeting:

Date: 14/05/2024

Time: 12.00noon.

Online Link details:

Topic: Online Teaching orientation meeting Progressive Education Society's Modern College of Pharmacy.

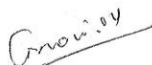
Time: May 14, 2024 12:00 PM India

Join Zoom Meeting

<https://zoom.us/j/95926394115?pwd=c2xkc2wxVzJiaGxRemp5MGpjKzZmdzO9>

Meeting ID: 959 2639 4115

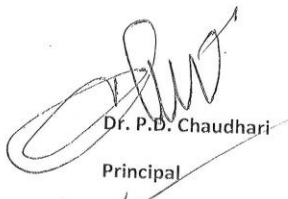
Passcode: 134917




Dr. Mohini Kuchekar

In-charge



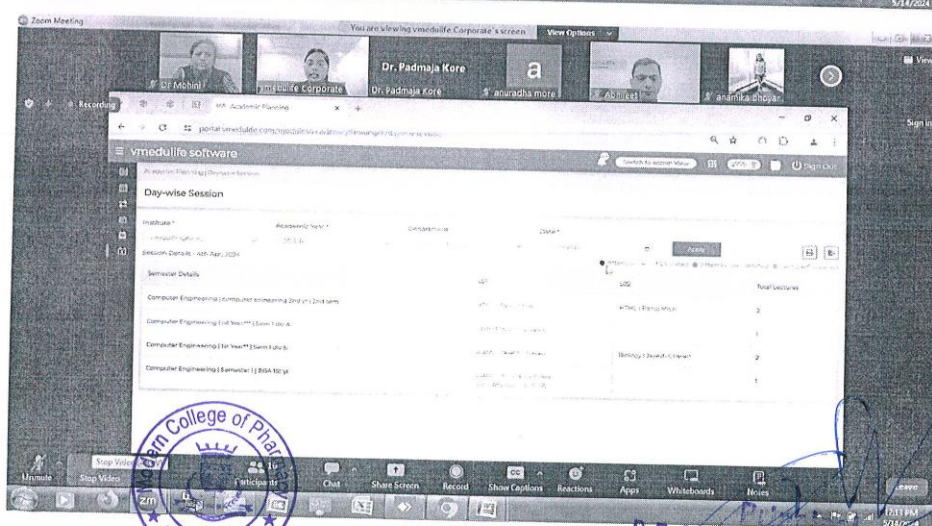
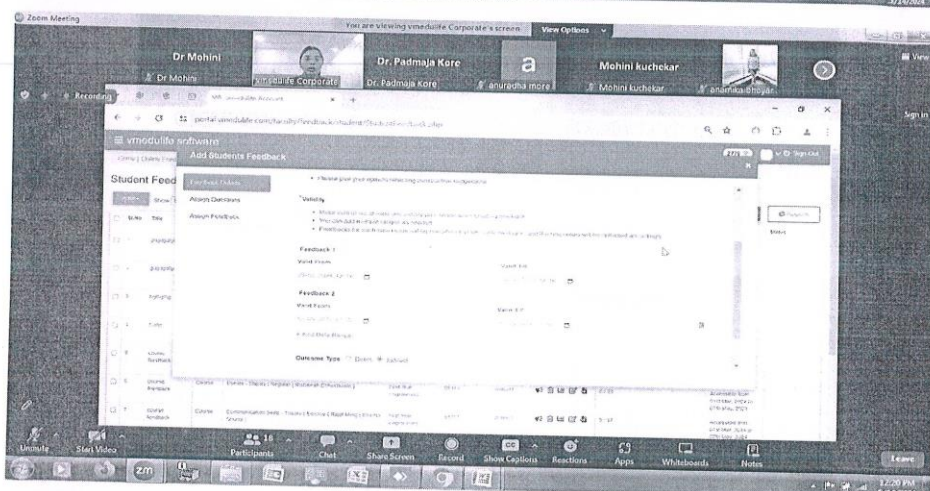
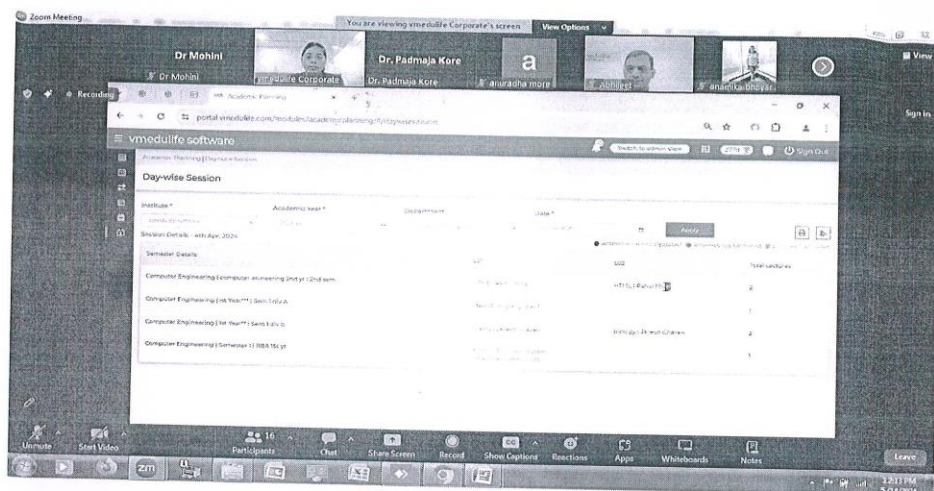

Dr. P.D. Chaudhari
Principal




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



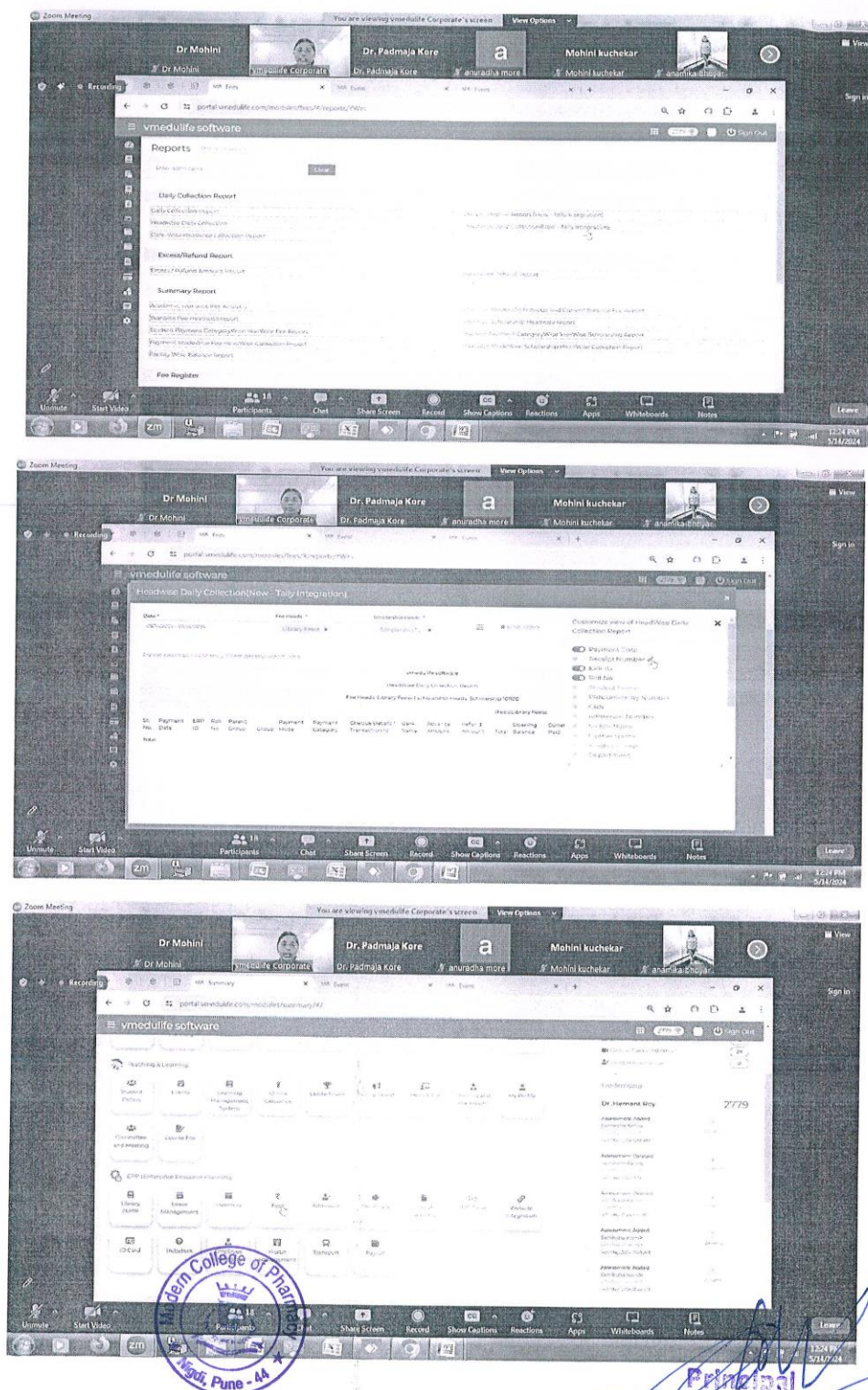
Criteria 3: Research, Innovations and Extension



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



Criteria 3: Research, Innovations and Extension



Details of meeting:

Topic: Online Teaching orientation meeting Progressive Education Society's Modern College of Pharmacy.

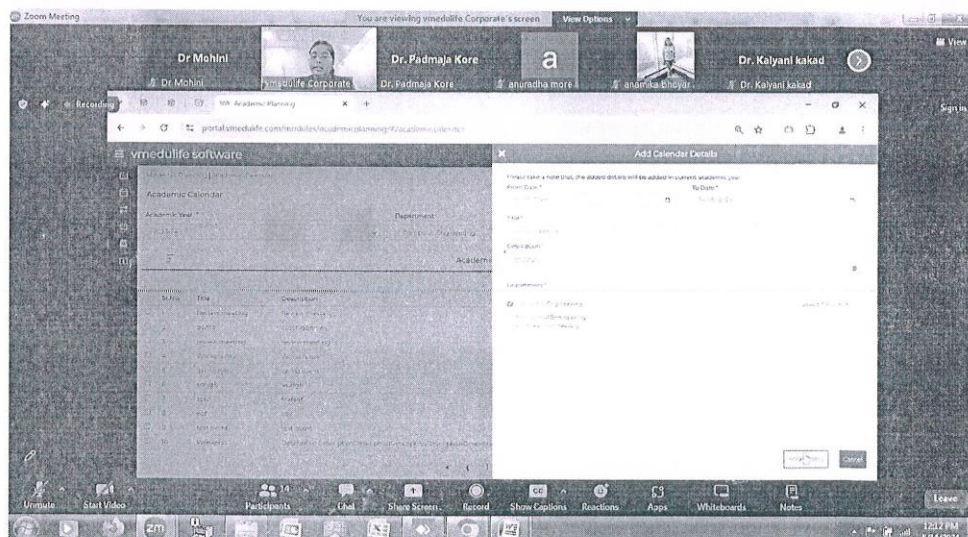
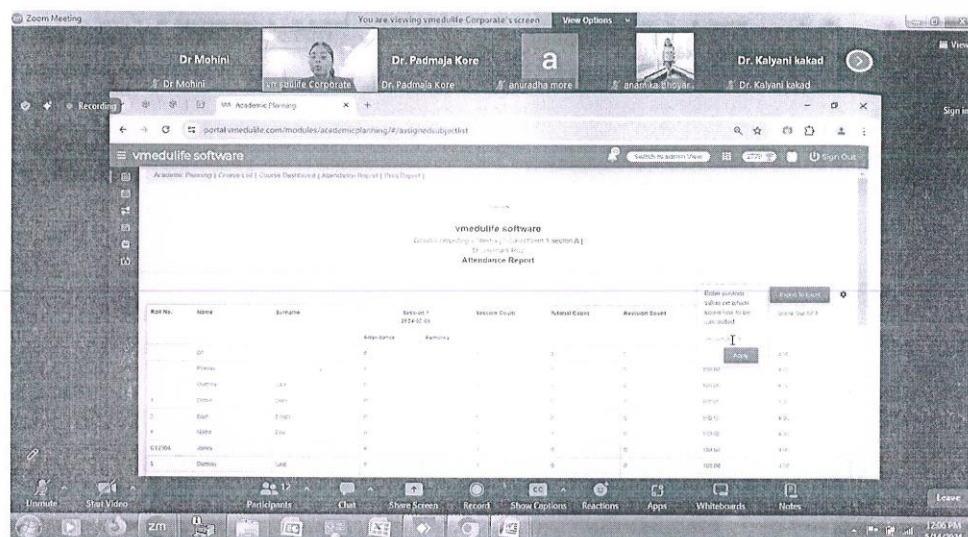
Time: May 14, 2024 12:00 PM India

Join Zoom Meeting

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Meeting ID: 959 2639 4115

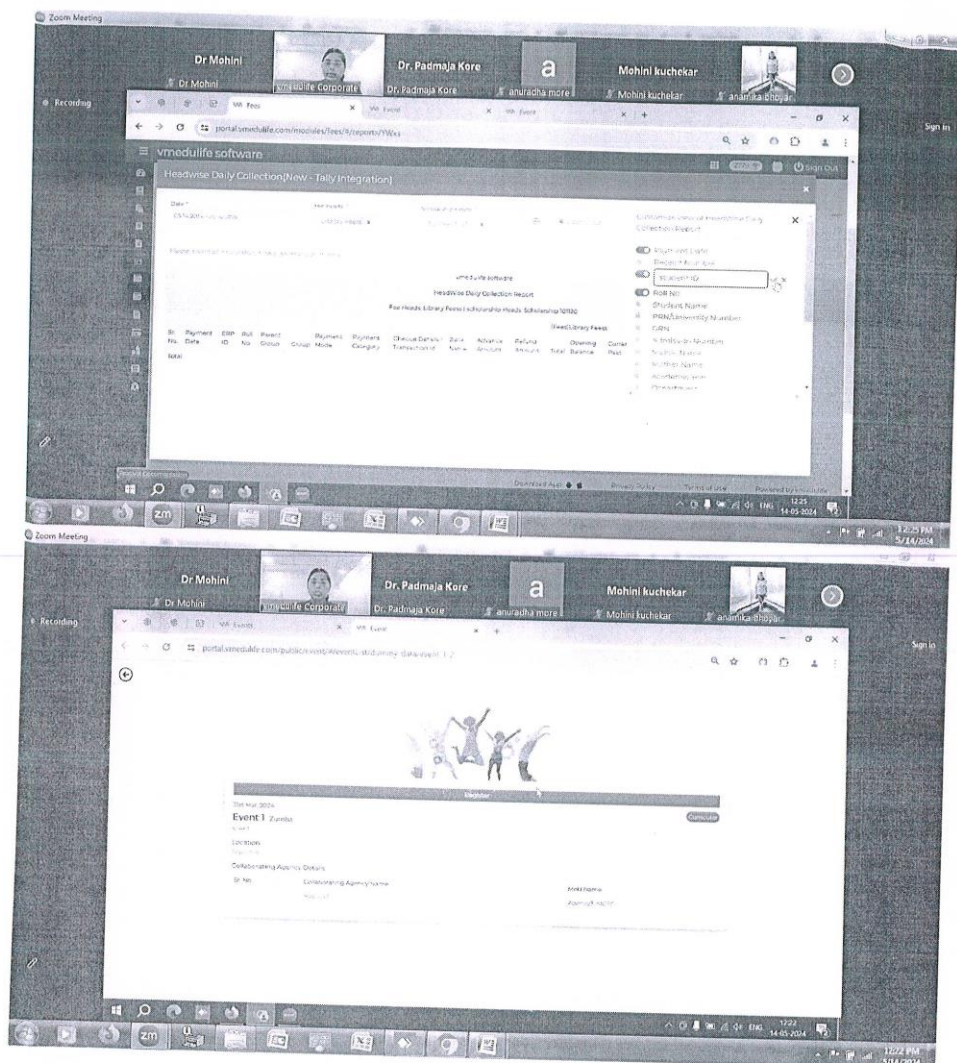
Passcode: 134917



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



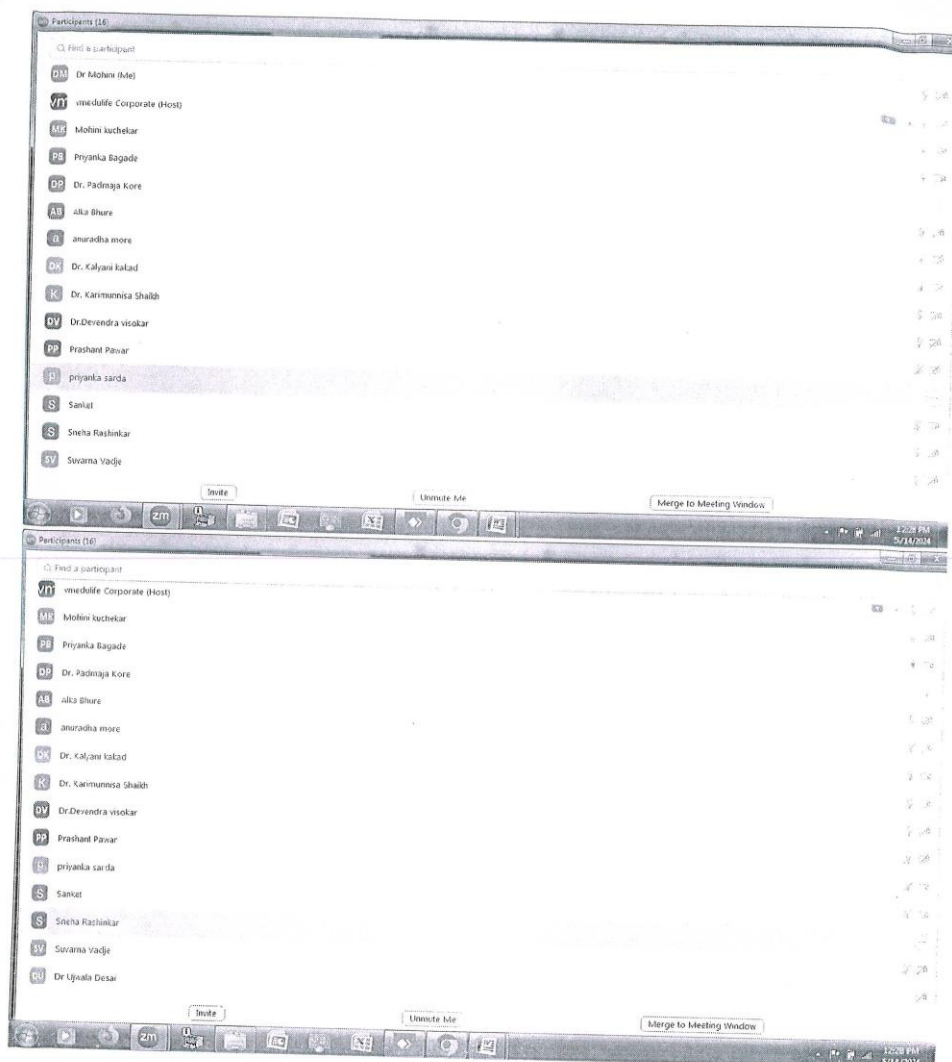
Criteria 3: Research, Innovations and Extension



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



Criteria 3: Research, Innovations and Extension




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



MOU with Deenanath Mangeshkar Hospital and Research Center, Pune



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

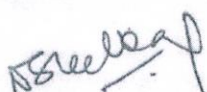
- Medicine
- Surgery
- Pediatrics
- Gynecology and Obstetrics
- Psychiatry
- Skin and VD
- Orthopedics

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.

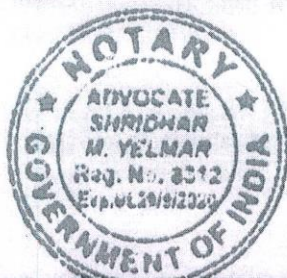
7. This agreement is to be in effect at least for **ten years** from the time of its endorsement by both the parties. The Hospital will not sign the MOU for sharing of the hospital facilities with any other Pharm D institution till the present agreement / MOU is in effect.

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 effects of Pharm.D program.

Signature
Hospital authority
with seal

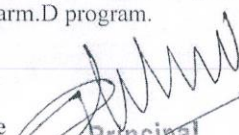

Dr. Dhananjay Kelkar
Medical Director
LMMF, Deenanath Mangeshkar Hospital
& Research Centre
Pune

Date




IDENTIFIED BY
R. N. H.

Signature
Principal
with seal


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

Date

31 AUG 2017


BEFORE ME
ADV. SHRIDHAR M. YELMAR
NOTARY GOVT. OF INDIA
CHINCHWAD, PUNE-19.
31 AUG 2017



Collaborative research 1

Progressive Education Society's
MODERN COLLEGE OF PHARMACY, PUNE
(Permanently Affiliated to Savitribai Phule Pune University - AISHE CODE C- 42167)
(Approved by Pharmacy Council of India, Directorate of Technical Education, Mumbai, MS)
DST FIST Funded College, NAAC - A+ Grade with CGPA 3.47 and NBA Accredited

Rank amongst top 100 Pharmacy College by NIRF, New Delhi

Best College Award by Savitribai Phule Pune University, Pune

Approved under Section (2 (f) & 12 (B) of UGC Act, 1956

Prof. Dr. P. D. Chaudhari
Principal

Prof. Dr. G. R. Ekbote
Chairman, Business Council, P.E. Society

Ref. No. : _____ Date : _____

Summary of Activity done under MOU

Name of concern Organization: Deenanath 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.	2023-2024	Guide: Dr. Rohini Chavan	Collaborative research	A prospective observational study aimed to assess the pain medications in the palliative care patients	4	15/11/2023	09/05/2024
2.	2023-2024	Guide: Dr. Rajani Mali	Collaborative research	Evaluation of drug reutilization strategies for unused drugs to analyze cost conserved and prevention of drug waste in healthcare settings	4		
3	2023-2024	Guide: Dr. Anjali Kumbhar	Collaborative research	A Comprehensive Analysis of Clinical Pharmacy interventions: Physicians acceptance and impact on patient care outcomes.	4		
4	2023-2024	Guide: Dr. Anjali Kumbhar	Collaborative research	Impact of Clinical Pharmacist's Patient Counselling on medication adherence to antihyperlipidemic drug therapy in a tertiary care hospital	4		
5	2023-2024	Guide: Dr. Rohini Chavan	Collaborative research	Prospective Observational Study to Assess Prescription Appropriateness in Elderly Patients by Using Beer's Criteria.	4		
6	2023-2024	Guide: Dr. _____	Collaborative research	Measurement of prevalence of cancer cachexia and evaluation of effectiveness of appetite enhancers	4		

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MODERN COLLEGE OF PHARMACY, PUNE

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Prof. Dr. P. D. Chaudhari
Principal

Prof. Dr. G. R. Ekbote
Chairman, Business Council, P.E. Society

Ref. No. :

Date :

Sr no	Academic Year	Name of faculty	Name of Activity	Name of title	No of beneficiaries	Start Date	End Date
7	2023-2024	Guide: Dr. Sunita Pawar	Collaborative research	To assess the medication adherence in patients diagnosed with type 2 diabetes mellitus at a Tertiary Care Hospital	3	15/11/2023	09/05/2024
8	2023-2024	Guide: Dr. Rajani Mali	Collaborative research	To study safety and efficacy of NEPA vs Aprepitant and Granisetron an antiemetic regimen for prevention of ematogenic Chemotherapy Induced Nausea and Vomiting in cancer patients.	3		
9	2023-2024	Guide: Dr. Mayuri Khaparde	Collaborative research	To assess the antifungal resistance pattern and antifungal treatment profile in yeasts infections: Antifungal stewardship approach.	4		
10	2023-2024	Guide: Dr. Mayuri Khaparde	Collaborative research	To assess the incidence, risk factors and Drug Resistance Patterns of Bacterial Isolates in patients with Catheter- risk Urinary Tract Infections. (CAUTI)	3		

Dr. Pravin D. Chaudhari
Principal and Professor

MoU Incharge
Dinanath Mangeshkar Hospital and Research Center, Pune



STRIVING TOWARDS EXCELLENCE FOREVER


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5th Year PharmD Project Details: 2023-2024

G No	Project title	Name Of the Students	Guide name	PI(Dinanath Mangeshkar Hospital)details
1	A prospective observational study aimed to assess the pain medications in the palliative care patients	Aakansha Chaturvedi Kanchan Shelke Pritish Rane Payal Holmukhe	Guide: Dr. Rohini Chavan Coguide: Dr. Anamika Bhoyar Dept of Clinical Pharmacy, Modern College of Pharmacy, Pune-44.	Dr. Sonali Sahu
2	Evaluation of drug reutilization strategies for unused drugs to analyze cost conserved and prevention of drug waste in healthcare settings	Tallini Lokhande Vishakha Karanjule Payal Khape Anushka Thombare	Guide: Dr. Rajani Mali Dept of Clinical Pharmacy, Modern College of Pharmacy, Pune-44.	Dr.Pritam Patil
3	A Comprehensive Analysis of Clinical Pharmacy interventions: Physicians acceptance and impact on patient care outcomes.	Mihir Chachar Sumedh Desai SavataDhadge Vishal Dhas	Guide: Dr. Anjali Kumbhar Dept of Clinical Pharmacy, Modern College of Pharmacy, Pune-44.	Dr.Dhanraj Shinde
4	Impact of Clinical Pharmacist's Patient Counselling on medication adherence to antihyperlipidemic drug therapy in a tertiary care hospital	Vinay Manocha Mihir Mirani Omkar Pande Gauri Kale	Guide: Dr. Anjali Kumbhar Dept of Clinical Pharmacy, Modern College of Pharmacy, Pune-44.	Dr.Shrikrishna Borle
5	Prospective Observational Study to Assess Prescription Appropriateness in Elderly Patients by Using Beer's Criteria.	Sayali Bakale Aishwarya Jagtap Avinash Gadekar Kirtika Ghode	Guide: Dr. Rohini Chavan Co-guide: Dr. Anamika Bhoyar Dept of Clinical Pharmacy, Modern College of Pharmacy, Pune-44.	Dr.Ashwini Joshi
6	Measurement of prevalence of cancer cachexia and evaluation of effectiveness of appetite enhancers	Shardul Bhangde Aditya Dalvi Padmaja Kamble Akanksha Undale	Guide: Dr. Sunita Pawar Dept of Clinical Pharmacy, Modern College of Pharmacy, Pune-44.	Dr.Padmaj Kulkarni
7	To assess the medication adherence in patients diagnosed with type 2 diabetes mellitus at a Tertiary Care Hospital	Tushar Bendga Ninad Patil Pradnya Patil	Guide: Dr. Sunita Pawar Coguide: Dr.Akansha Patil Dept of Clinical Pharmacy, Modern College of Pharmacy, Pune-44.	Dr.Narendra Javdekar
8	To study safety and efficacy of NEPA vs Aprepitant and Granisetron an antiemetic regimen for prevention of ematogenic Chemotherapy Induced Nausea and Vomiting in cancer patients.	Abhijit Gaikwad Saakshi Deokar Pratiksha Jadhav	Guide: Dr. Rajani Mali Coguide: Dr.Sanket Harimkar Dept of Clinical Pharmacy, Modern College of Pharmacy, Pune-44.	Dr.Shruti Gandhi
9	To assess the antifungal resistance pattern and antifungal treatment profile in yeasts infections: Antifungal stewardship approach.	Siddhi Dhawade Sharmada Dhonde Akshaya Meher Yash Patil	Guide: Dr. Mayuri Khaparde Dept of Clinical Pharmacy, Modern College of Pharmacy, Pune-44.	Dr.Bharat Purandare




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10	To assess the incidence, risk factors and Drug Resistance Patterns of Bacterial Isolates in patients with Catheter- risk Urinary Tract Infections. (CAUTI)	Tushar Jha Rutika Lavate Tejas Parkhe	Guide: Dr. Mayuri Khaparde Dept of Clinical Pharmacy, Modern College of Pharmacy, Pune-44.	Dr. Bharat Purandare
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Dr. R. B. Mali
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"A PROSPECTIVE OBSERVATIONAL STUDY AIMED TO ASSESS THE PAIN
MEDICATIONS IN PALLIATIVE CARE PATIENTS"

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
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Co-guided by
Dr. Anamika Bhoyar
Dr. Sonali Sahu

Submitted by

Ms. Aakansha D. Chaturvedi
Mr. Pritish V. Raue

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NIGDI, PUNE (2023-24)
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"A prospective observational study aimed to assess the pain medications in palliative care patients."




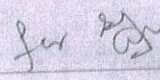
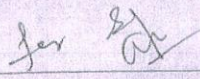
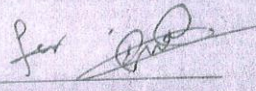
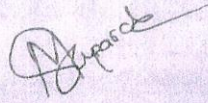
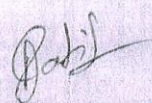
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"A PROSPECTIVE OBSERVATIONAL STUDY AIMED TO ASSESS THE PAIN MEDICATIONS IN PALLIATIVE CARE PATIENTS"

LETTER OF APPROVAL


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

 Dr. S. B. Pawar Head & Associate Professor Department of 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	 Dr. Akanksha Patil Assistant Professor Department of Clinical Pharmacy

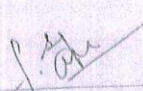
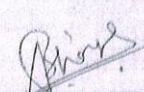


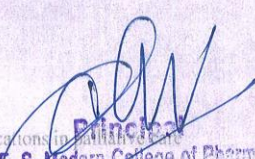
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"A prospective observational study aimed to assess the pain medications in palliative care patients."


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 Dr. Sanket Harimkar Assistant professor Department of clinical pharmacy	 Dr. Anamika Bhoyar Assistant professor Department of clinical pharmacy
	
	
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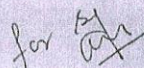


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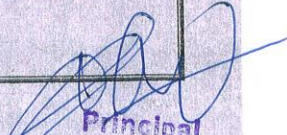
This is to certify that the research work presented in this thesis entitled "*A prospective observational study aimed to assess the pain medications in palliative care patients.*" submitted for degree of Doctor of Pharmacy, is the record of research work carried out by Miss. Aakansha Chaturvedi, Miss. Payal Holmukhe, Mr. Pritish Rane & Miss. Kanchan Shelke 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: 07/05/2024
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A prospective observational study aimed to assess the pain medications in palliative care patients.


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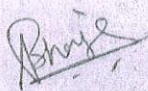


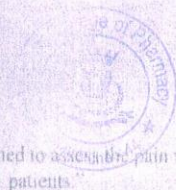
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This is to certify that the thesis entitled "*A prospective observational study aimed to assess the Pain medications in palliative care patients*" submitted for degree of Doctor of Pharmacy, is the record of research work carried out by Miss. Aakansha Chaturvedi, Miss. Payal Holmukhe, Mr. Pritish Rane & Miss. Kanchan Shelke 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.

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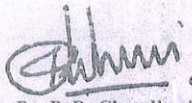
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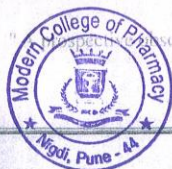
ENDORSEMENT BY THE PRINCIPAL

This is to certify that the research presented in this thesis entitled, "*A prospective observational study aimed to assess the Pain medications in palliative care patients*" for Doctor of Pharmacy is a record of bonafide research work carried out by Miss. Aakansha Chaturvedi, Miss. Payal Holmukhe, Mr. Pritish Rane & Miss. Kanchan Shelke under the guidance of Dr. Rohini Chavan at P.E.S. Modern College of Pharmacy, Nigdi, Pune 44 during the academic year 2023-2024.


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observational study aimed to assess the pain medications in palliative care patients."


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ENDORSEMENT BY THE HEAD OF DEPARTMENT

This is to certify that the research presented in this thesis entitled, "*A prospective observational study aimed to assess the Pain medications in palliative care patients*" for Doctor of Pharmacy is a record of bonafide research work carried out by Miss. Aakansha Chaturvedi, Miss. Payal Holmukhe, Mr. Pritish Rane & Miss. Kanchan Shelke under the guidance of Dr. Rohini Chavan at P.E.S. Modern College of Pharmacy, Nigdi, Pune 44 during the academic year 2022-2023.

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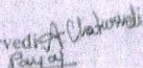



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DECLARATION BY THE CANDIDATES


This is to state that the research work entitled *"A prospective observational study aimed to assess the Pain medications in palliative care patients"* 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. Rohini Chavan** Assistant Professor, Department of Pharm D, PES's Modern College of Pharmacy, Pune and co-guide **Dr. Anamika Bhoyar** Assistant Professor, Department of Pharm D, PES's Modern College of Pharmacy, Pune and co-guide **Dr. Sonali Sahu** MBBS PGDGM, PGDPM (Cardiff university), P.G. Diploma in Hospital Administration (DMHRC-PI). Such materials, as obtained from the other sources, have been duly acknowledged in the thesis.

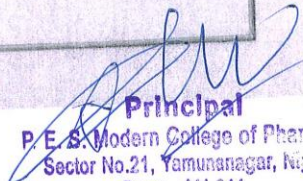
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A prospective observational study aimed to assess the pain medications in palliative care patients.




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2

"EVALUATION OF DRUG REUTILIZATION STRATEGIES FOR
UNUSED DRUGS TO ANALYZE COST CONSERVED AND
PREVENTION OF DRUG WASTE IN HEALTHCARE SETTINGS"

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

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Co-guided by

Dr. Pritam Patil

Submitted by

Ms. Vishakha V. Karanjule
Ms. Tallini D. Lokhande

Ms. Payal S. Khape
Ms. Anushka B. Thombare



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(ACCREDITED BY NAAC)**



Principal
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“EVALUATION OF DRUG REUTILIZATION STRATEGIES FOR
UNUSED DRUGS TO ANALYZE COST CONSERVED AND
PREVENTION OF DRUG WASTE IN HEALTHCARE SETTINGS”

LETTER OF APPROVAL

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

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Endorsed
By



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(ACCREDITED BY NBA & NAAC)

CERTIFICATE BY THE GUIDE

This is to certify that the research work presented in the thesis entitled "Evaluation of Drug Reutilization Strategies for Unused drugs to analyze Cost conserved and prevention of drug waste in healthcare settings" submitted for degree of Doctor of Pharmacy, is the record of research work carried out by Ms. Vishakha Karanjule, Ms. Payal Khape, Ms. Tallini Lokhande, Ms. Anushka Thombare 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.

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Dr. Pritam R. Patil
Doctor of Pharmacy
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ENDORSEMENT BY THE HEAD OF THE DEPARTMENT

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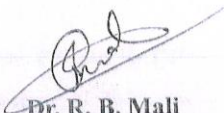
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Date: 06/05/2024
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Dr. R. B. Mali
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Dr. P. D. Chaudhari
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Ex-Dean, Faculty of Pharmaceutical Sciences,
Savitribai Phule Pune University, Pune.

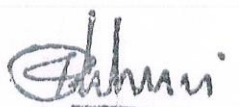
ENDORSEMENT BY THE PRINCIPAL

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Dr. P. D. Chaudhari
Principal




Principal
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3

***"A Comprehensive Analysis of Clinical Pharmacy Interventions:
Physicians acceptance and impact on patient care outcomes"***

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
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Co-guided by
Dr. Dhanraj S. Shinde

Submitted by

Mr. Mihir S. Chachar

Mr. Savata S. Dhagde

Mr. Sumedh S. Desai

Mr. Vishal K. Dhas



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impact on patient care outcomes"



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(ACCREDITED BY NBA & NAAC)

*"A Comprehensive Analysis of Clinical Pharmacy Interventions:
Physicians acceptance and impact on patient care outcomes"*

LETTER OF APPROVAL

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

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"A Comprehensive Analysis of Clinical Pharmacy Interventions: Physicians acceptance and impact on patient care outcomes"

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Comprehensive Analysis of Clinical Pharmacy Interventions: Physiological Principles and

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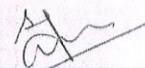
(ACCREDITED BY NBA & NAAC)

CERTIFICATE BY THE GUIDE

This is to certify that the research work presented in this thesis entitled "*A Comprehensive Analysis of Clinical Pharmacy interventions: Physicians acceptance and impact on patient care outcomes*" submitted for degree of Doctor of Pharmacy, is the record of research work carried out by Mr. Mihir S. Chachar, Mr. Sumedh S. Desai, Mr. Savata S. Dhagde, Mr. Vishal K. Dhas 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: 06/05/2024

Place: Nigdi, Pune-44

for 
Dr. Anjali R. Kumbhar
(Assistant Professor)
Research Guide



"A Comprehensive Analysis of Clinical Pharmacy Interventions: Physicians acceptance and impact on patient care outcomes"


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 CO-GUIDE

This is to certify that the thesis entitled "*A Comprehensive Analysis of Clinical Pharmacy interventions: Physicians acceptance and impact on patient care outcomes*" submitted for degree of **Doctor of Pharmacy**, is the record of research work carried out by, **Mr. Mihir S. Chachar, Mr. Sumedh S. Desai, Mr. Savata S. Dhagde, Mr. Vishal K. Dhas** 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. Dhanraj S. Shinde

Dr. Dhanraj S. Shinde

Intensive & Pediatric care Clinical
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Deenanath Mangeshkar Hospital
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Research Co-Guide

Date: 06/05/2024

Place: Nigdi, Pune-44.



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7



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ENDORSEMENT BY THE PRINCIPAL

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P. D. Chaudhari

Dr. P. D. Chaudhari
Principal
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"A Comprehensive Analysis of Clinical Pharmacy interventions: Physicians acceptance and impact on patient care outcomes"

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SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION BY THE CANDIDATES

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Date: 06/05/2024

Place: Nigdi, Pune-44.

Mr. Mihir S. Chachar

Mr. Sumedh S. Desai

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Mr. Vishal K. Dhas



A Comprehensive Analysis of Clinical Pharmacy Interventions: Physicians acceptance and

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8



*Impact of Clinical Pharmacist's Patient Counselling on
Medication Adherence to Antihyperlipidemic Drug Therapy
in a Tertiary care Hospital*

*Thesis submitted in the partial fulfillment for the degree of PharmD.
(DOCTOR OF PHARMACY)*

In the faculty of Pharmaceutical Sciences
SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



Guided by
Dr. Anjali Kumbhar

Co-guided by
Dr. Shrikrushna. C. Borle

Submitted by

Mr. Vinay Manocha
Mr. Omkar Pande

Mr. Mihir Mirani
Ms. Gauri Kale



PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF
PHARMACY, NIGDI, PUNE (2023-24)
(ACCREDITED BY NAAC)

*"Impact of Clinical Pharmacist's Patient Counselling on Medication Adherence to
Antihyperlipidemic Drug Therapy in a Tertiary Care Hospital"*



Principal
P. E. S. Modern College of Pharmacy
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Impact of Clinical Pharmacist's Patient Counselling on medication adherence to antihyperlipidemic drug therapy in a tertiary care hospital

LETTER OF APPROVAL

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

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

Dr. R. P. Chavan
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Dr. R. B. Mali
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Dr. M. S. Khaparde
Assistant Professor,
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Dr. A. A. Patil
Assistant Professor
Department of Pharm. D

Dr. S. R. Harimkar
Assistant Professor,
Department of Pharm. D

Dr. A. P. Bhoyar
Assistant Professor
Department of Pharm. D



85-26

"Impact of Clinical Pharmacist's Patient Counselling on Medication Adherence to Antihyperlipidemic Drug Therapy in a Tertiary Care Hospital"

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Date: 06/05/2024
Place: Pune


Dr. Anjali R. Kumbhar
(Assistant Professor)

Research Guide



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Date: 06/05/2024

S. C. Borle

Dr. Shrikrushna. C. Borle

Clinical Pharmacologist,
Deenanath Mangeshkar Hospital and Research Center

Place: Pune

Research Co-Guide



"Impact of Clinical Pharmacist's Patient Counselling on Medication Adherence to Antihyperlipidemic Drug Therapy in a Tertiary Care Hospital"

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Place: Pune



Dr. P. D. Chaudhari

Principal
MCOP

Impact of Clinical Pharmacist's Patient Counselling on Medication Adherence to Antihyperlipidemic Drug Therapy in a Tertiary Care Hospital"



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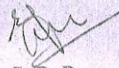
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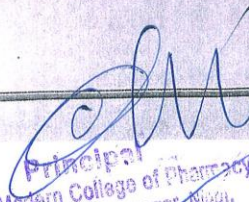
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Dr. S. B. Pawar
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Place: Pune

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DECLARATION BY THE CANDIDATES

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Date: 06/05/2024

Place: Pune

Mr. Vinay Manocha

V. Manocha

Mr. Mihir Mirani

M. Mirani

Mr. Omkar Pande

O. Pande

Ms. Gauri Kale

G. Kale

Impact of Clinical Pharmacist's Patient Counselling on Medication Adherence to Antihyperlipidemic Drug Therapy in a Tertiary Care Hospital



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8

**"PROSPECTIVE OBSERVATIONAL STUDY TO ASSESS PRESCRIPTION
APPROPRIATENESS IN ELDERLY PATIENTS BY USING BEER'S CRITERIA"**

*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. Rohini Chavan

Co-guided by

Dr. Ashwini Joshi

Submitted by

Ms. Sayali S. Bakale

Ms. Kirtika R. Ghode

Mr. Avinash G. Gadekar

Ms. Aishwarya K. Jagtap



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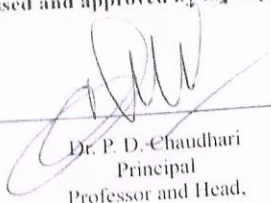
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



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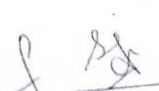
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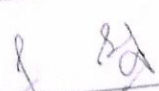
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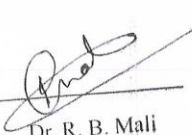

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Pharm. D Programme

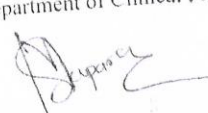

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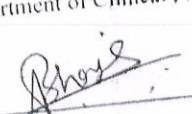

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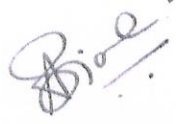


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Date: 6 May 2024
Place : DMHRC




Dr. Ashwini Joshi
MBBS,DNB
(Internal Medicine)
Department of Medicine
DMHRC, Pune
(Research Co Guide)

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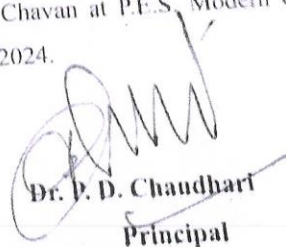
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Date: 6 may 2024
Place: MCOP, Nigdi


Dr. P. D. Chaudhari
Principal




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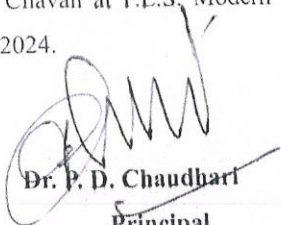
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Dr. P. D. Chaudhari
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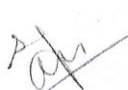
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Dr. S. B. Pawar
Associate Professor,
Head of the Department of Clinical Pharmacy,
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Yamunanagar, Nigdi, Pune-44.

ENDORSEMENT BY THE HEAD OF THE DEPARTMENT

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SAVITRIBAI PHULE PUNE UNIVERSITY



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Date: 6 may 2024

Place: MCOP, Nigdi

Ms. Sayali S. Bakale

Ms. Avinash. G. Gadekar

Ms. Kirtika R. Ghode

Ms. Aishwarya K. Jagtap



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*"Measurement of prevalence of cancer cachexia
and evaluation effectiveness of appetite enhancers."*

Thesis submitted in the partial fulfilment for the degree of

Pharm. D

(Doctor Of Pharmacy)

In the faculty of Pharmaceutical Science

SAVITRIBAI PHULE UNIVERSITY, PUNE.



Guided by

Dr. S. B. Pawar

Co- Guided by.

Dr. Padmaj Kulkarni

Dr. Pankaj Wanjarkhedkar

Submitted by

Mr. Shardul S. Bhange

Ms. Padmaja D. Kamble

Mr. Aditya N. Dalvi

Ms. Akanksha K. Undale



PROGRESSIVE EDUCATION SOCIETY'S

MODERN COLLEGE OF PHARMACY,

NIGDI, PUNE. (2023-24)

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Measurement of prevalence of cancer cachexia and evaluation of effectiveness of appetite enhancers



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Dr. Akanksha Patil

Assistant Professor,
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Evaluated
DND
8/5/24



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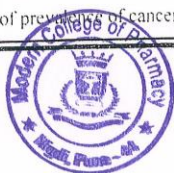


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Measurement of prevalence of cancer cachexia and evaluation of effectiveness of appetite enhancers	



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Date: 07.05.24

Place: Nigdi

Dr. S. B. Pawar

(Head & Associate Professor

Department of Clinical Pharmacy)

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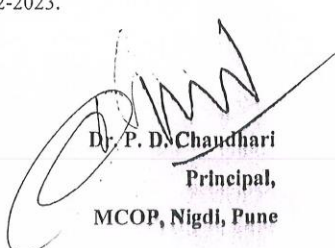
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ENDORSEMENT BY THE PRINCIPAL

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Date: 07.05.24

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Dr. P. D. Chaudhari
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Measurement of prevalence of cancer cachexia and evaluation of effectiveness of appetite enhancers

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ENDORSEMENT BY THE HEAD OF DEPARTMENT

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Measurement of prevalence of cancer cachexia and evaluation of effectiveness of appetite enhancers

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SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION BY THE CANDIDATES

This is to state that the research work entitled "Measurement of Prevalence of Cancer Cachexia and Evaluation of Effectiveness of Appetite Enhancers" for the degree of Pharm. D has not been submitted in parts or full in 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. Padmaj Kulkarni, MBBS, MD(Medicine), DM (Oncology), ECMO, DMH (PI) and Dr. Pankaj Wajarkhedkar, BAMS, MD (Ayurved), PG Dipl. In Panchakarma, DMH (Co -PI). Such materials, as obtained from the other sources, have been duly acknowledged in the thesis.

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Mr. Aditya N. Dalvi

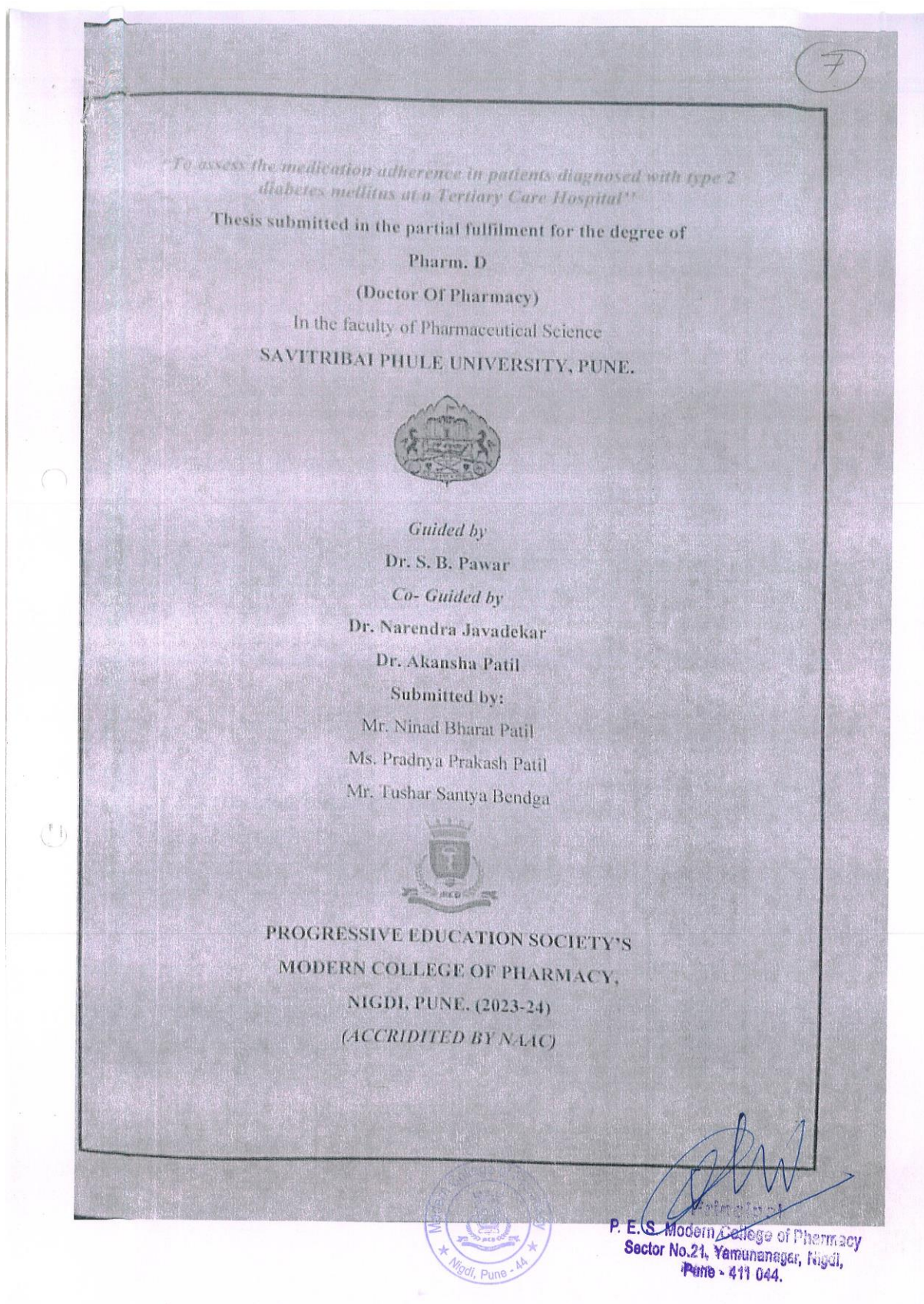
Miss. Padmaja D. Kamble

Miss. Akanksha K. Undale



Measurement of prevalence of cancer cachexia and evaluation of effectiveness of appetite enhancers

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"To assess the medication adherence in patients diagnosed with type 2 diabetes mellitus at a Tertiary Care Hospital"

LETTER OF APPROVAL

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

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CERTIFICATE BY THE GUIDE

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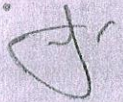
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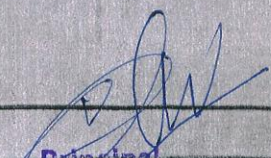
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ENDORSEMENT BY THE PRINCIPAL

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Date: 8-5-24

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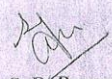
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ENDORSEMENT BY THE HEAD OF DEPARTMENT

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DECLARATION BY THE CANDIDATES

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8

" To Study safety and efficacy of NEPA vs Aprepitant and Granisetron an antiemetic regimen for Prevention of ematogenic Chemotherapy Induced Nausea and Vomiting in cancer patients. "

*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
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Co-guided by
Dr. Shruti S. Gandhi

Submitted by

Ms.Saakshi S. Deokar

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LETTER OF APPROVAL

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2



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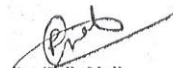
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Date: 06/05/2024

Place: MCOP, Nigdi


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Research Guide

To Study Safety and Efficacy of NEPA vs Aprepitant and Granisetron in Cancer Patients.

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CERTIFICATE BY CO- GUIDE

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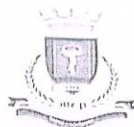
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ENDORSEMENT BY THE PRINCIPAL

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Date: 06/05/2024

Place: MCOP, Nigdi



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ENDORSEMENT BY THE HEAD OF THE DEPARTMENT

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Date: 06/05/2024

Place: MCOP, Nigdi


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To Study Safety and Efficacy of NEPA vs Aprepitant and Granisetron in Cancer Patients.

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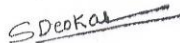
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DECLARATION BY THE CANDIDATES

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Date: 06/05/2024
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Ms. Saakshi S. Deokar



Mr. Abhijit A. Galkwad




Ms. Pratiksha Jadhav

To Study Safety and Efficacy of NEPA vs Aprepitant and Granisetron in Cancer Patients.

7



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9

"To assess the antifungal resistance pattern and antifungal treatment profile in yeasts infections: Antifungal stewardship approach"

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 Khaparade

Co-guided by
Dr. Bharat Purandare

Submitted by

Ms. Siddhi Dhawade Ms. Sharmada Dhonde
Ms. Akshaya Meher Mr. Yash Patil



PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF PHARMACY,
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LETTER OF APPROVAL

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

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(ACCREDITED BY NBA & NAAC)

CERTIFICATE BY THE GUIDE

This is to certify that the research work present in this thesis entitled "*To assess the antifungal resistance pattern and antifungal treatment profile in yeasts infections: Antifungal stewardship approach*" submitted for the degree of Doctor of Pharmacy is the record of research work carried out by Ms. Siddhi R. Dhawade, Ms. Sharamada A. Dhonde, Ms. Akshaya Meher and Mr. Yash Patil under my guidance and supervision that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

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Dr. Bharat Purandare

Honorary Consultant,
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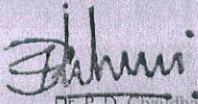
Dr. P. D. Chaudhari
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Nigdi, Pune- 44
Ex-Dean, Faculty of Pharmaceutical Sciences, Savitribai
Phule Pune University, Pune.


ENDORSEMENT BY THE PRINCIPAL


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Date: 7/3/24
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
Dr. S. B. Pawar
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Date: 7/5/24

Place: MCOP, Nigdi



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HOD of Clinical Pharmacy




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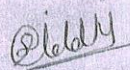
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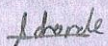


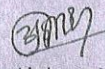
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
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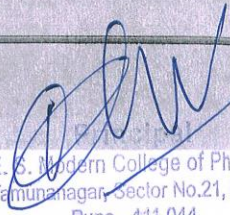

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10

"To assess the incidence, risk factors and Drug Resistance Patterns of Bacterial Isolates in patients with Catheter-Associated Urinary Tract Infections. (CAUTI)."

Thesis submitted in the partial fulfilment for the degree of

Pharm. D

(Doctor Of Pharmacy)

In the faculty of Pharmaceutical Science

SAVITRIBAI PHULE UNIVERSITY, PUNE.



Guided by

Dr. Mayuri S. Khaparde.

Submitted by

Mr. Tushar Jha.

Miss. Rutika Lavate.

Mr. Tejas Parkhe.



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"To assess the incidence, risk factors and Drug Resistance Patterns of Bacterial Isolates in patients with Catheter-Associated Urinary Tract Infections (CAUTI)."



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“To assess the incidence, risk factors and Drug Resistance Patterns of Bacterial Isolates in patients with Catheter-Associated Urinary Tract Infections (CAUTI).”

LETTER OF APPROVAL

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

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Department of Clinical Pharmacy

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“To assess the incidence, risk factors and Drug Resistance Patterns of Bacterial Isolates in patients with Catheter-Associated Urinary Tract Infections (CAUTI).”



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Date: 07/05/2024

Place: Nigdi

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(Assistant Professor,

Department of Clinical Pharmacy)

Research Guide

"To assess the incidence, risk factors and Drug Resistance Patterns of Bacterial Isolates in patients with Catheter- Associated Urinary Tract Infections (CAUTI)."



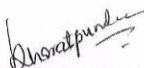
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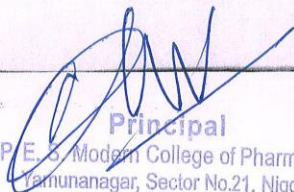

Dr. Bharat Purandare
MD, D.N.B. (Medicine)

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"To assess the incidence, risk factors and Drug Resistance Patterns of Bacterial Isolates in patients with Catheter- Associated Urinary Tract Infections (CAUTI)."



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Dr. S. B. Pawar
Head of Department
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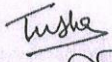

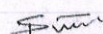


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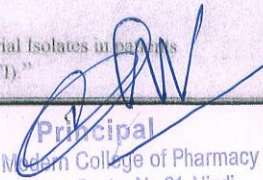
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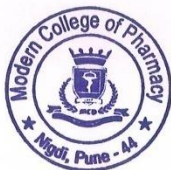
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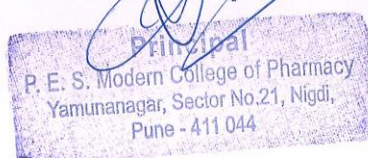


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Date of MOU: 28/08/2019

Validity Period of MOU: Lifetime

Sr no	Academic Year	No of activity	Name of Activity	No of beneficiaries	Start Date	End Date
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2.	2023-2024	01	1. Collaborative research	07	01/04/2022	30/9/2023



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Future Journal of
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REVIEW

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Process development and quality attributes for the freeze-drying process in pharmaceuticals, biopharmaceuticals and nanomedicine delivery: a state-of-the-art review

Sagar R. Pardeshi¹, Nilesh S. Deshmukh², Darshan R. Telange³, Sopan N. Nangare⁴, Yogesh Y. Sonar⁵, Sameer H. Lakade⁶, Minal T. Harde⁷, Chandrakantsing V. Pardeshi⁸, Amol Gholap¹, Prashant K. Deshmukh⁹ and Mahesh P. More^{9*}

Abstract

Background Process intensification is a major hurdle in pharmaceutical process scale-up. Solvent removal strategies have limited the effectiveness of the overall stability of pharmaceutical formulations. The main aim of present review article is to focus on the use of the freeze-drying process in pharmaceuticals, biopharmaceuticals and nanoderived therapeutics and their translation into commercial viable products. Unwavering efforts of scientists in the process intensification of lyophilization promote unique features of products for commercialization. Regulatory agencies are promoting the utilization of a quality-by-design approach to improve product characteristics. Among 300 FDA-approved pharmaceutical industries, 50% of products are freeze-dried. The freeze-drying process is costlier and requires more time than other drying methodologies. Unstable pharmaceutical dispersions and solutions can be preferably stabilized by using the freeze-drying method.

Main text This review highlights the utilization of critical quality attributes and process parameters for the freeze-drying process, which helps to improve the integrity and stability of the formulation. The quality-by-design approach possibly cuts the cost of the process and saves money, time, and laborious work. The present review focuses preliminarily on the applications of freeze-drying in the development of biopharmaceuticals, including vaccines, proteins and peptides, and injectable products. In addition, a separate section demonstrating the potential of freeze-drying in nanoderived therapeutics has been illustrated briefly. The present clinical scenario of freeze-dried pharmaceuticals and biopharmaceuticals has also been described in later sections of the review.

Conclusions This review underscores the value of integrating Quality by Design into the development of lyophilization processes for pharmaceutical and biopharmaceutical products. By identifying critical process parameters, delineating a design space, and leveraging advanced monitoring techniques, manufacturers can effectively address the intricacies of lyophilization. This approach empowers them to produce stable, superior quality products with confidence and consistency.

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RESEARCH ARTICLE

Green HPTLC - Densitometric approach for quantitation of Ruxolitinib in bulk and marketed formulation

Ujwala Wasnik¹, Sameer Lakade², Minal Harde^{3*}, Mugdha Banduke³, Trupti Dighe³,
Abhijeet More³, Prathmesh Nale³, Ajay Patange³, Shivshankar Waghmare³,
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ABSTRACT:

Background: This paper describes the development of HPTLC method for the quantitative determination of Ruxolitinib in bulk and tablet dosage form using a systemic approach. A simple, precise, accurate and specific high performance thin layer chromatographic method has been developed and validated for the Ruxolitinib in bulk and marketed formulation. **Methods:** The solvent system was 8.0:2.0:0.05 v/v/v of chloroform, methanol, and formic acid. This system was found to give compact spots for Ruxolitinib (Rf value of (0.71±0.02)). **Densitometric analysis of Ruxolitinib** was tested in the absorbance mode at 236nm. **Results:** The developed method produced linear results with $R^2 = 0.998$ for a range of 100 - 600ng/band. The accuracy of the method was determined at 80, 100, and 120% level. The % recoveries were found to be 100.01%, 99.13%, and 99.82% which are within the limit of 99% to 101%. The LOD and LOQ were found to be 8.19 ng/band and 25.06ng/band indicating the sensitivity of the method. Using the developed method, it was found that intraday and interday RSD values were less than 2%. The method was also found to be robust as indicated by the % RSD values less than 2%. **Conclusion:** The present method was validated according to the ICH guidelines and it is applied successfully for the determination of Ruxolitinib in tablets.

KEYWORDS: Ruxolitinib, HPTLC, Validation, Method development, ICH Guidelines.

INTRODUCTION:

Ruxolitinib is chemically (3R)-3-cyclopentyl-3-[4-(7H-pyrrolo[2,3-d] pyrimidin-4-yl) pyrazol-1-yl] propanenitrile. (fig 1.)¹ Ruxolitinib is a medication for the treatment of intermediate or high-risk myelofibrosis, a type of myeloproliferative disorder that affects the bone marrow; polycythemia vera (PCV), when there has been an inadequate response to or intolerance of hydroxyurea; and steroid-refractory acute graft-versus-host disease. It was developed and marketed by Incyte Corp in the US under the brand name Jakafi, and by Novartis, under the brand name Jakavi. Ruxolitinib is a janus kinase inhibitor.²

Ruxolitinib is associated with transient and usually mild elevations in serum aminotransferase during therapy and to rare instances of self-limited, clinically apparent idiosyncratic acute liver injury as well as to cases of reactivation of hepatitis B in susceptible individuals.³ Janus kinases (JAKs), consisting of JAK1, JAK2, JAK3, and Tyk2, are intracellular signaling enzymes that act downstream of key proinflammatory cytokines, and each is known to contribute to the pathogenesis of atopic dermatitis⁴⁻¹¹. Recent studies indicate that JAK mediates signaling underlying sensory nerve fiber function and may mediate pruritic effects¹²⁻¹³. Therefore, JAK inhibitors for topical application (e.g., delgocitinib, tofacitinib, oclatinib, and ruxolitinib) have garnered interest as potential therapeutics for atopic dermatitis¹⁴⁻¹⁷. Ruxolitinib is a selective inhibitor of JAK1 and JAK2 that is approved as an oral formulation for the treatment of patients with myeloproliferative neoplasms, including myelofibrosis, polycythemia vera, and steroid-refractory acute graft-versus-host disease¹⁸.

Received on 18.05.2022 Modified on 30.09.2022
Accepted on 24.01.2023 © RJPT All right reserved
Research J. Pharm. and Tech 2023; 16(9):4219-4224.
DOI: 10.52711/0974-360X.2023.00690

4219





MOU with Anasyn Lab Private Limited, Tathwade, Pune



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

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)

AnaSyn Lab 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)

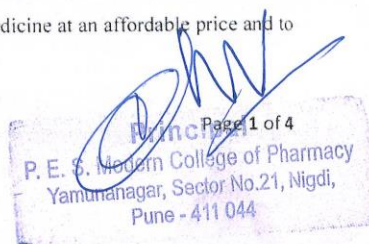
PREAMBLE

• **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 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.

• **AnaSyn Lab Pvt Ltd, Tathawade, Pune-411033**

AnaSyn Laboratories Pvt. Ltd. is a leading Pharmaceutical R & D driven organization that was established by techno-entrepreneurs 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





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

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




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Principal
P. E. S. Modern College of Pharmacy
Yamunanagar, Sector No.21, 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.



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

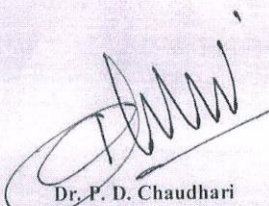


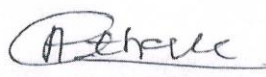
ANASYN LAB PRIVATE LIMITED

Shop No. 8, Sr. No. 129/2B/1, Jivan Nagar Behind Chowgule Industries,
Near S. G. Hostel, Tathawade, Pune-411033, Maharashtra, India

- 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.

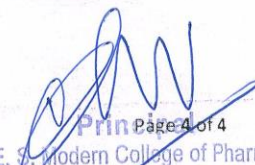
Signed on – 15/07/2021


Dr. P. D. Chaudhari
Principal


Dr. Ashok B. Pathak
Director




PES, Modern college of Pharmacy, Nigdi, Pune AnaSyn Lab Pvt Ltd, Tathawade, Pune




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



Collaborative research

 MODERN COLLEGE OF PHARMACY, PUNE (Permanently Affiliated to Savitribai Phule Pune University - AISHE CODE C- 42167) (Approved by Pharmacy Council of India, Directorate of Technical Education, Mumbai, MS) DST FIST Funded College, NAAC - A+ Grade with CGPA 3.47 and NBA Accredited			
Rank  Amongst top 100 Pharmacy College by NIRF, New Delhi	Best College Award by Savitribai Phule Pune University, Pune	Approved under Section (2 (f) & 12 (B) of UGC Act, 1956	
Prof. Dr. P. D. Chaudhari Principal		Prof. Dr. G. R. Ekbote Chairman, Business Council, P.E. Society	
Ref- No.: mcop/mou/2023-24/339-7E		Date: 31/05/2024	

Summary of Activity done under MOU


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	No of activity	Name of Activity	No of beneficiaries	Start Date	End Date
1	2021-2022	01	Collaborative research	01	28/05/2024	28/05/2024

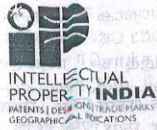



Dr. Pravin D. Chaudhari
Principal and Professor


MoU Incharge
Anasyn Lab Private Limited, Tathwade, Pune

STRIVING TOWARDS EXCELLENCE FOREVER

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



क्रम सं/SL No.:022144794



पेटेंट कार्यालय, भारत सरकार
पेटेंट प्रमाण पत्र

The Patent Office, Government Of India
Patent Certificate

(पेटेंट नियमावली का नियम 74)

(Rule 74 of The Patents Rules)

पेटेंट सं. / Patent No. : 539622
आवेदन सं. / Application No. : 202221051620
फाइल करने की तारीख / Date of Filing : 09/09/2022
पेटेटी / Patentee : 1.P. E. Society's Modern College of Pharmacy, Nigdi, Pune.
2. Dr. Amit S. Tapkir 3. Dr. Ashok B. Pathak 4. Dr. Praveen
Digambar Chaudhari

प्रमाणित किया जाता है कि पेटेटी को, उपरोक्त आवेदन में यथाप्रकटित "SYNTHESIS OF ATENOLOL IMPURITY OF 2,2'- [(ISOPROPYL AZANEDIYL) BIS (2-HYDROXYPROPANE-3,1- DIYL)) BIS(OXY)) BIS (4, 1-PHENYLENE)] DIACETAMIDE" नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबंधों के अनुसार आज तारीख सितम्बर 2022 के नौवें दिन से बीस वर्ष की अवधि के लिए पेटेंट अनुदत्त किया गया है।

It is hereby certified that a patent has been granted to the patentee for an invention entitled "SYNTHESIS OF ATENOLOL IMPURITY OF 2,2'- [(ISOPROPYL AZANEDIYL) BIS (2-HYDROXYPROPANE-3,1- DIYL)) BIS(OXY)) BIS (4, 1-PHENYLENE)] DIACETAMIDE" as disclosed in the above mentioned application for the term of 20 years from the 9th day of September 2022 in accordance with the provisions of the Patents Act, 1970.



अनुदान की तारीख : 28/05/2024
Date of Grant :

उद्घाटन की तिथि
पेटेंट नियंत्रक
Controller of Patents

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, सितम्बर 2024 के नौवें दिन को और उसके पश्चात प्रत्येक वर्ष में उसी दिन देय होगी।
Note. - The fees for renewal of this patent, if it is to be maintained, will fall / has fallen due on 9th day of September 2024 and on the same day in every year thereafter.

*चूंकि पेटेटी व आविष्कारकों की संख्या अधिक है, पेटेटी व आविष्कारकों के नाम पृष्ठ संख्या 2 पर जारी हैं।
*Since the Number of Patentees / Inventors is more, the name of Patentees / Inventors are continued on Page No. 2

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



पेटेंट प्रमाणपत्र के लिए अनुलग्नक/Annexure to Patent Certificate

पेटेंट सं. / Patent No.

539622

आवेदन सं. / Application No.

202221051620

फाइल करने की तारीख / Date of Filing

09/09/2022

पेटेन्टी / Patentee (जारी/Continued)

5.Mr. Sanket B.Bhatshankar 6.Mr. Sandip M. Bhagat



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



MOU with Intellectual Property Intellect Services (IPIS), Pune



MEMORANDUM OF UNDERSTANDING (MOU)

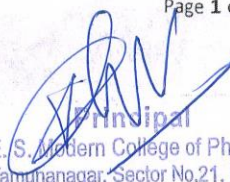
BETWEEN

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.



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Principal
P. E. S. Modern College of Pharmacy
Yamunanagar, Sector No.21, 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 also present an Intellectual property (IP)-Law firm actively involved in training and imparting education in the field of intellectual property. It also provides all kinds of IP services



IPIS-Intellectual

Property Intellect Services

Page 2 of 5

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



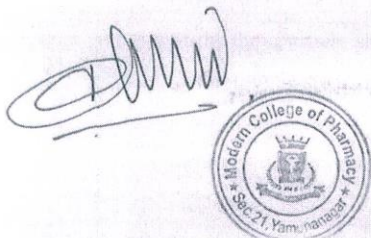
like drafting, filing of application, prosecution, renewal and patent valuation and strengths of patent, and commercialization guidance, and litigation etc.

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.



IPIS-Intellectual Property Intellect Services

RS

Page 3 of 5

Proprietor

Principal

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



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



IPIS-Intellectual Property Intellect Services

Page 4 of 5

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



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.

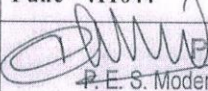
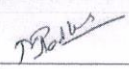
7. Termination:

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
Designation	Principal	Designation	Founder Proprietor
Name	Dr. Pravin D. Chaudhari	Name	Mr. Mahesh M. Jadhav
Date	18/5/2022	Date	18/05/2022



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



IPR activity

 MODERN COLLEGE OF PHARMACY, PUNE (Permanently Affiliated to Savitribai Phule Pune University - AISHE CODE C- 42167) (Approved by Pharmacy Council of India, Directorate of Technical Education, Mumbai, MS) DST FIST Funded College, NAAC - A+ Grade with CGPA 3.47 and NBA Accredited			
Rank  amongst top 100 Pharmacy College by NIRF, New Delhi	Best College Award by Savitribai Phule Pune University, Pune	Approved under Section (2 (f) & 12 (B) of UGC Act, 1956	
Prof. Dr. P. D. Chaudhari Principal		Prof. Dr. G. R. Ekbote Chairman, Business Council, P.E. Society	
Ref No : mcop/mou/2023-24/339-7F)		Date : 30/5/2024	

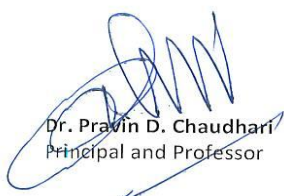
Summary of Activity done under MOU

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	Year: 2023-24
Research patents filed	00
Research patents published	14
Research patents granted	09
Design patents filed	00
Design patents granted	12
Copyrights filed	01
Copyrights registered	15
Total	51


Dr. Pravin D. Chaudhari
Principal and Professor




MoU Incharge
Intellectual Property Intellect Services (IPIS), Pune

STRIVING TOWARDS EXCELLENCE FOREVER

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

For details refer 3.2.1



MOU with GTT Foundation, Pune



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. : 020-27681314 / 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 : MCP/ MoU/ 2021-22/148

Date : 06/09/2021

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 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



1

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Yamunanagar, Sector No.21, 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 "GTTF" (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:

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Principal
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Yamunanagar, Sector No.21, 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.

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Principal
P. E. S. Modern College of Pharmacy
Yamunanagar, Sector No.21, 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.



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Yamunanagar, Sector No.21, 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

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Principal
P. E. S. Modern College of Pharmacy
Yamunanagar, Sector No.21, 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.

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Principal
P. E. S. Modern College of Pharmacy
Yamunanagar, Sector No.21, 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.

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



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



Memorandum of Understanding

This Memorandum of Understanding is made at Pune on 3rd October 2023

BETWEEN

P.E. Society's Modern College of Pharmacy, Nigdi Pune having its Registered Office at Sector no-21, Yamunanagar, Nigdi, Pune- 411044 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 hereinafter referred to as "GTTF" (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. P.E. Society's Modern College of Pharmacy Nigdi Pune is an Educational institution affiliated to the Savitribai Phule 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. P.E. Society's Modern College of Pharmacy Nigdi Pune 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 HERETO AS UNDER:

1. Objective:

The objective of this MOU is to enable students of **College** access to resources that would enhance their employability.



GTT Foundation
10, Talera Park, Kalyani Nagar, Pune-411014



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



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 Five 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.

3. Roles & Responsibilities of the College:

- a. 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. College shall share in their letterhead the details of the students who will attend the aforesaid 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 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.
- 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.



GTTF Foundation
10, Talera Park, Kalyani Nagar, Pune-411014





- 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. The students should register as per the process of GTTF
- d. TPO's active support and participation is required for smooth & efficient conduct of the program.
- e. 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 College for conducting the aforesaid training program.

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.



GTT Foundation
10, Talera Park, Kalyani Nagar, Pune-411014

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





- 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.

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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.

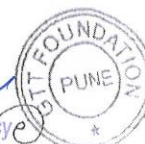
12. Confidential Information:

- 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;
- 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.



GTT Foundation
10, Talera Park, Kalyani Nagar, Pune-411044

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





- d. College agrees not to deal directly or enter into 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.
- 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:

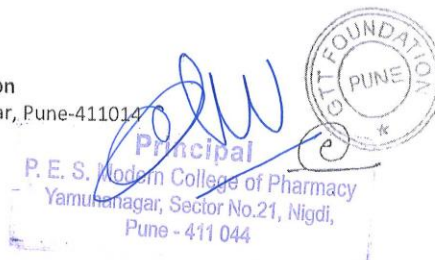
College agrees that during the term of this Agreement and for a period of two (2) years after the termination or expiry thereof, it shall not, directly or indirectly, employ, contract, solicit, hire or otherwise utilize the services of an existing employee of GTTF.

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.



GTT Foundation
10, Talera Park, Kalyani Nagar, Pune-411014





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


(Authorized Signatory)

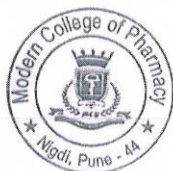
Name: Dr. Praveen D. Chaudhari

Designation: Principal

Place: Pune

Date: 03/10/2023

Stamp:



For GTT Foundation


(Authorized Signatory)

Name: Ebrahim Nimuchwala

Designation: Legal officer

Place: Pune

Date: 3rd October 2023

Stamp:



GTT Foundation


10, Talera Park, Kalyani Nagar, Pune-411014


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




Workshop

Progressive Education Society's
MODERN COLLEGE OF PHARMACY, PUNE
 (Permanently Affiliated to Savitribai Phule Pune University - AISHE CODE C- 42167)
 (Approved by Pharmacy Council of India, Directorate of Technical Education, Mumbai, MS)
 DST FIST Funded College, NAAC - A+ Grade with CGPA 3.47 and NBA Accredited


 Rank Amongst top 100 Pharmacy
 College by NIRF, New Delhi

Best College Award by Savitribai Phule
 Pune University, Pune


 Approved under Section (2 (f) & 12 (B)
 of UGC Act, 1956

Prof. Dr. P. D. Chaudhari
 Principal

Prof. Dr. G. R. Ekbote
 Chairman, Business Council, P.E. Society

Ref No. : MCOP/MOU/2023-24/339-76

Date : 31/05/2024


Summary of Activity done under MOU

Name of concerned Organization: GTT Foundation Pune.

Date of MOU: 06/09/2021 to 02/10/2028

Validity Period of MOU: 07 Years

Sr no	Academic Year	No of activity	Name of Activity	No of beneficiaries	Start Date	End Date
1	2023-2024	01	Workshop on soft skills training programme	150	15/01/2024	17/01/2024


 Dr. Pravin D. Chaudhari
 Principal and Professor


 MoU Incharge
 GTT Foundation Pune.

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



Modern College of Pharmacy's Career Path 2023-2024

Title of Activity: Three days Soft Skill and Personality Development Workshop by Global Talent Track (GTT) Foundation

Date of Activity: 15th January 2024 to 17th January 2024

Time of Activity: 10:00 am to 5:00pm

Name of Resource Person: Mr. Rushikesh kadam

Designation & Organization of resource person: Corporate trainer, Global Talent Track (GTT) Connect

Number of Participants: 150

Class of Participants: Final Year B Pharmacy, Second Year M Pharmacy and 6th Year Pharm D

Objectives of activity: The objectives of the training are

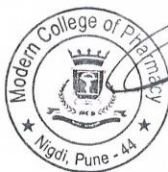
- To give student a realistic perspective of work and work expectations
- To enhance soft skills
- To help formulate problem solving skills
- To guide students in making appropriate and responsible decisions.

Online/Offline: Offline

Description of activity: The Global Talent Track (GTT) Foundation's three-day Soft Skill and Personality Development Workshop was an immersive program meant to further participants' career and personal development.

The workshop's first day was devoted for discussing effective communication techniques. Active listening, presentation skills, and verbal and nonverbal communication strategies were all covered in interactive sessions with participants. Role-playing games and group conversations were among the activities designed to increase confidence and clarity in idea communication.

Dr. K. S. Shaikh
Training and Placement Cell


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



The focus of the second day was teamwork and leadership. Participants gain practical team cooperation techniques and fundamental leadership skills through a mix of workshops and team-building activities. Participants' understanding of the dynamics of leading and working within a team was facilitated by activities like leadership simulations and cooperative problem-solving exercises, which improves their capacity to inspire and oversee a variety of groups.

The course placed a strong emphasis on career development and personal branding on the last day. Participants receive guidance on developing a strong personal brand, creating resumes, and getting ready for interviews. Participatory exercises like personal branding and simulated interviews helped participants portray themselves professionally, which improved their chances of landing a job.

All things considered, the program offered a thorough developmental experience, giving participants the essential soft skills and personality traits they need to succeed in both their personal and professional lives.

Methodology/ Concepts/ Ideas learnt by students: Students were given different activities to perform such as Group Discussion, attitude test, Mock interview, Debate, Role play etc.

Outcome of activity: The major outcome of the workshop is to develop effective communication, leadership, teamwork skills, initiative and motivation skills, problem solving ability and strong work ethics.

Dr. K. S. Shaikh
Training and Placement Cell



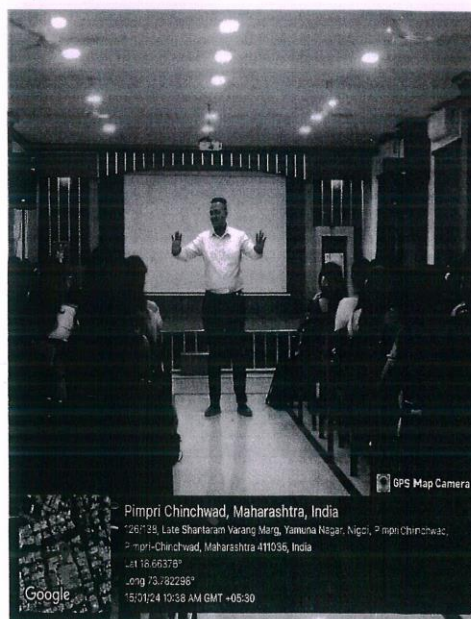
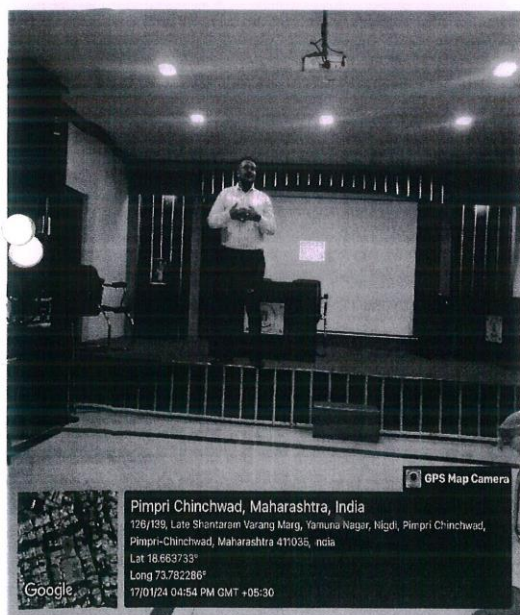
Dr. P. D. Chaudhari
Principal



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



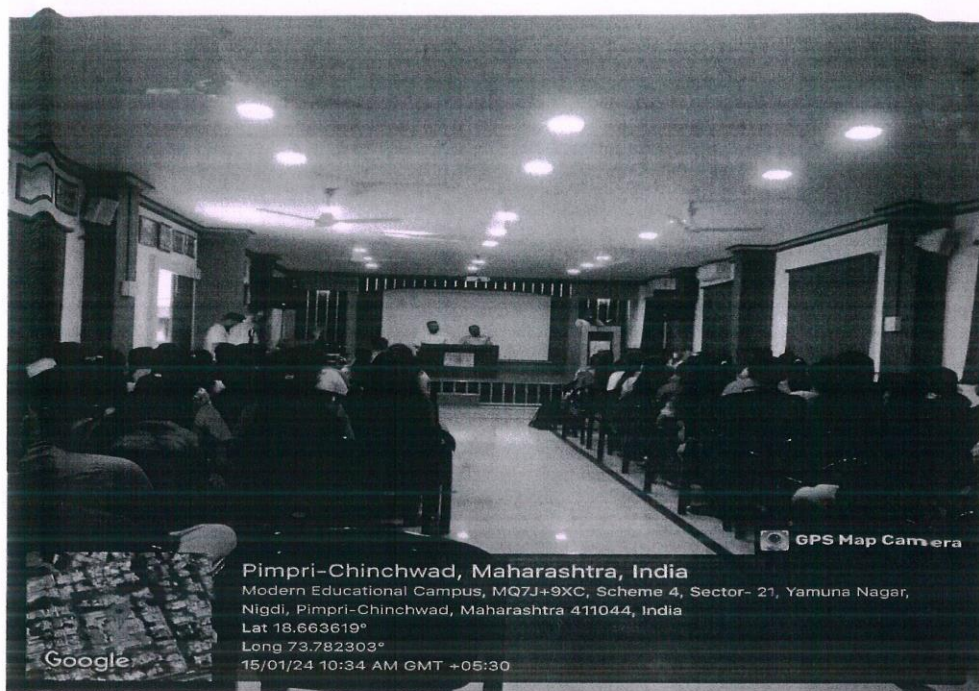
Session conducted by Mr. Rushikesh Kadam



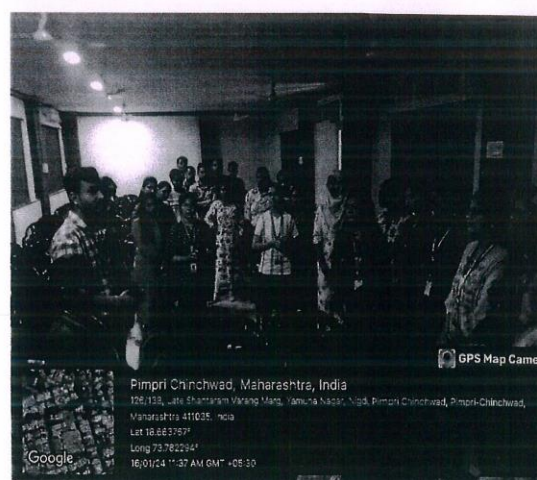
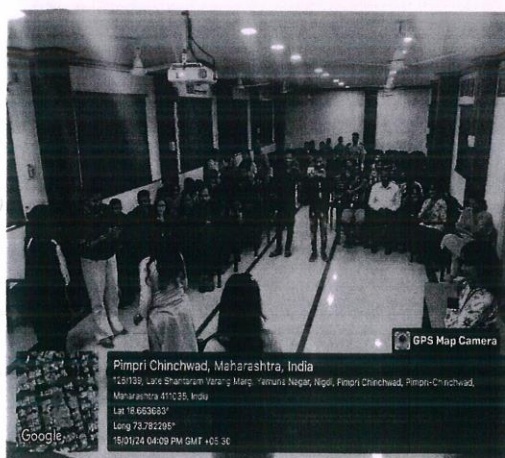
Soft Skill and Personality Development Workshop conducted by Sir



[Signature]
Principal
P. E. S. Modern College of Pharmacy
Yamunanagar, Sector No.21, Nigdi,
Pune - 441044



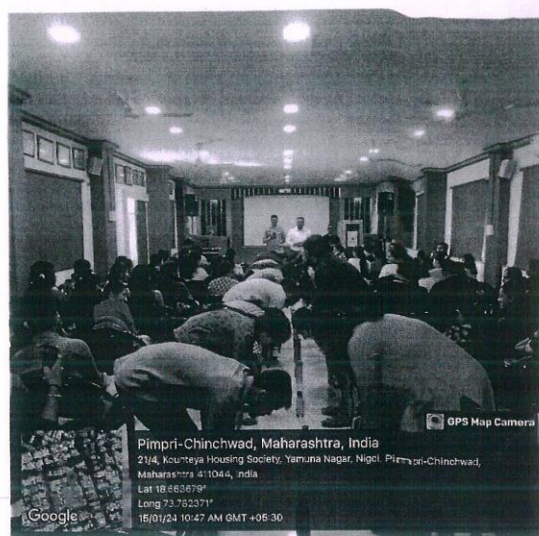
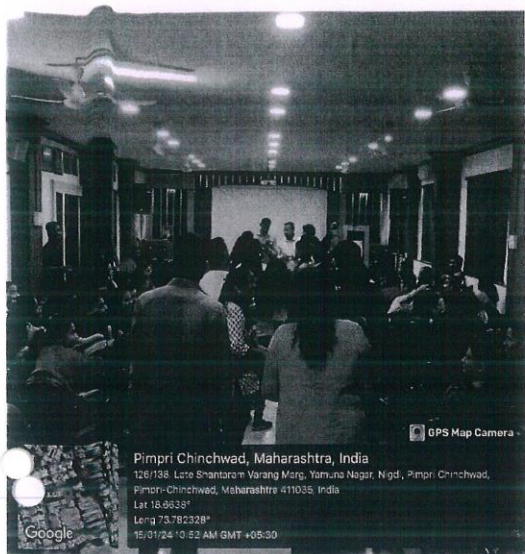
Introduction of Mr. Rushikesh Kadam Sir



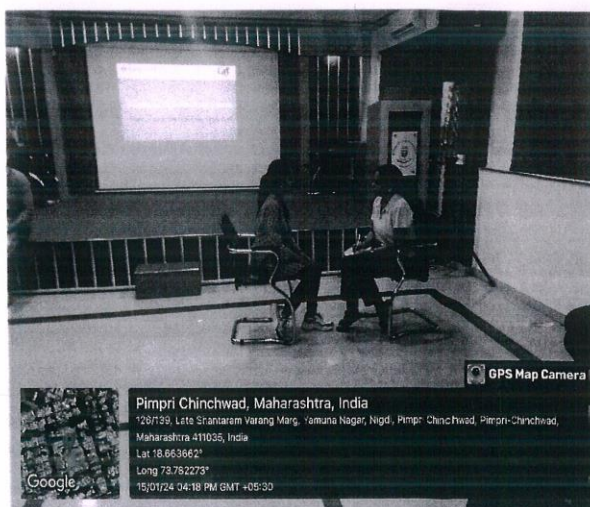
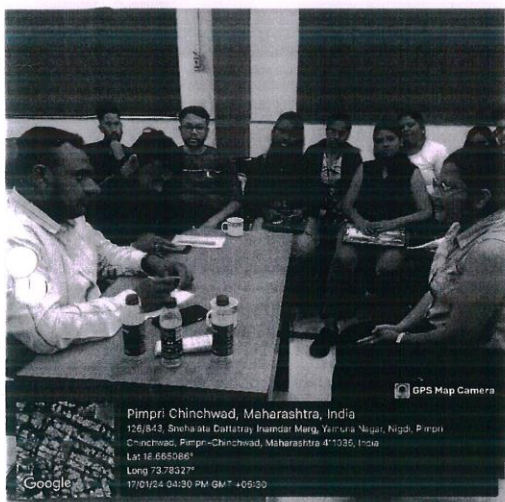
Activity conducted on 1st day for the students(Model representation and how to give introduction during Interview)



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




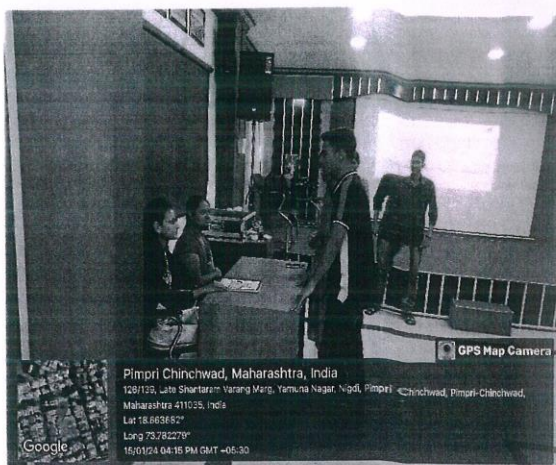
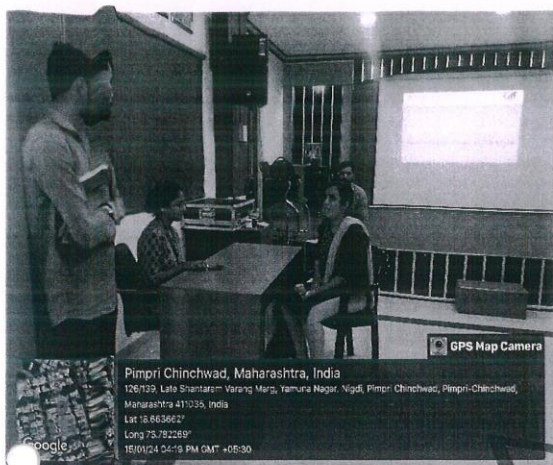
Activity conducted for the students on 2nd day of the session to see how much they are attentive



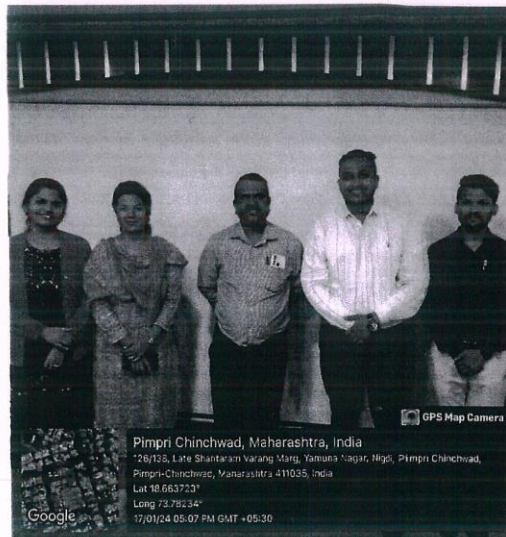
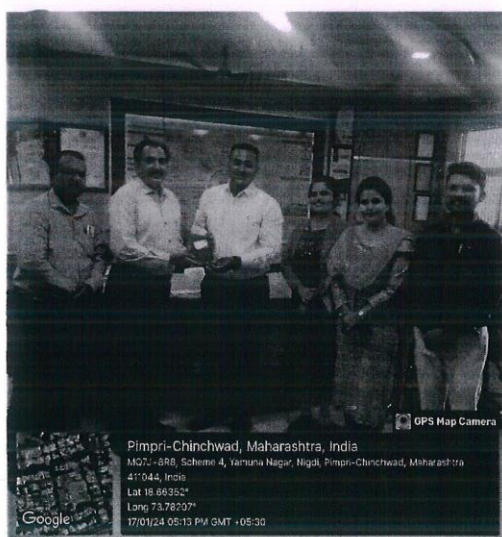
Demo Interview conducted for students




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




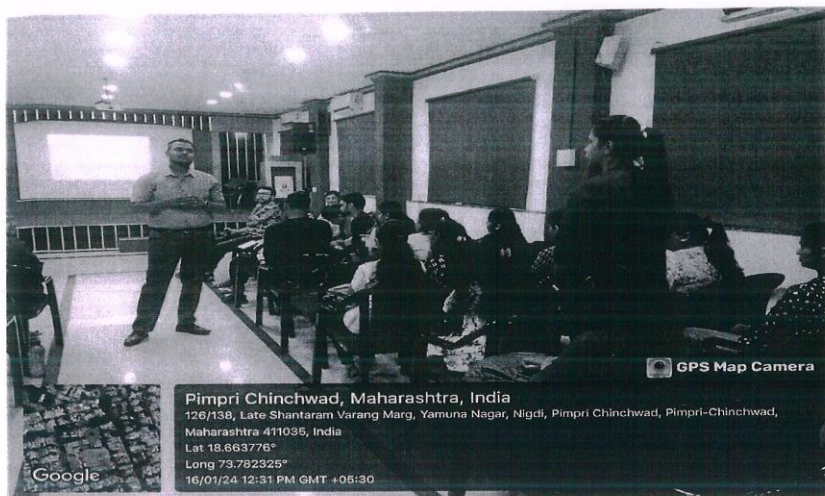
Activity conducted for students on 3rd Day of the workshop(Role play, Group discussion)



Felicitation of Mr. Rushikesh Kadam by Respected Principal Sir




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



Question and Answer at the end of the session



Group photo of Mr. Rushikesh Kadam Sir with Students after the session

Training and Placement Cell
Dr. K. S. Shaikh



Principal
Dr. P. D. Chaudhari

Dr. P. D. Chaudhari
Principal
Modern College of Pharmacy
Nigdi, Pune - 411044



**MOU with
InducarePharmaPvtLtd, Pune**



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/Mou/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

[Signature]
Principal
P. E. S. Modern College of Pharmacy
Yamunanagar, Sector No.21, 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

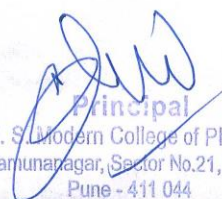
Inducare Pharma having State of art, well equipped 32000 sq. ft. manufacturing unit in industrial area of Jejuri along with high quality utilities to insure capacity building with high quality manufacturing herbal products.

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
Yamunanagar, Sector No.21, 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
Yamunanagar, Sector No.21, 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
Yamunanagar, Sector No. 21, 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 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
Progressive Education Society's
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.

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



Faculty training Program

 <p>Progressive Education Society's MODERN COLLEGE OF PHARMACY, PUNE (Permanently Affiliated to Savitribai Phule Pune University - AISHE CODE C-42167) (Approved by Pharmacy Council of India, Directorate of Technical Education, Mumbai, MS) DST FIST Funded College, NAAC - A+ Grade with CGPA 3.47 and NBA Accredited</p>			
Rank Amongst top 100 Pharmacy College by NIRF, New Delhi	Best College Award by Savitribai Phule Pune University, Pune	Approved under Section (2 (f) & 12 (B) of UGC Act, 1956	
Prof. Dr. P. D. Chaudhari Principal		Prof. Dr. G. R. Ekbote Chairman, Business Council, P.E. Society	
Ref No.: MCOP/MOU/2023-24/339-74		Date: 31/05/24	

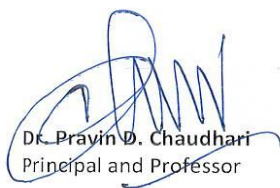
Summary of Activity done under MOU

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	No of activity	Name of Activity	Name of faculty	No of beneficiaries	Start Date	End Date
1	2023-2024	03	Faculty training Program	1. Kalyani Kakad 2. Pallavi Patil 3. Bhushan Pimple	03	23/05/2024	30/05/2024


 Dr. Pravin D. Chaudhari
 Principal and Professor




 MoU Incharge
 Inducare Pharma (P) Ltd, Pune

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



Inducare Pharma Pvt. Ltd.

Date: 12.11.2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Dr. Kalyani S. Kakad a faculty of PES'S Modern college of pharmacy, Nigdi, Pune has successfully completed 7 Days of hands-on training/ project training (23rd May 2024 to 30th May 2024) at Inducare Pvt ltd Jejuri Pune in **Quality control and production department.**

During her training with us, we found her punctual, hardworking and inquisitive.

We wish her every success in her career.

For Inducare Pharma Pvt. Ltd

Authorized signatory



Principal
P.E.S. Modern College of Pharmacy
Yashwanthnagar, Sector No.21, Nigdi,
Pune - 411044

Corporate Office: 803, Kumar Surabhi, Pune-Satara Road, Swargate, Pune - 411009 Tel.: 020 24420087
Regd. Office: Morgaon Road, Jejuri, Pune. Tel.: 02115 253905 Factory: C-34, MIDC, Jejuri, Dist. Pune. Mob.: 7758000123
Web: www.indupharma.co.in / www.sajsyurp.com E-mail: info@indupharma.co.in Facebook: fb.me/InducarePharma



Inducare Pharma Pvt. Ltd.

Date: 12.11.2024

TO WHOM SO EVER IT MAY CONCERN

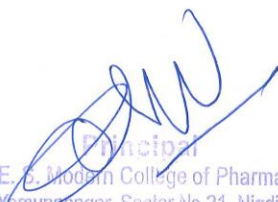
This is to certify that Dr. Pallavi M. Patil a faculty of PES'S Modern college of pharmacy, Nigdi, Pune has successfully completed 7 Days of hands-on training/ project training (23rd May 2024 to 30th May 2024) at Inducare Pvt Ltd Jejuri Pune in **Quality control and production department**. During her training with us, we found her punctual, hardworking and inquisitive.

We wish her every success in her career.

For Inducare Pvt. Ltd


Authorized signatory




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

Corporate Office: 803, Kumar Surabhi, Pune-Satara Road, Swargate, Pune - 411009 Tel.: 020 24420087
Regd. Office: Morgaon Road, Jejuri, Pune. Tel.: 02115 253905 Factory: C-34, MIDC, Jejuri, Dist. Pune. Mob.: 7758000123
Web: www.indupharma.co.in / www.sajsyurp.com E-mail: info@indupharma.co.in Facebook: fb.me/InducarePharma



Inducare Pharma Pvt. Ltd.

Date: 12.11.2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Dr. Bhushan Pimple a faculty of PES'S Modern college of pharmacy, Nigdi, Pune has successfully completed 7 Days of hands-on training/ project training (23rd May 2024 to 30th May 2024) at Inducare Pvt ltd Jejuri Pune in **Quality control and production department.**

For Inducare Pharma Pvt. Ltd

Authorized signatory



Principal
P. E. S. Modern College of Pharmacy
Yashwantrao, Sector No. 23, Nigdi,

Corporate Office: 803, Kumar Surabhi, Pune-Satara Road, Swargate, Pune - 411009 Tel: 020 24420087
Regd. Office: Morgaon Road, Jejuri, Pune. Tel.: 02115 253905 Factory: C-34, MIDC, Jejuri, Dist. Pune. Mob.: 7758000123
Web: www.indupharma.co.in / www.sajsyrup.com E-mail: info@indupharma.co.in Facebook: fb.me/InducarePharma



MOU with Patent Administrative Services, India (PASI)



PASI
Patent Administrative
Services India

An Intellect Eye of Protection

www.pasi.co.in

knowpasi@gmail.com Mobile-8483973553

Reference: MOU/2023/05-01

Date: 04/05/23

MEMORANDUM OF UNDERSTANDING

BETWEEN

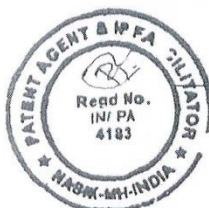
Memorandum of Understanding (MOU) is entered into on the 4th May, 2023 by effective between Progressive Education Society's Modern College of Pharmacy, Sector no-21, Yamunanagar, Nigdi, Pune 411044, Maharashtra, India (herein after referred as Disclosing Party)

And

Patent Administrative Services, India established in 2019 and having office address at Survey Number 318/02, Plot no. 08, Swami Samarth Nagar, Adgaon Shivar, Panchavati, Nashik - 42203, Maharashtra, India (herein after referred to as "PASI" and Receiving Party)

The Disclosing Party is Educational Institute/College named as above. Disclosing 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 Disclosing party is also engaged in research in Pharmaceutical Sciences.

Whereas, Receiving Party Patent Administrative Services India (PASI) is techno legal consultancy firm established in 2019, for intellectual property protection. PASI is the Professional Training Institute and Law Firm for Patent Attorneys. PASI is the professional



Address: Survey No. 318/02, Plot No. 08, Swami Samarth Nagar, Behind Jatra Hotel, Adgaon Shivar, Panchavati, Nashik-422003

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



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Patent Administrative
Services India

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www.pasi.co.in

knowpasi@gmail.com Mobile-8483973553

Reference:

Date:

etc). Main objective of the institute is to give in depth knowledge through online tools of distance learning (Seminar, Webinar, and Online Coaching) and offline classroom training.

Now this MOU aims to capture the understanding reached regarding each other's roles and responsibilities.

UNDERSTANDING

Both the parties under this MOU have agreed to collaborate with each other as below by providing IP filing, drafting and prosecution, Education and Training.

i) WHEREAS Disclosing Party desires to appoint Receiving Party for providing Intellectual Property Services (Like advise on, file and prosecute on behalf of the Receiving Party, patent, copyright and trademark applications) to the Disclosing Party.

ii) WHEREAS Receiving Party provides services like patent search, patent analysis, patent landscapes, patentability searches, patent drafting, patent filing, patent watch, conduct searches for freedom to operate in particular line of business/product, patent invalidity searches with specialized domain knowledge in patent searching and analytics, trademark, design, copyright and Geographical Indications (GI) services, R&D and business consulting services, engineering services hereinafter referred to as "Intellectual Property Services". The Receiving Party has knowledge and expertise in the Intellectual Property Services and is currently engaged in providing such services to several organizations, individuals, business entities across the world.

SCOPE OF THE MOU

The vision of this collaboration is to address the research and patent gap among research scholars and student community and also to help them gain a head start in their research through Intellectual Property Protection through IP filings to strengthen the IP ecosystem of India.

JOINT COMMITMENT BY BOTH PARTIES

Strengthen the IP filings through Knowledge Sharing and research data particularly of techno legal. To conduct Expert lectures and training sessions for disclosing party about awareness with respect to advance technology and IP filing and analyzing the data for IP filing.

PRECLUDED FROM

The parties agree that they are not bound exclusively by this memorandum and will be at liberty to enter into any other agreement or arrangement with any third party without reference to the other party in this MOU on the similar programs.

CONFIDENTIALITY

During the term of this MOU each party made is closed to the other its confidential information. Confidential information shall mean all information mark "Confidential" or under any similar legend indicating the confidentiality of the information or information which by his nature is confidential, except information as is i) previously known to the receiving party at the time of this closer, or ii) independently developed by or for the receiving party and not derived from the Confidential Information supplied by the disclosing party or the participation of individuals who have had access to the Confidential Information of the other, iii) disclosed to the receiving party by third party without an obligation of confidentiality or iv) in or subsequently comes into the



Address: Survey No. 12/02, Plot No. 08, Swami Samarth Nagar, Behind Jatra Hotel, Adgaon
Shiwar, Panchvati, Nashik-422003

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



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Patent Administrative
Services India

An Intellect Eye of Protection

www.pasi.co.in

knowpasi@gmail.com Mobile-8483973553

Reference:

Date:

public domain (other than as the result of a breach of this MOU; v) required to be disclosed by the receiving party by law regulation court order or other legal process.

The receiving party shall hold such Confidential Information in strict confidence and manner perpetually for the disclosing party and short not use it except in furtherance of the relationship set forth in this MOU, or except as it may be authorized by the disclosing party in writing. The receiving party further is responsible for the compliance of the foregoing by its employees or agents. Upon the disclosing party's written request at any time or following the completion or termination of this MOU, the receiving party shall promptly return to the disclosing party or destroy, all Confidential Information of the disclosing party provided under or in connection with this agreement including all copies portions and summer is thereof.

COST

This MOU does constitute financial obligation as mutually decided between the parties for various IP filings includes Patent Search, Drafting, Filing and Prosecution; Trademark, Design and Copyrights Filing with Prosecution.

TERM

This MOU shall be valid from the effective date and shall remain in force for 10 years from the Effective date, unless terminated earlier by either party as provided herein below. Either party may terminate this MOU by giving 3 months' notice to the other party. On termination, each party shall return the other party, all the Confidential and Proprietary Information, Documents and Reference Material of the other party in its possession. All such obligations and terms of this MOU that are required to survive the termination of this MOU shall survive such termination.

PERIODIC REVIEW

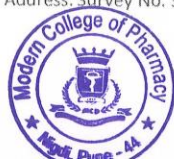
There shall be coordinating committee to execute MOU among both parties

Structure of Committee

- i) Principal / Director of college or organization
- ii) Director of PASI
- iii) IP Officer of Institute
- iv) Office superintendent
- v) Co-coordinator of PASI

Above coordination committee every year will review and finalize the following things

- i) Reviews of IP filings through Patents, Designs, Trademarks and Copyrights.
- ii) Status of IP Applications.
- iii) Review of awareness program and training to research scholars and students.
- iv) Review the commercialization or monetization's of IP's of Institute.
- v) Fixation of IP filing charges or fee structure of awareness or IP education program or course.
- vi) Any other matter regarding implementation of smooth running of activities of this MOU considering both sides of parties to resolve the same.



Address: Survey No. 318/02, Plot No. 08, Swami Samarth Nagar, Behind Jatra Hotel, Adgaon,
Shiwar, Panchvati, Nashik-422003

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



PASI

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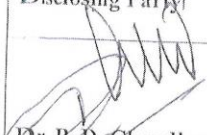

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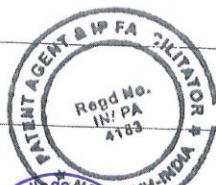
In addition to the coordination committee the parties agree that the persons nominated here in below as the point of contact for each party shall meet at least once in a year or in between if required. Both parties will provide a yearly report and suggest amendments to each other on the program made in this regard through e-mail to accomplish the objective of this MOU as per the mutually agreed time schedule. Neither this MOU, nor any activities described herein, shall be construed as creating a partnership, joint venture, franchise, agency, or other search relationship. Neither party is authorized, in any manner, neither to make any commitment on behalf of nor to bind the other party.

LIMITATION OF LIABILITY : Neither party shall be liable for any indirect, incidental, special or consequential damages, or damages for loss of profits, revenue, data or use incurred by either party or any third party in connection with this MOU or the subject matter of this MOU, whether in an action in contract or tort or any other legal theory, even if the party has been advised of this possibility of such damages.


GOVERNING LAW / ARBITRATION : The laws of India govern this MOU. Any disputes between the parties shall be resolved by mutual discussions amongst parties. If any dispute arises related to activities between the both parties, then it should be first placed before coordination committee to resolve it. Thereafter, even through if any issue remains, the final authority to take final decisions will be Principal / Director of both parties.

NOTICES: All notices, requests, demands or other communications under this MOU or in connection herewith shall be given to or made upon the respective parties shall in writing by letter or email to their addresses mentioned in this MOU.

Disclosing Party	Receiving Party
 Dr. P. D. Chaudhari Principal Progressive Education Society's Modern College of Pharmacy, Sector no-21, Yamunanagar, Nigdi, Pune 411044.	 Dr. R. Y. Ghogade Director Patent Administrative Services, Maharashtra, India
Contact: 9850179873	Contact: 7583097423
Date: 04/05/2023	Date: 04/05/2023





Address: Survey No. 318/12, Plot No. 08, Swami Samarth Nagar, Behind Jatra Hotel, Angaon
Shiwar, Panchvati, Nashik-422003


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




IPR activity 2

Progressive Education Society's
MODERN COLLEGE OF PHARMACY, PUNE
 (Permanently Affiliated to Savitribai Phule Pune University - AISHE CODE C- 42167)
 (Approved by Pharmacy Council of India, Directorate of Technical Education, Mumbai, MS)
 DST FIST Funded College, NAAC - A+ Grade with CGPA 3.47 and NBA Accredited


 Rank  amongst top 100 Pharmacy
 College by NIRF, New Delhi

Best College Award by Savitribai Phule
 Pune University, Pune


 Approved under Section (2 (f) & 12 (B)
 of UGC Act, 1956

Prof. Dr. P. D. Chaudhari
 Principal

Prof. Dr. G. R. Ekbote
 Chairman, Business Council, P.E. Society

Ref No. : MCOP/MOU/2023-24/339-7 I Date : 31/05/2024

Summary of Activity done under MOU

Name of concerned Organization: Patent Administrative Services, India

Date of MOU: 04/05/2023 to 03/05/2033

Validity Period of MOU: 10 Years

Name of Activity	Year: 2023-24
Research patents filed	00
Research patents published	08
Research patents granted	00
Design patents filed	02
Design patents granted	02
Copyrights filed	00
Copyrights registered	02
Total	14


 Dr. Pravin D. Chaudhari
 Principal and Professor





 MoU Incharge
 Patent Administrative Services, India

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Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044. Maharashtra
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Date: 06/09/2024

IP Filing Details

Sr. No.	Title of Invention /work	Name of Inventor	Type of Invention	Application Number	Date of Filing	Status
01	Rat Avoidance Chamber	Dr. Padmaja Kore Dr. Ujwala Desai Dr. Pravin Chaudhari	Design	384521-001	21/04/23	Granted
02	Ocular Apparatus	Dr. Ujwala Desai Dr. Padmaja Kore Dr. Pravin Chaudhari	Design	391775-001	03/08/23	Granted
04	Herbal Nanoparticle Composed Anthelmintic Tablet	Dr. Anuradha More Dr. Pravin Chaudhari	Patent	202321076473	09/11/23	Published
03	An Ocular Drug delivery Diffusion Apparatus	Dr. Ujwala Desai Dr. Padmaja Kore Dr. Pravin Chaudhari	Patent	202321076810	10/11/23	Published
05	An Intranasal Dual Drug Loaded Micelles for Epilepsy	Dr. Nikita Gaikwad Dr. Pravin Chaudhari	Patent	202321081948	01/12/23	Published
06	Filtration Unit	Dr. Nikita Gaikwad	Design	417942-001	25/05/24	Examination
07	Culture Media Machine (Set)	Dr. Nikita Gaikwad	Design	417942-001	25/05/24	Examination
08	A Catechin Hydrate and Ferulic Acid Composed cream formulation	Dr. Pallavi Patil	Patent	202421032671	25/04/24	Published
09	A Chlorogenic Acid, Ferulic Acid and Berberine composed cream formulation	Dr. Pallavi Patil	Patent	202421032670	25/04/24	Published
10	A Polyherbal Composition	Dr. Kalyani Kakad	Patent	202421032669	25/04/24	Published
11	A Propolis Extract Loaded Antiacne Niosomes Gel	Dr. Anuradha More	Patent	202421022665	23/03/24	Published
12	A Herbo-Mineral Tannin Composition	Dr. Kalyani Kakad	Patent	202421066497	08/03/24	Published
13	Neocheck- Intravenous Drug	Dr. Sunita Pawar	Copyright	32772/2023	10/12/23	Registered

Stamp: Modern College of Pharmacy, Nigdi, Pune - 411044

Signature: P. E. S. Modern College of Pharmacy, Nigdi, Pune - 411044




	Incompatibility in Neonates			CO/SW		
14	NEOCARE-The Screening Tool for Minimizing Prescription Error in Neonates	Dr. Mayuri Khaparde	Copyright	32789/2023-CO/SW	11/12/23	Registered

Thank You



Patent Administrative Services, India (PASI)
(Authorized Signatory)




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

For details refer 3.2.1

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

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MOU with Tata Consultancy Services Ltd (TCS), Mumbai



महाराष्ट्र MAHARASHTRA

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१) कालाशायनी ज्ञानी मुद्राक छद्मि कला शक्ति तारा कालाशायनी

१. विवरण
 २. प्रकार
 ३. प्रकार
 ४. प्रकार
 ५. प्रकार
 ६. प्रकार
 ७. प्रकार
 ८. प्रकार
 ९. प्रकार
 १०. प्रकार

MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding ("MOU") is entered into on the 11th day of October 2023 by and between **Tata Consultancy Services Ltd.**, a company incorporated under the Companies Act, 1956 and having its corporate office at TCS House, Raveline Street, Fort, Mumbai 400001, India (hereinafter referred to as "TCS"), and Progressive Education Society's Modern College of Pharmacy Nigdi Pune, a Pharmacy College and having its principal office at sector no-21, Yamuna Nagar Nigdi Pune 411044 (hereinafter referred to as "**Institute**").

TCS and Institute are both hereinafter referred to as "Party" individually or "Parties" collectively as the context may require.

WHEREAS Institute is engaged in providing educational degrees at graduate, Postgraduate, PhD level in various streams and is affiliated to Savitribai Phule Pune University Pune University

WHEREAS TCS is *inter alia* engaged in the business of provision of various information technology services, business solutions, consultancy and outsourcing services worldwide; and

WHEREAS, the Parties recognize each other competencies and hereto agree that a strategic relationship between them will benefit each other.

NOW THIS MOU aims to capture the understanding reached between TCS and Institute regarding each other's roles and responsibilities:



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Pune - 411 044

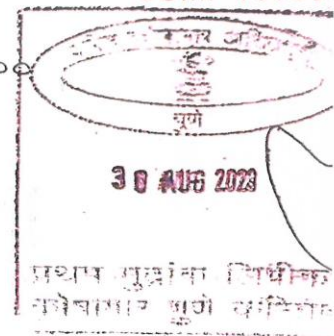


महाराष्ट्र MAHARASHTRA

2023

66AA 16605

क्र. 4988 दि. 21/10/23 400 X 9 + 100 X 9 = 800
यसचा प्रकार MOU
यात दोघडी करणार असलेला का. 7 वेग/वर्ग.
मिळविलेले पूर्ण
कुठला मिळत होतयाने या: टी सी एस
मला हिजवडी पुणे
मुद्रण पत्रकाराचे नांव मांडन कॉलेज ऑफ फार्मसी
हस्ताक्षरीय नांव अभिकार पवार



दि. 30.08.2023
सं. 2009942
विवरण: अग्रणी, पुणे-२

1) UNDERSTANDING

This MOU is intended to cover a specific collaborative effort between TCS & Institute under the academic interface program driven by TCS under which TCS will work towards developing and designing and/or providing industry specific application oriented courses ("TCS Designed Course(s)") which can be offered by the Institute as elective courses for specific degree specializations ("Option 1"); as may be agreed to by the Parties and details outlined in Annexure A

The agreement between TCS and Institute would be effective from 11th day of October 2023 and shall be valid up to 31st day of March 2025 covering the batches joined in the academic years AY 2020 (ending AY 2024) and 2021 (ending 2025) for B Pharmacy and covering the batches joined in the academic years AY 2022 (ending AY 2024) and AY 2023 (ending 2025) for M Pharmacy. Any admissions to batch joining in AY 2022 onwards shall be with the prior written consent of TCS and the Parties shall enter a written amendment to the MOU extending the term of this MOU accordingly.



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(Signature)

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444 044



II) ROLES AND RESPONSIBILITIES:

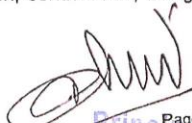
A. Role of TCS:

- TCS agrees to design and develop TCS Designed Course(s) identified in Annexure A. The final choice of TCS Designed Course(s) to be offered by the Institute to its students will be jointly agreed between TCS and the Institute.
- TCS role will be restricted only to designing and developing the course contents and curriculum of the TCS Designed Course(s) and/or assisting in designing the Curriculum (if agreed and outlined in Annexure A). After review and sign off by the Institute, the TCS Designed Course(s) / Curriculum (where agreed to in Annexure A) will be taught and administered by faculty from the Institute. TCS will not be involved in the administration and the evaluation of the TCS Designed Course(s) / Curriculum. The administration and evaluation of the TCS Designed Course(s) and other core topics included in the Curriculum (where agreed to be offered in Annexure A) along with conferring of the degree to successful students enrolled in the Curriculum will be done by the Institute. On case-to-case basis, TCS may also consider the deployment of its experts as trainers for delivering a part of the offered TCS Designed Course(s) / Curriculum.
- TCS will consider incorporating the suggestions from the Institute about having as much practical understanding during the design of the course contents and curriculum of the TCS Designed Course(s) by incorporating appropriate case studies, simulations, exercises that can help students visualize and understand the application of concepts in real time business solutions.
- TCS may provide only suggestions for the evaluation of student performance through various forms of assessments. However, the final decision on the process of evaluation as well as the actual assessment would be at the sole discretion of Institute and will not be part of TCS responsibility.
- TCS will conduct a Train the Trainer Program ("TTT Program") for appropriate duration where specialists from TCS will transition the knowledge and approach to teach the TCS Designed Course(s) to the nominated faculty of Institute. On successful completion of this Program, all the faculty members will be deemed as TCS certified faculty for delivery of the course. The TTT Program may be scheduled and repeated as per requirement with mutual agreement between TCS and Institute.
- The entire effort from TCS end is voluntary and objective is to work along our stakeholder community (in this case educational institutions / Universities) to build capability and benefit for the students as well as faculty by way of offering courses in areas of knowledge closer to industry practice.
- There would be no linkage with campus placements as part of this program as these are two distinct activities. The placement activities are separate and the participation of Institute for the TCS Designed Course(s) has no bearing on placement activities that TCS conducts at colleges and universities each year.
- TCS at this point will be providing this course design, content and training sessions as a voluntary effort keeping in mind the Tata Group Philosophy of working towards benefiting the societies and stakeholders with whom we work.
- Outstanding students' contributions in all possibilities will be show-cased by TCS at industry level forums along with due acknowledgement to the students concerned.
- At the end of the course, TCS may, at its option, reward / recognize individual students for exemplary achievements based on participation, discussion, contribution, assignment submission etc. during the course work.



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B. Role of Institute:

- Institute shall ensure that it holds all valid permissions, authorizations, approvals and consents, licenses and registrations, which may be required under the applicable laws, policies and procedures prevalent from time to time, for launch, administration and instruction of the TCS Designed Course(s) and Curriculum (if agreed to in Annexure A) and the same shall be kept valid and subsisting throughout the period of this MOU or till the completion of the TCS Designed Course(s) / Curriculum, whichever is later.
- Institute will undertake the role of selecting the core topics (that will fit into the Curriculum) and faculty members who will undertake the ownership for teaching those selected topics.
- Institute will ensure to provide equal status to the TCS Designed Course(s) / Curriculum (at par with all other courses) while offering it to students applying to the Institute. This will be done by placing the option of this course curriculum in all communication mediums (College Website, Student Application forms, Brochures etc.) to ensure maximum students undertake the TCS Designed Course(s) / Curriculum.
- Institute will set highest standards of selection for the students and ensure that the students who undertake the TCS Designed Course(s) / Curriculum would put in full effort and contribution to make learning outcomes successful. Focus would be on ensuring students who have a great propensity to participate actively and contribute to learning in a group as well as individual mode.
- Institute shall nominate a designated faculty member who will be the single point of contact for managing the administration and completion of the TCS Designed Course(s) / Curriculum. The faculty will be responsible from Institute side to help TCS team in all administrative and management activities that will be helpful in smooth launch and completion of the course.
- Institute should ensure timely nomination of faculty for attending the TTT Program and delivering the TCS Designed Course(s) in a timely and satisfactory manner and is based on the broad guideline as below. Final choice on the selection of faculty will lie with Institute.
 - a) Post-graduation with solid academic achievements relevant to the TCS Designed Course(s).
 - b) 5+ years' experience in teaching the specific courses which they would be teaching (flexibility allowed)
 - c) Familiar with recent developments in related field
 - d) Effective communication and articulation of scenarios
 - e) Ability to drive interactive sessions
 - f) Willingness to learn and lead
- Institute will own the responsibility of conducting the exams/assessments of student performance for the TCS Designed Course(s) and across all the subjects of the Curriculum. As an input it may consider the assessment criteria as suggested by TCS for assessment to be done through written exams, internal assessments, market visits and take-home assignments by the nominated faculty, where each parameter may have an assigned weightage so that students are assessed effectively for their all-round performance.
- Institute shall ensure that all the students selected for the TCS Designed Course(s) / Curriculum will sign individual confidentiality undertaking substantially in the format as set forth in Annexure – B hereunder, to ensure that the course material is not used or disposed off inappropriately and take utmost care not to copy or share the course hand outs and materials that are TCS provided copyrighted material with anyone else. The course material is solely for the students' learning purposes and only students who undertake the TCS Designed Course(s) / Curriculum shall possess the course material at



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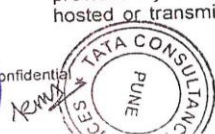


any time. The course material has to be destroyed / disposed only by shredding, in order to avoid any unauthorized use.

- Institute shall ensure that the faculty from Institute who would be trained through the TTT Program will sign individual confidentiality undertaking, substantially in the format as set forth in Annexure – C hereunder, to ensure that the course material is used appropriately only for the purpose of instruction of the TCS Designed Course(s) / Curriculum. The faculty should not use this course material for other courses or for any other purpose whatsoever and also should not dispose it in a manner that can lead the course material falling in hands of those who should not be recipients of the course work.
- The faculty trained by TCS would teach the TCS Designed Course(s), only as long as this MOU is valid. Once the validity of this MOU is over, they would need to be recertified with a TTT Program post renewal of the MOU.
- Institute shall ensure availability of all requisite facilities, infrastructure, cooperation, etc. required to seamlessly deliver the TCS Designed Course(s) / Curriculum to the applicable students. The lectures are to be scheduled during the normal working days of the Institute or as decided by the Institute. In cases where TCS' assistance is availed by Institute for delivery of the TCS Designed Course(s), TCS and Institute will mutually agree to a schedule for the same. Institute recognizes that timely and continued provision of the facilities by Institute is a condition precedent to the completion of the TCS Designed Course(s) / Curriculum in time. Any delay or failure in the provision of agreed facilities will hamper the timely completion of the course, and TCS shall not be held liable for the same.
- Institute shall permit the applicable TCS faculty/personnel engaged pursuant to this MOU, reasonable access to the premises of Institute, for the purpose of delivery of the TTT Program or to fulfill its role under this MOU or assist the Institute in any other manner in relation to this MOU.
- At the end of the TCS Designed Course(s) / Curriculum, any formalities with respect to awarding certificate of course completion to the students will be done by Institute in accordance with the rules/ procedures followed by Institute.
- At the end of the course, the Institute shall allow TCS to make pre-placement offers to the students who are part of the course based on a selection criterion defined by TCS. Institute shall also provide first slot to TCS during campus recruitment/ placement and Institute will facilitate the process for students to accept an offer from TCS.

III) OTHER TERMS & CONDITIONS

- TCS and the Institute will jointly evaluate and agree on applicable fees or service charges (if any), to cover the costs of designing, developing, training, branding, delivering and sustaining the TCS Designed Course(s) / Curriculum that may be offered in collaboration with TCS and any costs associated therewith such as travelling, accommodation, etc.
- Upon mutual agreement, TCS and Institute may at any time enter into a specific definitive agreement(s) (hereinafter referred as "Definitive Agreement(s)") setting out there in the mutually agreed detailed terms and conditions applicable to the various courses to be provided by TCS under such Definitive Agreement(s).
- For the TCS Designed Course(s) which are agreed to be implemented, TCS will provide one master copy of course material in hard copy form to the Institute, which will be received by the faculty duly designated by Institute in writing to TCS. The said course material may be reproduced in hard copy form only, solely for the purpose of being issued by the duly designated faculty to the students who enroll for the TCS Designed Course(s) / Curriculum for the duration of the course. Except as permitted herein, the course material provided by TCS shall not be reproduced, copied, translated, adapted, broadcasted, hosted or transmitted (including electronically) in any form. The supporting material, if



[Signature]
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any, for faculty members will be separately provided to the faculty members and shall be used by the faculty members only for the purposes of the instruction of the TCS Designed Course(s) at the Institute. Institute shall ensure that the original master copy of course material and supporting material for faculty members provided by TCS and copies of the same including portions thereof (i) is treated strictly as confidential documents; (ii) shall only be in the possession of the designated faculty of Institute; and (iii) shall not be displayed or circulated in libraries or forums where any person not enrolled under the TCS Designed Course(s) / Curriculum may access the same.

- For the entire process involved for offering the TCS Designed Course(s) / Curriculum, Institute will seek prior written permission from TCS before publishing any related information regarding this TCS Designed Course(s) / Curriculum offering initiative in collaboration with TCS, in the press, media, social network, blogs, internet and in any other allied public channels.
- Unless otherwise agreed by the Parties separately in writing, each Party will be responsible for its own individual costs in conducting its duties and obligations under this MOU.

IV) INTELLECTUAL PROPERTY RIGHTS

- Institute agrees and acknowledges that any and all intellectual property rights in or to course contents and curriculum of the TCS Designed Course(s) and TTT Program and any and all modifications, enhancements, alterations, additions, adaptations, translations to the same, or derivative works thereof, or feedback received with respect to them, shall be done only by or with prior written permission of TCS and vest with TCS and/or its licensors. For the term of this MOU, TCS grants to the Institute a non-exclusive, non-transferable, non-sub-licensable, limited right and license to use and reproduce the course material in hard copy form only for the purposes of, and as permitted under, this MOU. All rights not expressly granted herein shall remain with TCS.
- Institute agrees to retain all of TCS' and/or its licensors' logo, trademark, copyright notices and other proprietary markings or notice on the course material. Institute shall not, permit any persons to, remove, alter, obscure or otherwise render illegible any of TCS' logo, trademark, copyright notice or other proprietary or confidentiality markings that may be placed on the course material or part thereof provided to Institute hereunder without prior written approval of TCS. The Institute shall include on all copies of all or part of the course material a reproduction of TCS' and/or its licensors' logo, trademark, copyright notices and other proprietary markings or notices as included in the course material provided by TCS.
- TCS shall also continue to own all and any intellectual property developed prior to, or independently of this MOU.
- By entering into this MOU, Institute covenants and undertakes:
 - (a) To respect TCS' intellectual property;
 - (b) Not to use TCS' intellectual property without the prior express written consent of TCS;
 - (c) Ensure the confidentiality of such intellectual property of TCS within enrolled students and nominated faculty;
 - (d) Not to use or permit use TCS' intellectual property other than for the purpose and duration of this MOU.
 - (e) Promptly report any misuse of TCS' intellectual property which comes to its notice and assist and support TCS in remedying and/or protecting any misuse/infringement of TCS' intellectual property subject of this MOU.
- Institute agrees that it shall not gain by virtue of this MOU any rights of ownership or any other interest, right, or title in or to any copyrights, patents, trade secrets, trademarks, or



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any other intellectual property or proprietary rights owned by TCS. Except as otherwise explicitly agreed between the Parties, any and all works developed in the course of performing obligations pursuant to this MOU, including all intellectual property rights in or related thereto, and all new inventions, innovations, works or ideas developed by TCS in the course of performance of its activities under this MOU will belong to TCS.

- If the Parties undertake any joint development in the course of providing services under this MOU, any such joint development will be governed by a separate agreement to be negotiated in good faith by the Parties prior to the commencement of any joint development efforts.
- Neither Party shall use any name, trademark, service mark or symbol of the other Party in any publicity release or advertising material or for any other purpose whatsoever without securing the prior written consent of that other Party. The Parties may, however, mention the non-stylized name of the other Party and areas of collaboration in their official websites, presentations and analyst reports and include the existence of this Memorandum in its regular list of academic/industry collaborations. Institute agrees that any and all use of TCS name and trademarks shall be in accordance with the provisions of Annexure – D.

V) CONFIDENTIALITY

- During the term of this MOU, TCS may disclose to the Institute its Confidential Information. Confidential Information shall mean all information marked "Confidential" or under any similar legend indicating the confidentiality of the information or information which by its nature is confidential or acknowledged and agreed herein as confidential, except such information as is (a) previously known to Institute at the time of disclosure and not subject to confidentiality under any other agreement between the Parties, or (b) independently developed by Institute and not derived from the Confidential Information supplied by TCS or the participation of individuals who have had access to Confidential Information of TCS, (c) disclosed to Institute by a third party who lawfully acquired such information without restriction, and is not subject to confidentiality obligations, or (d) in or subsequently comes into the public domain (other than as a result of a breach of this MOU), or (e) required to be disclosed by Institute by law, regulation, court order or other legal process. Institute acknowledges and agrees that course contents and curriculum of the TCS Designed Course(s) and TTT Program is Confidential Information of TCS irrespective of whether it is labelled as confidential or not.
- Institute shall hold such Confidential Information in strict confidence for TCS and shall not use it for any purpose except in furtherance of the relationship set forth in this MOU, or except as it may be authorized by TCS in writing. Institute shall further be responsible for the compliance of the foregoing by its students, employees, faculty or agents who have access to Confidential Information in relation to the purpose of this MOU.
- Institute acknowledges and agrees that a breach of any of its obligations contained herein will result in irreparable injury to TCS for which there will be no adequate remedy at law, and TCS shall be entitled to apply for equitable relief, including injunction and specific performance, in the event of any breach or threatened breach or intended breach of its obligations herein by the Institute. Such remedies, however, shall not be deemed to be the exclusive remedies for any breach of the obligations but shall be in addition to all other remedies available at law or in equity.
- All Confidential Information is provided as is, without any warranties express, implied or otherwise, regarding its accuracy, completeness or performance.

VI) TERMINATION

- Either Party may terminate this MOU by giving ninety (90) days advance written notice to the other Party. On termination, each Party shall return to the other party all such confidential and proprietary information, documents and reference material and any

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copies thereof of the other Party in its possession. If the MOU expires or notice of termination is issued during the Academic Year when the TCS Designed Course(s) / Curriculum is/are in progress, the termination shall take effect post completion of the batch(es) that has/have already opted for the TCS Designed Course(s) / Curriculum. New students/batches will not be offered the TCS Designed Course(s) / Curriculum once the termination notice has been issued. The right of each Party to terminate this MOU with immediate effect for material breach of the terms of this MOU (that remains uncured after thirty (30) days of written notice thereof or that are not susceptible to cure) remains unaffected.

- All such obligations and terms of this MOU that are required to survive the expiration or termination of this MOU, including but not limited to, Intellectual property rights, confidentiality, limitation of liability, shall survive such termination.
- This MOU can be extended or terminated by mutual consent of the Parties in writing. Notice period not to renew.

VII) PERIODIC REVIEW

- The Parties agree that the persons nominated herein below as the point of contact for each Party (or their respective nominees) shall meet at a frequency mutually decided by TCS and Institute, either personally or through a teleconference to review the progress and plan the future course of action, to accomplish the objectives of this MOU as per the mutually agreed time schedule.

Point of contact of Institute: Dr. Praveen D. Chaudhari
Principal
PES Society's Modern College of Pharmacy
Sector No.21, Yamunanagar Nigdi, Pune-411044
Mcopnigdi44@gmail.com

Point of contact of TCS: Stephen Moses Dinakaran
Regional Head- Academic Interface Program
Tata Consultancy Services Ltd.
21, Industrial Estate, Ambattur,
Chennai - 600 100
Mailto: stephenmoses.dinakaran@tcs.com

VIII) RELATIONSHIP OF THE PARTIES

- For the purposes of this MOU, both the Parties are independent contractors. Neither this MOU, nor any activities described herein, shall be construed as creating a partnership, joint venture, franchise, agency or other such relationship. Neither party is authorized, in any manner, to make any commitment on behalf of or to bind the other Party.
- Institute will be completely responsible for ensuring compliance towards all statutory provisions applicable to and governing the employment of its employees and representatives, deployed and would ensure compliance to provisions of statutes, as amended and applicable from time to time for such employees and representatives. Under no circumstances shall employees, agents and representatives of Institute, represent as or be construed as employees/agents of TCS.

IX) LIMITATION OF LIABILITY

- Institute agrees that any information or material provided / disclosed by TCS is on "as is" basis without any warranty or representation of any nature whatsoever, as to any matter, including but not limited to, warranty of fitness for a particular purpose or merchantability. TCS shall not be liable for any direct, indirect, incidental, special or consequential damages, or damages for loss of profits, revenue, data or use, incurred by Institute or any

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third party arising out of or in connection with this MOU or the subject matter of this MOU, whether in an action in contract or tort or any other legal theory.

X) GOVERNING LAW/ARBITRATION/VENUE

- The laws of India shall govern this MOU. Any disputes between the parties shall be resolved by mutual discussions. Disputes, if any, remaining unresolved for a period of sixty (60) days after reference to the other Party in writing, shall be subject to resolution by arbitration in accordance with the Arbitration and Conciliation Act, 1996 and under the Rules made thereunder (or any statutory modification / re-enactment thereof) by one or more arbitrators appointed in accordance with the said Rules. The language of the arbitration shall be English and the decision of the arbitrators shall be final and binding on the Parties. The venue of Arbitration shall be Mumbai. Both Parties irrevocably submit to the exclusive jurisdiction of the Courts in Mumbai, for any action or proceeding regarding this MOU. Nothing herein shall prohibit either Party from seeking a temporary restraining order, preliminary injunction or other provisional relief if, in its judgment, such action is necessary to avoid irreparable damage, to preserve the status quo or to prevent the dissemination of Confidential Information or protection of its intellectual property or from bringing and pursuing legal action to specifically enforce the provisions of this Section X.

XI) NOTICES

All notices, requests, demands and other communications under this MOU or in connection herewith shall be in writing given to or made upon the respective Parties as follows and will be effective:

- upon actual delivery if presented personally or sent by express overnight courier (with a signature acknowledging receipt), or
- seven days following deposit in the mail if sent by certified or registered mail, postage prepaid, return receipt requested.:

To TCS:

Dr K M Suceendran
Head – Academic Alliances /Academic Interface Program
Tata Consultancy Services Ltd,

With a copy addressed to: General Counsel, Tata Consultancy Services Limited, TCS House, Raveline Street, Fort, Mumbai - 400 001 (India).

To Institute:

Attention: Dr.Praveen D.Chaudhari
Principal
PES Society's Modern College of Pharmacy
Sector No21, Yamunanagar Nigdi, Pune-411044
Mcopnigdi44@gmail.com

Or to such other person or addresses as any of the parties shall have notified to the other party. All notices, requests, demands and other communications given or made in accordance with the provisions of this MOU shall be in writing by registered letter, fax or telegram.

XII) NON SOLICITATION

- During the term of this MOU and for a period of (12) months thereafter, Institute agrees not to hire, recruit, solicit or otherwise employ any employee or representative of TCS involved in the performance of its obligations pursuant to this MOU.

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[Signature]

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XIII) FORCE MAJEURE

- Neither Party shall be liable for any failure or delay in the performance of its obligations under this MOU to the extent such failure or delay or both is caused, directly or indirectly, without fault by such Party, by any reason beyond its reasonable control, including but not limited to, by fire, flood, explosion, earthquake, elements of nature, drought or bad weather, lightning or acts of God, acts of state, strikes, acts of war (whether declared or not), hostilities, terrorism, riots, civil disorders or commotion, lockouts, industrial disputes, rebellions or revolutions, blockages, quarantines, embargoes and other similar governmental action (each a "Force Majeure Event"). Any Party so delayed in its performance will immediately notify the other by telephone or by the most timely means otherwise available (to be confirmed in writing within ten (10) Business Days of the inception of such delay) and describe in reasonable detail the circumstances causing such delay with relevant documentary supporting. However the Party claiming such event shall take all necessary steps to mitigate the delay so caused in spite of such Force Majeure Event.

XIV) AUTHORITY

- Each signatory to this MOU represents and warrants that he/she is duly authorized by the Party for and on whose behalf he/she is signing this MOU to execute the same in a manner binding upon said Party and that all approvals, permissions and procedures necessary for vesting such authority in him/her have been duly complied with.

XV) NO WAIVER

- Either Party's failure to exercise any right under this MOU shall not constitute a waiver of any other terms or conditions of this MOU with respect to any other or subsequent breach, or a waiver by such Party of its right at any time thereafter to require exact and strict compliance with the terms of this MOU. In order to be effective, all waivers under this MOU must be in writing and signed by the waiving Party.

XVI) TATA CODE

- The business activities of TCS are self regulated by the "Tata Code of Conduct". Institute undertakes that it will ensure compliance with the Code in the performance of this MOU and promptly report any violation or potential violation of the Code by any person to the Local Ethics Counselor or the Principal Ethics Counselor or the CEO of TCS. A copy of the Tata Code of Conduct is available at: <https://www.tcs.com/tata-code-of-conduct>.

XVII) SURVIVAL

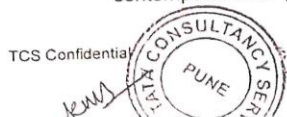
- The clauses of this MOU, including without limitation, confidentiality and intellectual property right obligations, which by their very nature ought to survive termination or expiration of this Agreement, shall so survive.

XVIII) SEVERALTY

- If any clause or term of this MOU be declared null and void and or unconstitutional or unenforceable, such clause or term shall be modified to the extent necessary to make it valid and enforceable whilst preserving the intent of the Parties and the remaining terms and the MOU shall continue to operate and be binding on the Parties.

XVI) ENTIRE AGREEMENT

- This MOU, along with the schedules, annexures and exhibits, if any, attached hereto, sets forth the entire agreement between the Parties and supersedes any other prior or contemporaneous proposals, agreements and representations between them related to



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its subject matter, whether written or oral, between the Parties and all amendments and extensions thereof, which shall be deemed to be superseded by this Agreement. No modifications or amendments to this MOU shall be binding upon the Parties unless made in writing and duly executed by authorized officials of both Parties.

IN WITNESS WHEREOF, each of the parties hereto have caused this MOU to be duly executed by a duly authorized representative of such party as of the date first above written.

TATA CONSULTANCY SERVICES LTD.

(TCS)

Signature: *K. M. Suceendran*

Name: Dr. K. M. Suceendran

Title: Head – Academic Alliances /
Academic Interface Programme

Date: 11-Oct-2023



**P.E. SOCIETY'S MODERN COLLEGE OF
PHARMACY NIGDI PUNE**
(Institute)

Signature: *Dr. Praveen D. Chaudhari*

Name: Dr. Praveen D. Chaudhari

Title: Principal

Date: 11/10/2023

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ANNEXURE - A

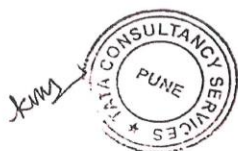
OPTION 1:

TCS Designed Course(s) – Offered as elective courses for specific degree specializations

Offerings –

(i) Foundation course in Clinical Research

- TCS agrees to design and develop one or more elective courses to be offered by Institute to the final year students of:
 - (a) Bachelor of Pharmacy (B.Pharm) and Master of Pharmacy (M.Pharm)
- In general, TCS aims to design the courses covering approximately 70 hours of teaching and including 3 hours of examination in the end for each course and can be customized based on the requirements of the Institute.



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ANNEXURE – B (FOR STUDENTS)

INDIVIDUAL CONFIDENTIALITY UNDERTAKING

The following special terms are agreed between the undersigned Final Year B.Pharm, M.Pharm, ("I"/ "Student") of P.E.Society's Modern College of Pharmacy Yamunanagar Nigdi Pune 411044 affiliated to Savitribai Phule Pune University Pune University and Tata Consultancy Services Limited, having its corporate office at TCS house, Raveline Street, 21 D.S. Marg, Fort, Mumbai – 400001, India ("TCS").

WHEREAS in connection with the terms of the Memorandum of Understanding dated 11th day of October 2023, executed by and between TCS and P.E.Society's Modern College of Pharmacy Yamunanagar Nigdi Pune 411044 (the "MOU"), TCS has agreed to design and develop courses in areas focused Foundation course in clinical research which is a focused line of business offering within Business Process Outsourcing entity at TCS

WHEREAS TCS has invested considerable time, expenses and efforts in the designing, developing and structuring of the course and study material that are provided to the Student (hereinafter referred to as "Course Material").

AND WHEREAS it being an intellectual property of TCS, the Student hereby agrees to comply with the following obligations with respect to such Course Material:

- I acknowledge that TCS is the owner of any and all the intellectual property and proprietary rights in the Course Material and accept that I have not acquired and shall not acquire (including by virtue of my receipt of Course Material) any such intellectual property or proprietary rights.
- I shall not commit any violation, infringement or misappropriation of such intellectual property and proprietary rights nor commit any other act or omission which has an adverse effect on the value, validity, enforceability or any other aspect thereof in regard to the Course Material.
- I hereby agree and undertake to hold and keep in strict confidence the Course Material in my possession, custody or control and neither copy, distribute or disclose Course Material nor allow any third party to do so, and not use or allow it to be used for any purpose or in any manner other than for self study/ training.
- I also hereby undertake to ensure that after completion of the course or upon prior request by TCS, I shall promptly destroy the Course Material by means of shredding.

I agree that the limitations set forth herein are reasonable and properly required for the adequate protection of the Course Material of TCS. I note that TCS is relying on my undertaking in this statement in agreeing to permit me access to the Course Material and that I may be held personally liable for breach of the undertakings in this statement. This Undertaking shall be governed by the laws of India. In the event any dispute arises in connection with this Undertaking, the courts in Mumbai shall have a non-exclusive jurisdiction, however, that, upon my breach of this Undertaking, TCS reserves the right to seek any available form of legal or equitable relief, including, but without limitation, injunctive relief as a remedy for such breach from any court of competent jurisdiction.

By signing below, I acknowledge that I have read, understood and hereby voluntarily agree to the above terms and conditions.

Signature: _____ Date: _____

Name of Student: _____

College ID Number: _____

Residential Address: _____

TCS Confidential



[Signature]

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ANNEXURE – C (FOR FACULTY)

INDIVIDUAL NON-DISCLOSURE AGREEMENT

This Agreement is entered into as of the day of signing, by and between Tata Consultancy Services Ltd., a company incorporated under the Companies Act 1956 and having its Corporate Office at TCS House, Raveline Street, Fort, Mumbai 400001, India ("TCS"), and _____ s/o d/o _____, ("Faculty"), a Faculty in the Department of P.E. Society's Modern College of Pharmacy Yamunanagar Nigdi Pune 411044

TCS and Faculty are both hereinafter referred to as "Party" individually or "Parties" collectively as the context may require;

WHEREAS Faculty is aware that in connection with the terms of the Memorandum of Understanding dated 11th day of October 2023 executed by and between TCS and Institute (the "MOU"), TCS has agreed to design and develop course contents and curriculum for one or more courses ("TCS Designed Courses") that can be offered by the Institute to its students.

WHEREAS, TCS will conduct a Train the Trainer Program ("Training") where personnel/specialists from TCS will transition the skill, knowledge and approach to the nominated faculty/Faculty to teach the TCS Designed Course(s) viz. Banking & Insurance <name of the courses for which the Faculty is being trained> (the "Course").

WHEREAS, the Faculty will utilize the material, skill and knowledge learnt during the Training hereto for imparting education thereof only to the students enrolled in Course and at the Institute ("PURPOSE").

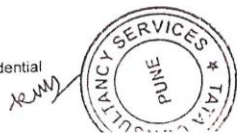
WHEREAS, Faculty acknowledges that TCS has invested considerable time, expenses and efforts in the designing, developing and structuring of the Course and study material that are provided to the Faculty.

WHEREAS, in the course of Training/such activities it is also anticipated that TCS will disclose to the Faculty all Course material (in form of soft copies and/or hard copies) for the Purpose as set forth above;

NOW THEREFORE, the Parties hereto have entered into the following agreement ("Agreement"):

- For the purpose of this Agreement "Confidential Information" shall mean any and all information and data, including but not limited to any kind of any Course Material, Training material, methods, product, service, process, invention, improvement or development carried on or used by TCS, discoveries, ideas, concepts, know-how (whether patentable or copyrightable or not), research, development, designs, specifications, drawings, blueprints, tracings, diagrams, models, samples, flow charts, computer programs, algorithms, marketing plans or techniques, budgets, costs, profits, prices, discounts, mark-ups, business strategies, tenders and any price sensitive information concerning TCS, whether or not labeled as "Confidential Information" and disclosed by TCS in connection with the Purpose, irrespective of the medium in which such information or data is embedded. Confidential Information shall include any copies, abstracts, reports, work products or any derivatives made or derived from CONFIDENTIAL INFORMATION by the Faculty as well as any modules, samples, prototypes or parts thereof.
- All Confidential Information disclosed pursuant to this Agreement
 - shall be used exclusively for the Purpose of this Agreement, and the Faculty shall be permitted to use Confidential Information disclosed to it pursuant to this Agreement only for such sole Purpose and for no other purpose, unless otherwise expressly agreed to in writing by TCS;
 - shall not be distributed, disclosed, or disseminated in any way or form by the Faculty to anyone. All CONFIDENTIAL INFORMATION shall be utilized by the Faculty only for the purpose of gaining knowledge and in furtherance of imparting education to the students of the Institute;
 - shall be treated by the Faculty with reasonable care that a prudent person would exercise to avoid disclosure of CONFIDENTIAL INFORMATION to any third party;
 - shall remain the property of TCS;
 - shall not be disclosed to any other third party by the Faculty without the prior written approval from TCS; the Faculty shall not copy, recreate, replicate, translate or otherwise reproduce any Confidential Information in any manner whatsoever or create derivative works therefrom, except for the PURPOSE specified in this Agreement;
- The obligations as per paragraph 2 shall not apply, however, to any Confidential Information which:

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- a. the Faculty can demonstrate, is already in the public domain or becomes available to the public through no breach by the Faculty of this Agreement;
 - b. was lawfully in the Faculty's possession prior to receipt from TCS as proven by its written records without the breach of any confidentiality obligations by any third party;
 - c. is independently developed by the Faculty without reference to or use of any CONFIDENTIAL INFORMATION;
 - d. is required to be disclosed by law or the rules of any governmental organization, provided the Faculty has issued a written notice to TCS immediately upon learning the requirement for disclosure and afforded TCS a reasonable opportunity to contest, limit and/or assist the Faculty in limiting such disclosure.
4. The Faculty shall have the right to refuse to accept any Confidential Information under this Agreement prior to receipt of such Confidential Information and once the Confidential Information is received by the Faculty, the Faculty shall be deemed to have unconditionally accepted such Confidential Information in terms of this Agreement. Nothing herein obligates TCS to disclose any Confidential Information to the Faculty.
 5. The Faculty shall indemnify and hold harmless TCS and their directors, officers, employees, agents and representatives from and against all or any claims, damages, losses, liabilities or expenses (including, but not limited to, reasonable attorneys' fee and disbursements), arising out of a breach of this Agreement by the Faculty or its representatives or agents.
 6. The Faculty agrees that monetary damages would not be a sufficient remedy for any breach of this Agreement, and that in addition to the remedies provided in Article 5 of this Agreement and any other remedies available to TCS, TCS shall be entitled to specific performance and injunctive or other equitable relief as a remedy for any such breach.
 7. The Faculty confirms that TCS is disclosing the Confidential Information on "as is" basis without any warranty or representation of any nature whatsoever. TCS shall therefore not be liable to the Faculty for any direct, indirect, special, consequential, incidental, or punitive damages or loss, regardless of the form of action or theory of liability (including, without limitation, actions in contract, warranty, negligence, or products liability) resulting from any defect in or use of any CONFIDENTIAL INFORMATION by the Faculty, even if either PARTY had been advised of the possibility of such damages or losses.
 8. It is understood that no license or right of use or any other right in respect of the Confidential Information is granted or conveyed by this Agreement unless expressly provided herein. The disclosure of Confidential Information and materials shall not result in any obligation to grant the Faculty any such rights therein.
 9. The Faculty agrees that it shall treat Confidential Information disclosed under this Agreement as strictly confidential in perpetuity.
 10. All Confidential Information disclosed pursuant to this Agreement shall either be returned to TCS or be destroyed by the Faculty at the option of and sole discretion of TCS. In case of destruction, the Faculty shall confirm in writing such destruction to TCS.
 11. All disputes arising out of or in connection with the present Agreement, including any question regarding its existence or validity, shall be finally settled by arbitration in accordance with the provisions of the Arbitration and Conciliation Act, 1996 and under the Rules made thereunder (or any statutory modification / re-enactment thereof) by one or more arbitrators appointed in accordance with the said Rules. The seat of arbitration shall be Mumbai. The language to be used in the arbitration proceeding shall be English. The award passed pursuant to such arbitration proceedings shall be final and binding. Notwithstanding this provision, in the event of a breach or threatened breach of this Agreement by or any one acting on behalf of the Faculty, TCS shall be entitled to seek any equitable relief, specific performance or any such applicable relief from any court of competent jurisdiction.
 12. This Parties agree that Agreement shall be subject to the substantive law in force in India with the courts at Mumbai having the exclusive jurisdiction.
 13. All notices, requests, demands and other communications under this agreement or in connection herewith shall be given to or made upon the respective parties as follows:

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Yamunanagar, Sector No.21, Nigdi,
Pune - 411 044



13. All notices, requests, demands and other communications under this agreement or in connection herewith shall be given to or made upon the respective parties as follows:

To

TCS : Tata Consultancy Services Ltd
TCS House, Raveline Street,
Fort, Mumbai 400 001, India.

Attn: General Counsel, TCS

To < Name of Faculty, designation, college name & college address >

or to such other person or addresses as any of the Parties shall have notified to the others in writing.

All notices, requests, demands and other communications given or made in accordance with the provisions of this Agreement shall be in writing by letter, fax or telegram.

14. If any term, clause or provision of this Agreement shall be judged to be invalid for any reason whatsoever, such invalidity shall not affect the validity or operation of any other term, clause or provision of this Agreement and such invalid term clause or provision shall be deemed to have been deleted from this Agreement.
15. The provisions of this Agreement may not be modified, amended, nor waived, except by a written instrument duly executed by the Parties hereto. The requirement of written form can only be waived in writing.

IN WITNESS WHEREOF, the Parties hereto have caused this Agreement to be executed by their duly authorized representatives on the dates specified below.

Location:
Date:
on behalf of/on behalf of:
TATA CONSULTANCY SERVICES LTD

Location:
Date:

P.E.SOCIETY'S MODERN
PHARMACY NIGDI PUNE

COLLEGE OF

Sign in the box

.....
Name, Designation & Signature

Sign in the box

.....
Name, Designation & Signature of Faculty

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Pune - 411 044



To TCS : Tata Consultancy Services Ltd
TCS House, Raveline Street,
Fort, Mumbai 400 001, India.

Attn: General Counsel, TCS

To < Name of Faculty, designation, college name & college address>

or to such other person or addresses as any of the Parties shall have notified to the others in writing.

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IN WITNESS WHEREOF, the Parties hereto have caused this Agreement to be executed by their duly authorized representatives on the dates specified below.

Location:
Date:
on behalf of: on behalf of:
TATA CONSULTANCY SERVICES LTD

Location:
Date:
P.E.SOCIETY'S MODERN COLLEGE OF
PHARMACY NIGDI PUNE

Sign in the box

.....
.....
Name, Designation & Signature

Sign in the box

.....
.....
Name, Designation & Signature of Faculty



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P. E. S. Modern College of Pharmacy
Yamunanagar, Sector No.21, Nigdi,



ANNEXURE – D

TERMS AND CONDITIONS FOR USAGE OF TCS MARKS

Any use of TCS or its affiliates' name, trade name, trademarks or service marks (collectively "TCS Marks") as referred to in Section IV of the MOU shall be subject to the following terms and conditions:

1. Institute acknowledges and agrees that any use of TCS Marks shall be with the prior written approval of the first proposed usage from TCS. Any different usage also shall require prior written consent TCS. Institute shall submit samples for approval at email: stephenmoses.dinakaran@tcs.com. Any change in the contact for submitting samples for approval shall be intimated to Institute from time to time. All use of TCS Marks permitted by this Section shall be in accordance with TCS usage guidelines and/or instructions provided to Institute from time to time. Where such prior written approval is granted as aforesaid, TCS will grant Institute a non-transferable, non-sublicensable, royalty-free, revocable and nonexclusive permission to place or affix permitted TCS Marks belonging to TCS, on or in relation to the approved usage.
2. TCS reserves the right to withdraw such permission and consent at any time with reasonable notice entirely or in relation to particular TCS Marks or particular use, and immediately if TCS become aware of any claim by a third party that Institute use of TCS Marks infringes upon the rights of that third party. Institute acknowledges and agrees that all rights, title and interest in and to TCS Marks shall be and remain sole and exclusive property of TCS and/or its affiliates. Institute will be responsible for ensuring that the use of TCS Marks is accurate, and not misleading, defamatory, libelous, obscene, infringing or otherwise objectionable and is in compliance with the applicable laws and remains distinct and separate from text, brand marks or any other graphic elements.
3. Institute represents and warrants that they will not at any time:
 - (i) claim any right, title or interest in any of the TCS Marks;
 - (ii) register, seek to register or cause to be registered any of the TCS Marks;
 - (iii) adopt and use any trademark, trade name, business name, fictitious name, internet domain name, logo or designation that might be identical or confusingly similar to TCS Marks or TCS Marks as portion thereof;
 - (iv) attach any other trademark, trade name, logo or designation to TCS Marks or use in combination with any other design, word or words, unless such use is authorized in writing by TCS;
 - (v) use any of the TCS Marks in connection with products / services / context not contemplated herein;
 - (vi) use TCS Marks in any manner that suggests that TCS has endorsed, sponsored or certified the product, components, program or services of the other Party; or
 - (vii) use any of the TCS Marks in a manner that infringes, derogates, dilutes, or impairs rights TCS has in such Marks.
4. Institute will be fully responsible to TCS for any damages or harm caused to TCS by a breach of these terms and conditions by Institute or any of its agents, consultants or affiliates. Institute acknowledge and agree that a breach of any of its representations, warranties or agreements contained herein will result in irreparable injury to TCS and/or its affiliates for which there will be no adequate remedy at law, and TCS and/or its affiliates shall be entitled to apply for equitable relief, including injunction and specific performance, in the event of any breach or threatened breach or intended breach of these terms and conditions by Institute. Such remedies, however, shall not be deemed to be the exclusive remedies for any breach of these terms but shall be in addition to all other remedies available at law or in equity.
5. All use of TCS Marks by the Institute as permitted under these terms and conditions and goodwill therein shall inure to benefit of TCS and its affiliates. Any breach of the license/permission granted herein and/or breach of the representations and warranties will cause irreparable loss to TCS and/or its affiliates for which there may be no remedies at law.



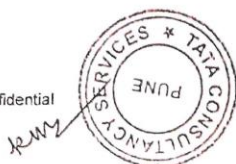

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6. Permission for Institute to use the TCS Marks under these terms and conditions is only as stated above and it is expressly understood that nothing herein shall grant to Institute any right, title, or interest in the TCS Marks or name (either alone or in association with other words or names), or any part thereof, or in any other marks adopted by TCS, or in any trademark, copyright or good will of TCS and/or its affiliates. Institute agrees upon termination or expiration of this MOU to discontinue use of TCS Marks where such use is based on any rights obtained under these terms and conditions. Any continued, further or other use of TCS Marks shall be subject to execution of separate agreement between the Parties.
7. All materials provided and/or approved by TCS under these terms and conditions (including without limitation the marks and all graphic materials and content relating to the marks) are provided "as is" and without warranty of any kind, express or implied, and TCS and/or its affiliates/licensors hereby disclaim any and all warranties, express and implied, including but not limited to any warranties of reliability, availability, title, merchantability, non-infringement, quiet enjoyment or fitness for a particular purpose.
8. In no event shall TCS and/or its licensors or affiliates be liable for any direct, indirect, punitive, incidental, special, consequential damages or any damages whatsoever, including without limitation, arising out of or in any way related to the use of or inability to use, or failure to meet any duty including of good faith or of reasonable care, damages for loss of profits, revenue or business interruption, or otherwise under or in connection with any provisions of these terms and conditions regarding use of the TCS Marks, even in the event of the fault, tort (including negligence), strict liability or breach of contract, and even if TCS or any of its licensors/affiliates has been advised of the possibility of such damages.


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Pune - 411 044




Guest lecture



Progressive Education Society's
MODERN COLLEGE OF PHARMACY, PUNE
(Permanently Affiliated to Savitribai Phule Pune University - AISHE CODE C- 42167)
(Approved by Pharmacy Council of India, Directorate of Technical Education, Mumbai, MS)
DST FIST Funded College, NAAC - A+ Grade with CGPA 3.47 and NBA Accredited



Rank  Amongst top 100 Pharmacy
College by NIRF, New Delhi

Best College Award by Savitribai Phule
Pune University, Pune

Approved under Section (2 (f) & 12 (B)
of UGC Act, 1956

Prof. Dr. P. D. Chaudhari
Principal

Prof. Dr. G. R. Ekbote
Chairman, Business Council, P.E. Society

Ref- No. : mcop/mou/2023-24/339-25

Date : 31/05/24


Summary of Activity done under MOU

Name of concern Institute: Tata Consultancy Services Ltd (TCS), Mumbai

Date of MOU: 11/10/2023 to 31/03/2025

Validity Period of MOU: 1.5 years

Sr no	Academic Year	No of activity	Name of Activity	No of beneficiaries	Start Date	End Date
1	2023-2024	01	Guest Lecture	107	11/10/2023	11/10/2023


Dr. Pravin D. Chaudhari
Principal and Professor


MoU Incharge
Tata Consultancy Services Ltd (TCS), Mumbai



STRIVING TOWARDS EXCELLENCE FOREVER

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

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

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Modern College of Pharmacy's Career Path 2023-2024

Title of Activity: Orientation lecture on Sigma and Sigma Plus hiring by TCS

Date of Activity: 11th October 2023

Time of Activity: 11: 30 am onwards

Name of Resource Person: Mr.Hrishikesh Jayant Dhande, Dr K. M. Suceendran & Ms Lata Karki

Designation & Organization of resource person: Mr.Hrishikesh Jayant Dhande (Region Head-Academic Interface Programme), Dr K. M. Suceendran (Global Head of AIP) & Ms Lata Karki (Regional Talent Acquisition Head)

Number of Participants: 107

Class of Participants: Final Year B Pharm and Second Year M Pharm

Objectives of activity: The program's objective were to

- To provide mid-level applicants with career progression possibilities that correspond with their professional objectives.
- To ensure that candidates not only meet the technical requirements but also fit well with TCS's culture and values.
- To elevate TCS's competitive edge by recruiting top-tier senior talent who can lead strategic initiatives and innovation.

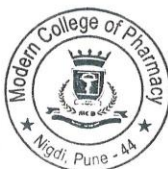
Online/Offline: Offline

Description of activity: The session started with signing of MOU with Tata Consultancy Services under the guidance of Respected Principal Sir through Academic Interface Programme followed by the felicitation of the team members. The Orientation Session was delivered by Mr. Hrishikesh Jayant Dhande, Dr. K.M.Suceendran and Ms. Lata Karki. They guided students regarding Sigma Hiring. The session was very informative and interactive and ended with question and answer session.

Methodology/ Concepts/ Ideas learnt by students: TCS has a rigorous technique in the Sigma and Sigma Plus hiring programs that is intended to effectively acquire, evaluate, and integrate elite talent. Using targeted job advertising and professional networks, the process for the mid-level professional Sigma program starts with finding and attracting applicants with relevant technical competence and experience. By taking a disciplined strategy, TCS is able to attract top personnel and facilitate their successful transition into the company, which in turn promotes long-term success and alignment with organizational goals.

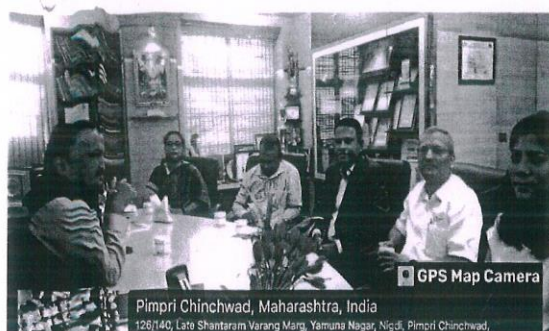
Outcome of activity: The outcome of the Sigma and Sigma Plus hiring activities at TCS is a strategically enhanced workforce that aligns with the company's long-term objectives and operational needs. For the Sigma program, the successful hiring of mid-level professionals results in a bolstered technical team equipped with the skills and experience necessary to tackle current projects and drive immediate improvements.

Dr. K. S. Shaikh
Training and Placement Cell



Dr. P. D. Chaudhari
Principal

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




Signing of MOU with Tata Consultancy Services under the guidance of Respected Principal Sir



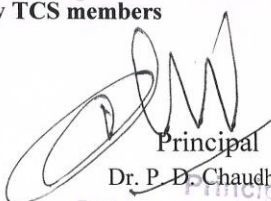
Felicitation of Mr. Hrishikesh Jayant Dhande, Dr. K.M.Suceendran and Ms. Lata Karki



Orientation Session for the students by TCS members


Training and Placement Cell
Dr. K. S. Shaikh




Principal
Dr. P. D. Chaudhari
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
Academic Year 2023-24**

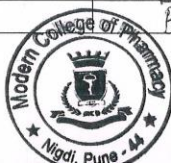
Date: 11/10/23

ATTENDANCE SHEET

Modern College of Pharmacy, Nigdi has arranged an orientation lecture of sigma and Sigma Plus hiring by TCS.

Sr. No	Name	B Pharm/ M Pharm	Sign
1	Rohit Anil Baheti	B. Pharm	
2	Aditya Kasar	B. Pharm	
3	Rajesh Gutte	B. Pharm	
4	Rutwik Pawar	B. Pharm	
5	Vijay Shinde	B. Pharm	
6	Sandesh Bhausaheb Pawar	B. Pharm	
7	Ganesh Pandurang Surwase	B. Pharm	
8	Chaitanya Madhukar Mali	B. Pharm	
9	Yash Dattatray Kudale	B. Pharm	
10	Mohammad Sameer Rafik Shaikh	B. Pharm	
11	Shadab Shaikh	B. Pharm	
12	Sohan. Narendra Bharambe	B. Pharm	
13	Abhishek Gokul Shendurkar	B. Pharm	
14	Aditya Babhalkar	B. Pharm	
15	Dipak P. Bonde	B. Pharm	
16	Sudhir Chandhar Chitambar	B. Pharm	
17	Soham Shekhar Dashi	B. Pharm	
18	Akush Baburao Pawar	B. Pharm	
19	Om Ganesh Shelke	B. Pharm	
20	Aditya Dhanesh Shinde	B. Pharm	
21	Pratik Arun Chavan	B. Pharm	
22	Ashish Vishnu Gerkar	B. Pharm	
23	Deep Vishwakumar Bisen	B. Pharm	
24	Chirayash Arun Gaurikar	B. Pharm	
25	Sanket Sanjay Dhangare	B. Pharm	
26	Sushil Krishna Jha	B. Pharm	
27	Abhishek Namdev Nagare	M. Pharm	
28	Aditya Devendra Chonde	M. Pharm	
29	Pratishtha Mackay	M. Pharm (Ph' Chem)	
30	Nagalapu. Pooja. Prabhu	M. Ph. (Ph' Chemistry)	
31	Vaishnavi Sunil Lokhande	B. Pharm	
32	Srushti Dinesh Magade	B. Pharm	

Dr. S. S. Shaikh
TCS



Dr. P. D. Chaudhari
Principal



P. E. Society's
Modern College of Pharmacy, Nigdi, Pune-411044
Academic Year 2023-24

Sr. No	Name	B Pharm/ M Pharm	Sign
33	Sayali Shinde	B Pharm	
34	Siddhi Waghule	B Pharm	
35	Riya Shirke	B Pharm	
36	Pratiksha P. Jadhav	M. Pharm	
37	Rashika P. Babbhulkar	M. Pharm	
38	Snehal Kashube	M. Pharm	
39	Varsha Sumil Pawar	M. Pharm	
40	Pawan Babasaheb Naughtane	M. Pharm	
41	Tanpure Ajinkya	B. Pharm	
42	Pawan Pawar	B. Pharm	
43	Shreyas Mohite	B. Pharm	
44	Prathmesh Panzade	B Pharm	
45	Sarvesh Kulkarni	B Pharm	
46	Yashraj Dhamale	B Pharm	
47	Vinayakashish Kulkarni	B Pharm	
48	Vinay Gore	B Pharm	
49	Prathmesh A. Nale	M. Pharm.	
50	Abhijeet P. More	M. Pharm.	
51	Shivshankar Waghmare	M. Pharm.	
52	Ajay P. Patange	M. Pharm.	
53	Hemalata D. Dishiware	M. Pharm.	
54	Affiya Bizada	M. Pharm	
55	Abhinav Thorat	B. Pharm	
56	Jay Rajgor	B. Pharm	
57	Sakshi Palve	B. Pharm	
58	Sanika Shelar	B. Pharm	
59	Pratiksha Pawar	B. Pharm	
60	Anjali Rajuwar	B. Pharm	
61	Prerna Patil	B. Pharm	
62	Ankita Khair	B. Pharm	
63	Rutaze Sneha	B. Pharm	
64	Neha Neuse	B. Pharm	
65	Vaishnavi More	B. Pharm	
66	Pranaya Nawale	B. Pharm	
67	Pragata Sathe	B. Pharm	
68	Sukanya Vyavahare	B. Pharm	
69	Sakshi Borangule	B. Pharm	
70	Tanuj Patil	B. Pharm	

Dr. K. S. Shaikh



Dr. R. D. Chaudhari
Principal



P. E. Society's
Modern College of Pharmacy, Nigdi, Pune-411044
Academic Year 2023-24

Sr. No	Name	B Pharm/ M Pharm	Sign
71	Arunje Patil	B-pharm	
72	Himshada Tandale	B-pharm	
73	Swapnali Shedge	B-pharm	
74	Arti Borde	B-pharm	
75	Vaishnavi Zond	B-pharm	
76	Kajal Thete	B-pharm	
77	Vishhvevi Gadade	B-pharm	
78	Anurika Borawke	B-pharm	
79	Gayatri Shepe	B-pharm	
80	Aditi Jagtap		
81	Rutuja Kadam		
82	Rutuja Bhosale		
83	Sakshi Bhargati		
84	Alkansha Dhanawade	— —	
85	Tanvi Bhangore	— —	
86	Pooja Warkhan	B-pharm	
87	Vaishali Bhavate		
88	Snchal Bagade	B-pharm	
89	Shruti Gadhave	B-pharm	
90	Sayali Bhagwat	B-pharm	
91	Bhargavi Khandhan	— —	
92	Arti Chaudhari	— —	
93	Bhumnika Bhole		
94	Siddhi Dhavan		
95	Vidya Chaudhary		
96	Shrushti Phand		
97	Harshda Kamthe	— —	
98	Sidhi Kamble	— —	
99	Sakshi Khadse	— —	
100	Rajeshree Kale	— —	
101	Swamini Dhore	— —	
102	Pradnya Autade	— —	
103	Pratiksha Laxman Raut	M. Pharmacy QAT	
104	Harshal Patil	M. Pharmacy QAT	
105	Bhanel Nitin	— —	
106	Parnan Waji	— —	
107	Shubham Aleshpawar	— —	

Dr. K. S. Shaikh



Dr. P. D. Chaudhary



**MOU with Swami
Sevabhavisanthas Lotus Business
School, Punawale, Pune**



MEMORANDUM OF UNDERSTANDING

Between

P.E. Society's Modern College of Pharmacy, Nigadi, Pune 411044

And

Swami Sevabhavi Sanstha's,
Lotus Business School (LBS)

S.No. 52/53, Jhambe Road, Pune Mumbai Expressway,
Punawale, Pune, Maharashtra, India 411033

This Memorandum of Understanding (MOU) is signed with the objective to strengthen academic relationship with esteemed educational institutions. This MOU will foster collaboration between both organizations in the areas of professional development and research activities mutually beneficial to both organizations.

Objective:

The primary objective of this MoU is to foster collaboration between the two institutions to promote academic excellence, research, and student development.

It is mutually agreed by Lotus Business School and P.E. Society's Modern College of Pharmacy, Nigadi that:

1. Both parties have agreed to collaborate in the following area: -

Areas of Collaboration:

a) **Academic Enrichment:** This involves activities aimed at enhancing the academic quality and depth of the educational programs offered by both institutions. It may include curriculum development, guest lectures by experts, joint research projects, and the integration of innovative teaching methodologies.

b) **Seminar/Workshop/Conference:** These are events organized to facilitate knowledge sharing, discussion, and networking among students, faculty, industry professionals, and other stakeholders. Seminars, workshops, and conferences provide platforms for exchanging ideas, presenting research findings, and addressing contemporary issues in relevant fields.

c) **Value-added Certification Programs:** These are specialized programs or courses designed to provide additional skills, knowledge, or certifications beyond the regular academic curriculum. They are aimed at enhancing the employability and competitiveness of students in the job market by offering training in specific areas of interest or industry-relevant certifications.





a) Student/Faculties Professional Development Activities: These activities focus on enhancing the skills, knowledge, and competencies of both students and faculty members. Professional development opportunities may include training sessions, workshops, seminars, and conferences aimed at improving teaching methodologies, research skills, leadership abilities, and industry-relevant competencies.

e) Social/Extension Activities: These are initiatives aimed at engaging with the community and addressing societal needs through various outreach programs, community service projects, and social impact initiatives. Social and extension activities foster a sense of social responsibility among students and contribute to their holistic development.

f) Students Exchange Program: This involves the exchange of students between the two institutions, allowing them to study for a certain period at the partner institution. Student exchange programs provide opportunities for cultural immersion, academic enrichment, and exposure to different learning environments.

g) Faculty Exchange Program: Similar to student exchange programs, faculty exchange programs facilitate the exchange of faculty members between the two institutions. Faculty members may engage in teaching, research collaboration, curriculum development, or other academic activities during their exchange period.

h) Research Activities: Collaborative research activities involve joint research projects, collaborative studies, and research partnerships between faculty members and researchers from both institutions. Research activities contribute to knowledge creation, academic excellence, and innovation in relevant fields.

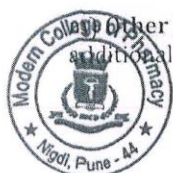
i) Placement Activities: These activities focus on facilitating career opportunities and placements for students through industry interactions, and placement assistance services. Placement activities aim to bridge the gap between academia and industry by facilitating smooth transitions for students into the workforce.

j) Industrial Visits: Industrial visits provide students with firsthand exposure to industrial environments, operations, and processes. These visits help students gain practical insights into their field of study, understand real-world applications of theoretical concepts, and develop industry-relevant skills.

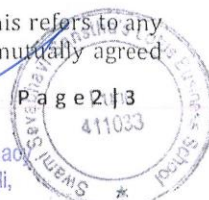
k) Institute Accreditation/ NAAC/NBA: Collaboration in this area may involve activities related to accreditation processes, quality assurance, and continuous improvement of academic programs and institutional standards as per the guidelines set by these accreditation bodies.

l) NEP-2020: NEP refers to the National Education Policy 2020, a comprehensive framework for transforming the education system in India. Collaboration in this area may involve aligning educational practices, policies, and initiatives with the objectives and principles outlined in the NEP 2020.

Other Joint Initiatives as per Requirement of Both Institutes: This refers to any additional collaborative initiatives, projects, or activities that may be mutually agreed upon.



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





upon by both institutions to address specific needs, opportunities, or challenges arising during the collaboration.

2. Either party shall make available appropriate infrastructure facilities for the Collaboration, which may include general access to the Physical/Digital facilities, faculty, staff, classrooms, library facilities, and computer and communication facilities as may be required for the various programs to be offered.

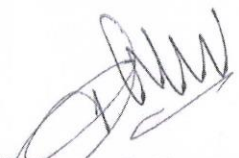


3. Both organizations pursue a relationship based on transparency, persistence, mutual trust and Integrity

4. This Collaboration is non-exclusive and each party shall be free to enter into similar collaborations with other institutions/organizations.


5. There shall be no financial implications associated with this MoU.

6. All or any dispute arising between the parties in respect of this MOU of whatsoever nature shall be resolved under the laws of India and any or all such disputes will be subject to the exclusive jurisdiction of the courts in Pune, India.

The MOU hereunder shall commence on 17/05/24 and extend until terminated in writing by either party hereunder.

For & on behalf of	For & on behalf of
 Dr. Praveen D. Chaudhari Principal P.E. Society's Modern College of Pharmacy, Nigadi, Pune 411044	 Dr. Satish Warpade Director Swami Sevabhavi Sanstha's, Lotus Business School, S.No. 52/53, Jhambe Road, Pune Mumbai Expressway, Punawale, Pune-411033
In the presence of	In the presence of
	 Dr. Dhananjay Deshpande. Associate Professor Industry & Institutes tie-up, Accreditation & NEP-2020 Coordinator




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Workshop

Progressive Education Society's
MODERN COLLEGE OF PHARMACY, PUNE
 (Permanently Affiliated to Savitribai Phule Pune University - AISHE CODE C- 42167)
 (Approved by Pharmacy Council of India, Directorate of Technical Education, Mumbai, MS)
 DST FIST Funded College, NAAC - A+ Grade with CGPA 3.47 and NBA Accredited

Rank Amongst top 100 Pharmacy College by NIRE, New Delhi

Best College Award by Savitribai Phule Pune University, Pune

Approved under Section (2 (f) & 12 (B) of UGC Act, 1956

Prof. Dr. P. D. Chaudhari
Principal

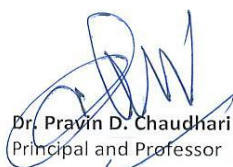
Prof. Dr. G. R. Ekbote
Chairman, Business Council, P.E. Society

Ref- No. : (MCOPI) MOU/2023-24/839-7K Date : 31/05/2024

Summary of Activity done under MOU

Name of concern Institute: Swami Sevabhavisanthas Lotus Business school, Punawale, Pune
 Date of MOU: 17/05/2024
 Validity Period of MOU: Lifetime

Sr no	Academic Year	No of activity	Name of Activity	No of beneficiaries	Start Date	End Date
1	2023-2024	01	Workshop	75	23/01/2024	23/01/2024


 Dr. Pravin D. Chaudhari
Principal and Professor




 MoU Incharge
 Swami Sevabhavisanthas Lotus Business school, Punawale, Pune

STRIVING TOWARDS EXCELLENCE FOREVER

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



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

NSS REGULAR ACTIVITY REPORT 2023-2024

1.	Name of activity	Workshop on Personality Development by Swami Vivekanand Kendra
2.	Date of activity	23/01/2024
3.	Time	5 PM- 7PM
4.	Total no students participate	75
5.	Occasion of activity	National Service Scheme (NSS) special camp
6.	Guest Speaker name, designation and contact number.	Pundlik Mate Swami Vivekananda Kendra Pimpri Chinchwad Pune, Maharashtra 410506 Contact: 9881042443
7.	Place of activity	Camp Site, Darshan Goshala, A/P Jambhawade, Tal. Maal, Dist. Pune 410507.
8.	Objectives of activity	To make the students aware about the thoughts Swami- Vivekanand for truthful living. To aware students regarding the actual work and dedication required by young generation for ruler society development. To aware students regarding which type of initiative and hard work required to achieve better develop society. To know the students regarding the How to handle difficult and though situation very calmly and politely.
9.	Outcome of activity	Students were understood the swami-vivekanand's thoughts and importance of truthfulness. Students realized the importance of hard work and dedication required for developing ruler society. Students got different ideas for handling difficult and critical situation.

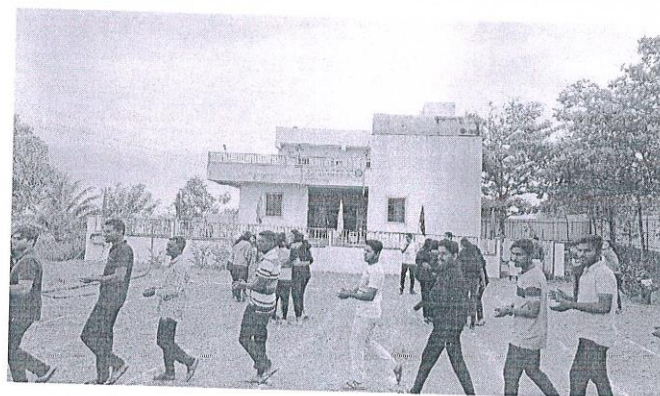



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Pune - 411 044



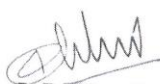
		Students were impressed and filling very cheerful after completion of workshop.
10.	Activity co-coordinator	Mr. R.M.Gurav, Dr. R.B.Mali.

Photos of activity




Mr. R.M.Gurav & 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
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



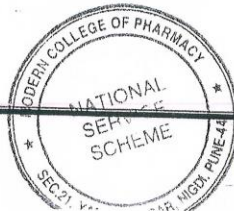
MODERN COLLEGE OF PHARMACY, NIGDI, PUNE
National Service Scheme (Unit A-032) 2023-24

NSS SPECIAL WINTER CAMP: 2023 - 2024

22/01/2024 to 28/01/2024 at Jambawade, Maval, Pune

ATTENDANCE SHEET : DAY 2: TUESDAY : 23/01/2024 [T.Y. and Final yr. B. pharm D Students]

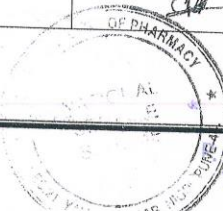
Sr. No.	Name of Volunteer	Morning	Evening
1	Aaditya Vinayak Gaikwad	<u>Aaditya</u>	<u>Aaditya</u>
2	Aditi Ambadas Pathade	<u>Aditi</u>	<u>Aditi</u>
3	Aditya Kumar Kasar	<u>Aditya</u>	<u>Aditya</u>
4	Aditya Laxman Babhalkar	<u>Aditya</u>	<u>Aditya</u>
5	Aditya Santoshrao Pathak	<u>Aditya</u>	<u>Aditya</u>
6	Aishwarya Narharirao Pande	<u>Aishwarya</u>	<u>Aishwarya</u>
7	Akanksha Sanjay Aglave	<u>Akanksha</u>	<u>Akanksha</u>
8	Akash Baburao Pawar	<u>Akash</u>	<u>Akash</u>
9	Akshay Chandrakant Karpe	<u>Akshay</u>	<u>Akshay</u>
10	Akshaya Suresh Meher	<u>A. Meher</u>	<u>A. Meher</u>
11	Anish Arun Gaikwad	<u>Anish</u>	<u>Anish</u>
12	Ankita Pralhad Khaire	<u>Ankita</u>	<u>Ankita</u>
13	Atharva Praful Joshi	<u>Atharva</u>	<u>Atharva</u>
14	Bhargav Bapu Jagtap	<u>Bhargav</u>	<u>Bhargav</u>
15	Chaitanya Madhukar Mali	<u>Chaitanya</u>	<u>Chaitanya</u>
16	Darshan Shivaji Darvesh	<u>Darshan</u>	<u>Darshan</u>



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



Sr. No.	Name of Volunteer	Morning	Evening
17	Deepali Shrikrushna Gosavi	Gosavi	Gosavi
18	Devendra Sanjay Dudhade	Dudhade	Dudhade
19	Dhramjeet Brundaban Nayak	Dayal	Dayal
20	Digvijay Bharat Mane	Mane	Mane
21	Geetanjali Narayan Bhale	Bhale	Bhale
22	Girish Pramod Funde	Funde	Funde
23	Girish Sudesh Patil	Patil	Patil
24	Harsh Ganpati Wadekar	Wadekar	Wadekar
25	Hrishikesh Anil Nikam	Nikam	Nikam
26	Jaie Ramdas Zore	Zore	Zore
27	Jivan Kantilal Adsul	Adsul	Adsul
28	Kalyan Babasaheb Nage	Nage	Nage
29	Khushi Kailas Wankhede	Wankhede	Wankhede
30	Kirti Subhash Savali	Savali	Savali
31	Kunal Gajanan Barge	Barge	Barge
32	Laasyaratna Durgaprasad Pagadala	Pagadala	Pagadala
33	Mahesh Digambar Raut	Raut	Raut
34	Mahesh Rajkumar Reddy	Reddy	Reddy
35	Mansi Santosh Thigale	Thigale	Thigale
36	Neha Vijay Nevse	Nevse	Nevse
37	Nikita Nanasahab Nigade	Nigade	Nigade
38	Omkar Nandkumar Jadhav	Jadhav	Jadhav
39	Omkar Ravindra Sawant	Sawant	Sawant



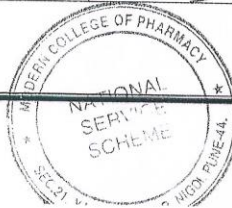
S. S. Modern College of Pharmacy
Yamunanagar, Sector No. 21, Nigdi,
Pune - 411 044



Criteria 3: Research, Innovations and Extension



Sr. No.	Name of Volunteer	Morning	Evening
40	Omkar Shantaram Tavhare	<i>Om</i>	<i>Om</i>
41	Pooja Shankar Hatkar	<i>Pooja</i>	<i>Pooja</i>
42	Prafull Venkatesh Kamjalge	<i>Prafull</i>	<i>Prafull</i>
43	Prathamesh Rajesh Panzade	<i>P</i>	<i>P</i>
44	Prathamesh Sunil Mali	<i>Prathi</i>	<i>Prathi</i>
45	Prerna Manohar Patil	<i>Prerna</i>	<i>Prerna</i>
46	Purva Munjaji Korde	<i>P</i>	<i>P</i>
47	Rani Dhondiba Dagade	<i>Rani</i>	<i>Rani</i>
48	Sagar Sandipan Solanke	<i>S</i>	<i>S</i>
49	Sakshi Kishor Ghundre	<i>S</i>	<i>S</i>
50	Sakshi Pravin Palve	<i>S</i>	<i>S</i>
51	Sandesh Bhausaheb Pawar	<i>Sandesh</i>	<i>Sandesh</i>
52	Sanket Dattatray Bhosale	<i>Sanket</i>	<i>Sanket</i>
53	Sanket Sanjay Dhangare	<i>Sanket</i>	<i>Sanket</i>
54	Satsang Anantrao Kumthekar	<i>Satsang</i>	<i>Satsang</i>
55	Shailesh Harishchandra Kendre	<i>Shailesh</i>	<i>Shailesh</i>
56	Shivai Sunil Botre	<i>Shivai</i>	<i>Shivai</i>
57	Shivam Sunil Phasale	<i>Shivam</i>	<i>Shivam</i>
58	Shreyas Raghunath Mohite	<i>Shreyas</i>	<i>Shreyas</i>
59	Shweta Mohan Mhetre	<i>Shweta</i>	<i>Shweta</i>
60	Srushti Samir Phand	<i>Srushti</i>	<i>Srushti</i>
61	Swapnil Vijaykumar Patil	<i>Swapnil</i>	<i>Swapnil</i>
62	Tushar Rajabhau Varat	<i>Tushar</i>	<i>Tushar</i>



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



Sr. No.	Name of Volunteer	Morning	Evening
63	Vaibhav Narayan Pawar	<u>Pawar</u>	<u>Pawar</u>
64	Vaibhavi Ganesh Deshmukh	<u>Vaibh</u>	<u>Vaibh</u>
65	Vaishnavi Dadarao More	<u>More</u>	<u>More</u>
66	Vaishnavi Pramod Atole	<u>Atole</u>	<u>Atole</u>
67	Vaishnavi Santosh Burukale	<u>Burukale</u>	<u>Burukale</u>
68	Vaishnavi Vishnu Shirke	<u>Shirke</u>	<u>Shirke</u>
69	Vidya Dilip Chaudhari	<u>Chaudh</u>	<u>Chaudh</u>
70	Vikas Madhukar Gore	<u>Gore</u>	<u>Gore</u>
71	Vinayakashish Pradiprao Kulkarni	<u>Kulkarni</u>	<u>Kulkarni</u>
72	Vishal Shripati Sarode	<u>Sarode</u>	<u>Sarode</u>
73	Yash Balkrushna Kulkarni	<u>Yash</u>	<u>Yash</u>
74	Yashraj Ravindra Dhamale	<u>Dhamale</u>	<u>Dhamale</u>
75	Yuvraj Bapu Jadhav	<u>Yuvr</u>	<u>Yuvr</u>



R.M. Gaur
NSS Programme Officer
Programme Officer
National Service Scheme (NSS)
Modern College of Pharmacy
Nigdi, Pune - 411044

P. E. S.
Principal
P. E. S. Modern College of Pharmacy
Yamunanagar, Sector No.21, Nigdi,
Pune - 411044



**MOU with AnuvaPharma
Training and Education institute,
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 : 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/MoV/2023-24/209

Date : 30/01/2024

Memorandum of Understanding

This Memorandum of Understanding is made at Pune on 30th January 2024

BETWEEN

Progressive Education Society's Modern College of Pharmacy Sector 21, Yamunanagar, Nigdi, Pune-411044, which is represented by its Principal named Dr. P. D. Chaudhari here in named as First Part,

AND

Anuva Pharma training and education institute, Pune a training and consulting partner having its registered office at Moshi, Pune, 412105, hereinafter referred to as "Anuva Pharma training and education institute, Pune " (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. The First Party is an Educational institution affiliated to the Savitribai Phule Pune University Pune.
2. Anuva Pharma training and education institute, Pune is engaged in the field of education & employability domain that provides training and consultation to students, working professionals and corporates in affordable cost structure.



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3. is willing to enter into a Memorandum of Understanding (MOU) with Anuva Pharma training and education institute, Pune 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 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 establish a national level 'CENTER FOR PHARMACEUTICAL EXCELLENCE & ANALYTICS' in association with Team Anuva Pharma training and education institute, Pune 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 Anuva Pharma training and education institute, Pune 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



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documents as per Anuva Pharma training and education institute, Pune training requirements.

- d. The College shall be responsible for establishing marketing network, reaching out to potential prospective customers like and not limited to 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. College to refrain conducting any of their training or call with the students when Anuva Pharma training and education institute, Pune training is going on. It would be their responsibility to ensure that all registered participants adhere to training schedule.
- g. To provide all the support services and facilities to Anuva Pharma training and education institute, Pune during the conduct of the said Training & Consultation Program.
- h. To coordinate with Anuva Pharma training and education institute, Pune and facilitate conduct of all the assessments including the assessment to be conducted by the external agency (if any) identified by Anuva Pharma training and education institute, Pune, as per schedule communicated by Anuva Pharma training and education institute, Pune.
- i. To provide the placement details of the students who have undergone the aforesaid training.

4. Roles & Responsibilities of Anuva Pharma training and education institute, Pune:

- a. Anuva Pharma training and education institute, Pune 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, consultations, limited access to Business optimisation tool for deployment etc. under agreed terms with prospects.



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- b. Anuva Pharma training and education institute, Pune will facilitate placement of students with their client/ customer companies in suitable positions and also recruit for any of their own requirements.
- c. Anuva Pharma training and education institute, Pune 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 Anuva Pharma training and education institute, Pune / in any of the publications without prior written consent and approval from Anuva Pharma training and education institute, Pune.

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 'X' (Anuva Pharma training and education institute, Pune): 'Y' (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:



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Certificates shall be awarded jointly by Anuva Pharma training and education institute, Pune 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 :

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


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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 entering to any agreement with any clients of Anuva Pharma training and education institute, Pune and with any competitor of Anuva Pharma training and education institute, Pune that provides similar services and also refrain from delivering similar services with in-house resources without consent of Anuva Pharma training and education institute, Pune 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.



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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.

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 Anuva Pharma training and education institute, Pune

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



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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 College Name:


(Authorized Signatory)

Name:

Designation: Principal

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

Place: Pune

Date: 30/01/2024

Stamp:



For: Anuva Pharma training and
education institute, Pune


(Authorized Signatory)

Name: Dipali Atul sawant


Designation: Chief Mentor, Anuva
Pharma training and education institute,
Pune

Place: Pune


Date: 30/01/2024.




Hands on training



Progressive Education Society's
MODERN COLLEGE OF PHARMACY, PUNE
(Permanently Affiliated to Savitribai Phule Pune University - AISHE CODE C- 42167)
(Approved by Pharmacy Council of India, Directorate of Technical Education, Mumbai, MS)
DST FIST Funded College, NAAC - A+ Grade with CGPA 3.47 and NBA Accredited



Rank  Amongst top 100 Pharmacy
College by NIRF, New Delhi

Best College Award by Savitribai Phule
Pune University, Pune

Approved under Section (2 (f) & 12 (B)
of UGC Act, 1956

Prof. Dr. P. D. Chaudhari
Principal

Prof. Dr. G. R. Ekbote
Chairman, Business Council, P.E. Society

Ref No. : mcop/mou/2023-24/339-7L

Date : 31/05/2024

Summary of Activity done under MOU

Name of concern Institute: Anuva Pharma Training and Education institute, Pune
Date of MOU: 30/01/2024 to 29/01/2029
Validity Period of MOU: 5 years

Sr no	Academic Year	Name of Activity	No of beneficiaries	Start Date	End Date
1	2023-2024	Hands on training	26	09/03/2024	28/04/2024


Dr. Pravin D. Chaudhari
Principal and Professor




MoU Incharge
Anuva Pharma Training and Education institute, Pune

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



Report on Hands-on Course in HPLC Analytical Method Development and Validation

Conducted by: QA Department of PES Modern College of Pharmacy, Nigdi in collaboration with Anuva Pharma.

Participants: F.Y and S.Y M. Pharm Students (Total-26)

Duration: 9th March 2024 – 28th April 2024 (40 hrs.)

Schedule: Saturday and Sunday

Training Faculty: Mr. Atul Sawant (Director, Anuva Pharma Training and Education Institute)

Course Overview

This hands-on training course aimed to provide F.Y and S.Y M. Pharm students with practical experience in High-Performance Liquid Chromatography (HPLC), covering essential skills in analytical method development and validation for pharmaceutical applications.

Learning Objectives

1. **Understand HPLC Principles**
 - Grasp fundamental concepts, including separation techniques, system components, and chromatographic conditions.
2. **Gain Practical Skills in HPLC Operation**
 - Acquire hands-on skills in system setup, sample preparation, and operation of the HPLC instrument.
3. **Develop Analytical Method Competency**
 - Learn to develop and optimize HPLC methods, including selection of mobile phases, columns, and other method parameters.
4. **Master Data Integration and Analysis**
 - Understand techniques for integrating chromatographic data, identifying peaks, and quantifying analytes accurately.
5. **Learn Validation Procedures**
 - Understand validation parameters such as accuracy, precision, specificity, and robustness and learn how to apply them to method validation.
6. **Perform Calibration and Troubleshooting**



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- Gain skills in calibrating HPLC instruments and troubleshooting common issues to ensure accuracy and reliability of results.

Training Schedule and Content (40 hrs.)

1. 9th March 2024 (4 hrs.) - Introduction to HPLC

- Overview of HPLC principles, separation mechanisms, detectors, and column selection.

2. 10th March 2024 (7 hrs.) - Hands-on Training of HPLC

- Practical exposure to system setup and HPLC operation, including basic data analysis.

3. 23rd March 2024 (3 hrs.) - Sample Preparation and Training

- Training on maintaining sample integrity through proper sample preparation methods.

4. 6th April 2024 (3 hrs.) - Individual HPLC Training with Sample Preparation

- One-on-one guidance for independent operation, focusing on sample handling and method precision.

5. 7th April 2024 (7 hrs.) - Doubt Clearance

- Open session to address any questions on HPLC operation, data handling, and troubleshooting.

6. 13th April 2024 (3 hrs.) - Integration of Data

- Techniques for chromatogram analysis, peak identification, and quantification.

7. 14th April 2024 and 27th April 2024 (10 hrs.) - Analytical Method Validation

- Training on method validation parameters and documentation standards for regulatory compliance.

8. 28th April 2024 (7 hrs.) - Calibration of HPLC and Troubleshooting

- Calibration techniques and troubleshooting strategies for reliable data generation.

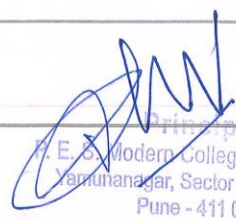
9. 4th May 2024 - HPLC Course Exam

- This session marked the culmination of the training program, where participants underwent a comprehensive exam designed to evaluate their theoretical understanding and practical proficiency in HPLC.

10. 20th July 2024 - Certificate Distribution

- After successfully completing the course and passing the exam, participants will be awarded certificates of completion during a formal distribution ceremony.




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Learning Outcomes

By the end of the course, participants:

1. Gained a Comprehensive Understanding of HPLC Principles

- Students demonstrated a solid grasp of HPLC fundamentals, system components, and separation mechanisms.

2. Acquired Proficiency in HPLC System Operation

- Participants successfully set up and operated the HPLC instrument, handling samples and performing data acquisition independently.

3. Developed Method Optimization Skills

- Students learned to adjust chromatographic conditions effectively to develop robust analytical methods.

4. Enhanced Data Interpretation Skills

- Participants became proficient in analyzing chromatograms, accurately identifying and quantifying peaks.

5. Achieved Competence in Method Validation

- Students completed validation exercises, ensuring methods met accuracy, precision, and other regulatory standards.

6. Mastered Calibration and Troubleshooting

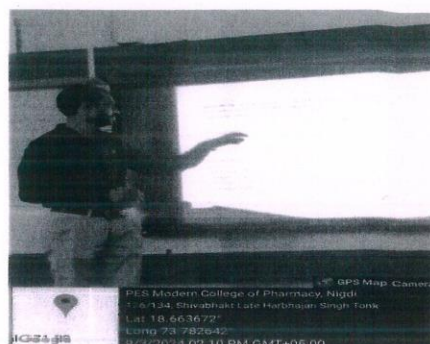
- Participants demonstrated the ability to calibrate the HPLC system and troubleshoot common operational issues effectively.



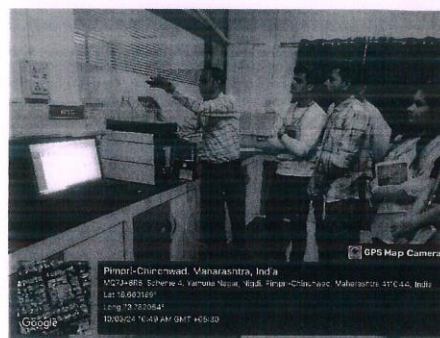
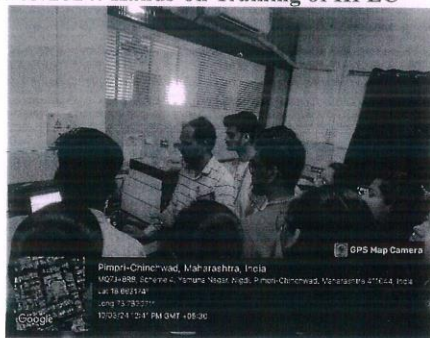

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Photos:

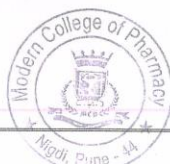
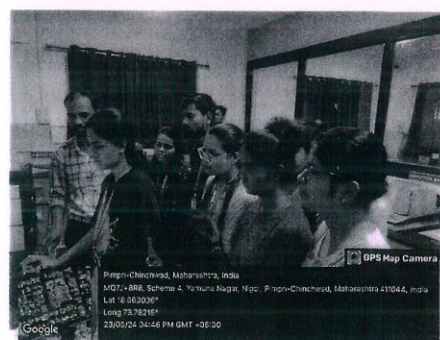
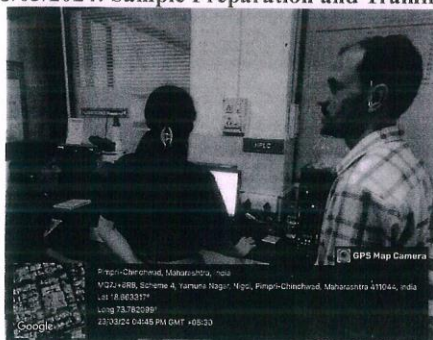
09/03/2024: Introduction to HPLC



10/03/2024: Hands-on Training of HPLC



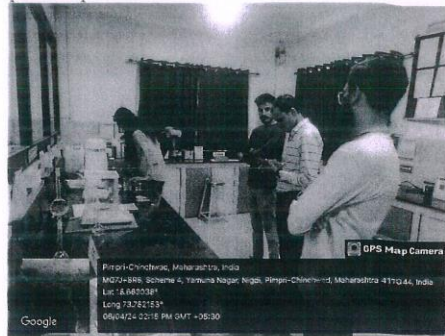
23/03/2024: Sample Preparation and Training



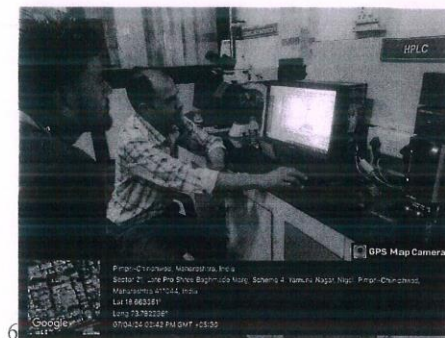
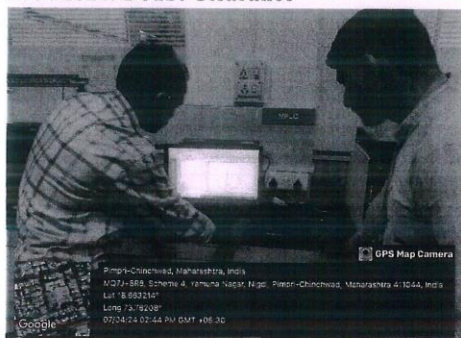
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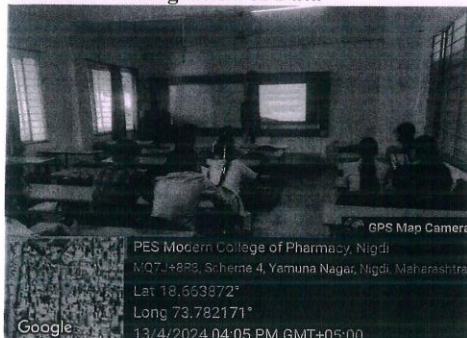
06/04/2024: Individual HPLC Training with Sample Preparation



07/04/2024: Doubt Clearance



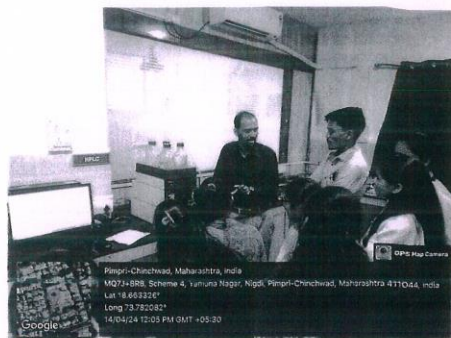
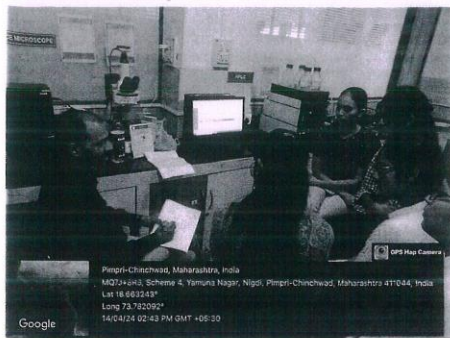
13/04/2024: Integration of Data



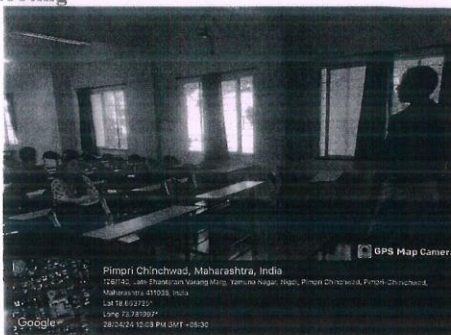
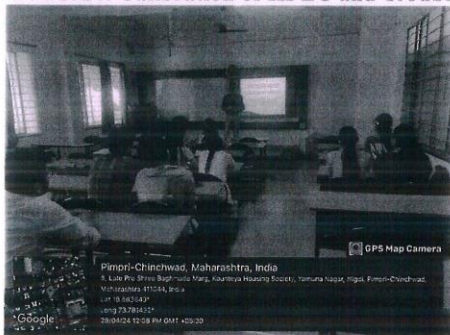

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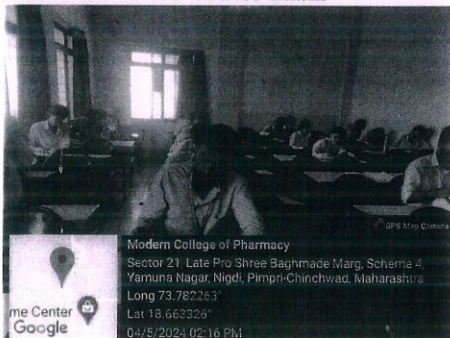
14/04/2024: Analytical Method Validation



28/04/2024: Calibration of HPLC and Troubleshooting



04/05/2024: HPLC Course Exam



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20/07/2024: Certificate Distribution



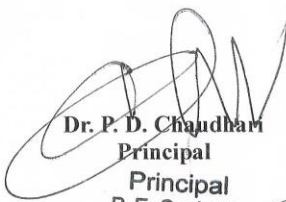
Conclusion


This comprehensive training course equipped students with essential skills in HPLC analytical method development and validation, bridging theoretical knowledge with practical experience. The QA department, in collaboration with Anuva Pharma, provided an invaluable opportunity for students to enhance their competencies, preparing them for future roles in pharmaceutical analysis and quality assurance.


Ms. A. V. Malusare
Course Co-ordinator


Dr. K. S. Shaikh
Course Co-ordinator




Dr. P. D. Chaudhari
Principal
Principal
P. E. Society's
Modern College of Pharmacy
Yamunanagar Sector No. 21
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Pune - 411 044



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HPLC Analytical and Method Development Course

Attendance Sheet

Date: 9/3/2024

Sr. No.	Name of Student	Contact No.	Sign of Student
1.	Aishwarya Sunil Pandit	7588240530	<i>Aishwarya</i>
2.	Yogita Ganpat Dighe	8459493397	<i>Yogita</i>
3.	Nagesh Wadikar	6360985873	<i>Nagesh</i>
4.	Sakshi Dhamal	7666856486	<i>Sakshi</i>
5.	Sanket Rajendra Bora	7972504988	<i>Sanket</i>
6.	Hardika Patel	9168975751	<i>Hardika</i>
7.	Smita Madhav Warade	8600069586	<i>Smita</i>
8.	Nikita Satyawar salunke	9011558104	<i>Nikita</i>
9.	Shweta Rajendra Jagtap	8637780559	<i>Shweta</i>
10.	Nitin Sham Pawar	8552806017	<i>Nitin</i>
11.	Vedika Narendrasing Salame	8788260845	<i>Vedika</i>
12.	Mukund Appasaheb Salunke	9307400542	<i>Mukund</i>
13.	Satyajit Ram Phalake	9527021081	<i>Satyajit</i>
14.	Sargar Lalit Rajaram	9552012054	<i>Sargar</i>
15.	Shejal Kailas Wakade	9423802972	<i>Shejal</i>
16.	Anuja Haridas Pachphule	7767889150	<i>Anuja</i>
17.	Tushar Kshirsagar	9527542506	<i>Tushar</i>
18.	Pradnya Rajesh Waman	8421391074	<i>Pradnya</i>
19.	Suraj Rajendra Lobhe	7264949691	<i>Suraj</i>
20.	Dhanashree Santosh Rathi	8605204917	<i>Dhanashree</i>
21.	Pratiksha Laxman Raut	7448005083	<i>Pratiksha</i>
22.	Varsha Sunil Pawar	9607454496	<i>Varsha</i>
23.	Damini Pradeep Shinde	8308008759	<i>Damini</i>
24.	Rutuja Satish Sonawane	8007486864	<i>Rutuja</i>
25.	Komal Jotiram Doifode	7821970873	<i>Komal</i>
26.	Hemant Vijay Bhoi	7498292330	<i>Hemant</i>



[Signature]
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Pune - 411 044



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

HPLC Analytical and Method Development Course

Attendance Sheet

Date: 28/4/24

Sr. No.	Name of Student	Contact No.	Sign of Student
1.	Aishwarya Sunil Pandit	7588240530	<i>Aishwarya</i>
2.	Yogita Ganpat Dighe	8459493397	<i>Yogita</i>
3.	Nagesh Wadikar	6360985873	<i>Nagesh</i>
4.	Sakshi Dhamal	7666856486	<i>Sakshi</i>
5.	Sanket Rajendra Bora	7972504988	<i>SB</i>
6.	Hardika Patel	9168975751	<i>Hardika</i>
7.	Smita Madhav Warade	8600069586	<i>Smita</i>
8.	Nikita Satyawar salunke	9011558104	<i>Nikita</i>
9.	Shweta Rajendra Jagtap	8637780559	<i>Shweta</i>
10.	Nitin Sham Pawar	8552806017	<i>Nitin</i>
11.	Vedika Narendrasing Salame	8788260845	<i>Vedika</i>
12.	Mukund Appasaheb Salunke	9307400542	<i>Mukund</i>
13.	Satyajit Ram Phalake	9527021081	<i>Satyajit</i>
14.	Sargar Lalit Rajaram	9552012054	<i>Sargar</i>
15.	Shejal Kailas Wakade	9423802972	<i>Shejal</i>
16.	Anuja Haridas Pachphule	7767889150	<i>Anuja</i>
17.	Tushar Kshirsagar	9527542506	<i>Tushar</i>
18.	Pradnya Rajesh Waman	8421391074	<i>Pradnya</i>
19.	Suraj Rajendra Lobhe	7264949691	<i>Suraj</i>
20.	Dhanashree Santosh Rathi	8605204917	<i>PT Rathi</i>
21.	Pratiksha Laxman Raut	7448005083	<i>Pratiksha</i>
22.	Varsha Sunil Pawar	9607454496	<i>Varsha</i>
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24.	Rutuja Satish Sonawane	8007486864	<i>Rutuja</i>
25.	Komal Jotiram Doifode	7821970873	<i>Komal</i>
26.	Hemant Vijay Bhoi	7498292330	<i>Hemant</i>



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



MOU with PreClinBio Solutions LLP, Pune



MEMORANDUM OF UNDERSTANDING

THIS AGREEMENT, entered in to this 30th Dec 2023, by and between Progressive Education Society's Modern College of Pharmacy, Sector -1, YamunaNagar, Nigdi, Pune-411044 and PreClinBio Solutions LLP Pune-411041.

WITNESSETH THAT:

WHEREAS, Progressive Education Society's Modern College of Pharmacy, Sector -1, YamunaNagar, Nigdi, Pune-411044 and PreClinBio Solutions LLP Pune-411041.

desire to promote the enrichment of their teaching and learning. Research and discovery and engagement missions; and

Progressive Education Society's Modern College of Pharmacy, Sector -1, YamunaNagar, Nigdi, Pune-411044

desire to strengthen and expand the mutual contacts between the two organizations; and

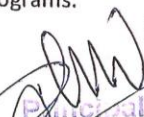
WHEREAS, Progressive Education Society's Modern College of Pharmacy, Sector -1, YamunaNagar, Nigdi, Pune-411044.

desire to provide for a vibrant collaboration between the two organizations on the terms and conditions hereinafter set forth;

NOW THEREFORE, it is mutually agreed as follows:

- I. **Scope of Agreement** - The Agreement, shall include, but not be limited to, the following types of collaboration:
 - A. Seek mutual advice and support in planning and executing programs promoting excellence in respective areas of research and education.
 - B. Assist in Student, Teacher Training.
 - C. Placement assistance.
 - D. Collaborative Research and Discovery, Learning and Teaching, and Engagement.
 - E. Encourage the faculty members and scientist of either institute to attend lectures, seminars, workshops and conferences in the respective areas of interest.
 - F. Share the library and scientific literature facilities mutually by giving access to library and other resources of either institute to the scientist/students/research personnel of other institute.
 - G. Other mutually agreed educational programs.




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



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



- II. **Definitions** – As used herein the terms “host organization” and “home organization” shall have the following meanings
- A. Host organization – the organization accepting the faculty member/scientist or student.
- B. Home organization – the organization providing the faculty member/scientist or student.
- Period of Agreement – This MOU shall remain in force for **three years** from the date of the last signature. Prior to the expiration date, this agreement may be reviewed for possible renewal for a further three-year period. Either party may terminate this MOU by providing 60 days advance written notice to the other party.
- III. In this case. Personnel already participating in the exchange shall serve out their terms under the conditions specified at the time of their appointment.
- IV. **Activities Under This Agreement** – It is expected that activities taking place under this agreement will be initiated primarily in coordination with their respective administrative units concerned with such activities. All activities undertaken must conform to the policies and procedures in place at each institution.
- V. **Planning and Management of Activities** – Each distinct collaboration program or activity will be described in separate Activity Agreement drawn up jointly by the collaborating units, and signed by the heads of these units. Such agreements will specify the names of those individuals on each institution responsible for the implementation of the program.
- VI. **Funding of Activities** - Activity Agreement's should make financial costs and obligations explicit. Collaborating units are encouraged to work together to identify and secure any outside funding which may be needed. Projects requiring funding must be approved by both institutions.
- VII. **Limitation and Warranties:**
- Each party shall ensure that the other is not put to any liability for any act of the respective party under this MoU.
 - Each party represents that they have full power and authority to enter into this MOU in general.



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



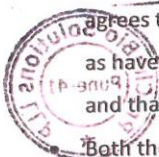


VIII Commercials:

The training, field visit shall be conducted at the host facility in a time bound manner as per availability and schedule at host facility.

IX General:

- Both the parties may receive information proprietary to other party (the "Confidential Information") in the course of performance of their obligations under this MOU. Confidential Information is not meant to include any information which (a) is publicly available (b) is rightfully received by the parties from third parties without accompanying secrecy obligations; (c) is already in either party's possession and was lawfully received from sources other than the parties or (d) is independently developed by the parties. The two bodies understand and acknowledge that the Confidential Information is valuable and confidential and agrees that it will at all times be kept in trust, to be disclosed only to such persons as have a "need to know" the same for the effective implementation of this MOU and that it will only be used by the parties for the benefit of others.



- Both the parties understand and agrees that all written or other tangible data and documentation developed or procured by the other party in performing its obligations under this MOU, whether in printed or electronic form, belongs to other party and that other party will have all rights, title, and interest therein.
- Both parties shall not use the name and brand of the other party in any advertisement or make any public announcement without the prior written approval of the other.
- Any and all disputes or differences arising out of or in connection with this MoU or its performance shall, so far as it is possible, be settled by negotiations between the Parties amicably through consultation & understanding.



X. Indemnification:

Both the parties shall indemnify and hold each other harmless from and against any claim, loss, liability, or expense, including, but not limited to, damages, patent and trademark infringement, costs and attorneys' fees, arising out of or in connection with any acts or omissions of their agents or employees.



P. E. S. Modern College of Pharmacy
Sector 10-21, Yashwananagar, Nigdi,
Pune - 411 044.



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Nondiscrimination – Progressive Education Society's Modern College of Pharmacy, Sector - 1, YamunaNagar, Nigdi, Pune-411044.

XI. agree that no person shall on the grounds of race, color, national origin, gender, sexual orientation, or creed be excluded from participation under the terms of this Agreement.

XII Modification – The terms of this Agreement may be changed or modified only by written amendment signed by authorized agents of the parties hereto.

IN WITNESS THEREOF, Progressive Education Society's Modern College of Pharmacy, Sector -1, YamunaNagar, Nigdi, Pune-411044 and PreClinBio Solutions LLP Pune-411041.

have executed this Agreement as of the date first above written.

Progressive Education Society's Modern College
of Pharmacy, Sector -1, YamunaNagar, Nigdi,
Pune-411044

PreClinBio Solutions LLP Pune

AUTHORIZED SIGNATORY NAME:

DESIGNATION: Principal

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

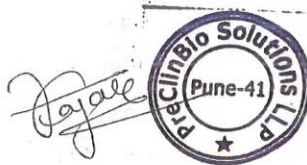
Date: 30/12/2023



AUTHORIZED SIGNATORY NAME:


DESIGNATION:

Date: 30/12/2023







Guest Lecture



Progressive Education Society's
MODERN COLLEGE OF PHARMACY, PUNE
(Permanently Affiliated to Savitribai Phule Pune University - AISHE CODE C- 42167)
(Approved by Pharmacy Council of India, Directorate of Technical Education, Mumbai, MS)
DST FIST Funded College, NAAC - A+ Grade with CGPA 3.47 and NBA Accredited



Rank  Amongst top 100 Pharmacy
College by NIRF, New Delhi

Best College Award by Savitribai Phule
Pune University, Pune

Approved under Section (2 (f) & 12 (B)
of UGC Act, 1956

Prof. Dr. P. D. Chaudhari
Principal

Prof. Dr. G. R. Ekbote
Chairman, Business Council, P.E. Society

Ref- No. : mcpj moul 2023-24 | 339-7 m

Date : 31/05/24

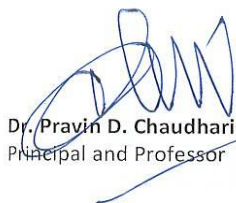
Summary of Activity done under MOU

Name of concern Institute: PreClin Bio Solutions LLP, Pune

Date of MOU: 30/12/2023 to 29/12/2026

Validity Period of MOU: 3 years

Sr no	Academic Year	No of activity	Name of Activity	No of beneficiaries	Start Date	End Date
1	2023-2024	01	Guest Lecture	60	01/04/2024	01/04/2024


Dr. Pravin D. Chaudhari
Principal and Professor




MoU Incharge
PreClin Bio Solutions LLP, Pune

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Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044. Maharashtra

• Tel. : 020 - 27661314 / 15 • E-mail : mcpnigdi44@gmail.com • Website : www.mcop.org.in

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

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Progressive Education Society's
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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

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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: 29/03/2024

Notice

Modern College of Pharmacy, Nigdi, Pune has scheduled the Guest Lecture for

M. Pharm. (All Departments) and Pharm D. Students on Tuesday 01/04/2024 11:30 am on the topic:

"Understanding Pre-clinical variables during sample collection and basics of Biochemistry"

Following are the details of Guest Lecture: -

Seminar Session will be Offline at Digital Classroom.

Guest Details are as:

Mr. Vinod Kalje

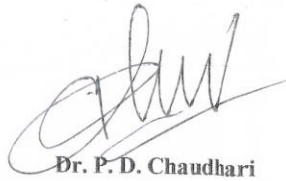
Director,

Preclin Bio Solutions, Pune


Dr. S. S. Pimple

Professor (Department of Pharmaceutics)




Dr. P. D. Chaudhari

Principal

Principal

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

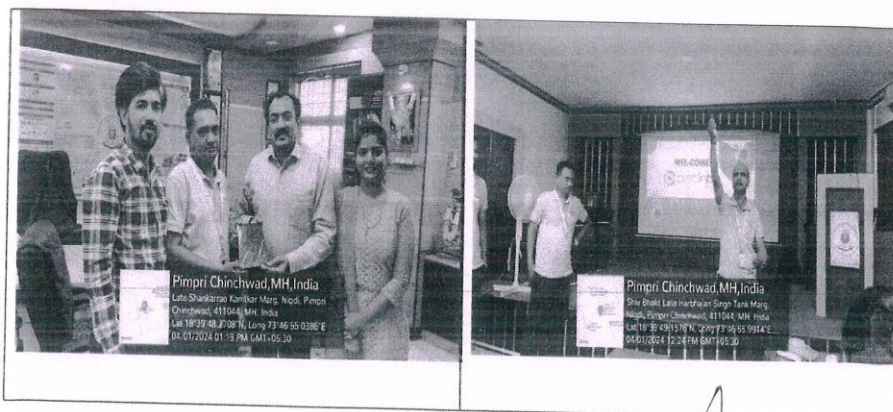
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P. E. Society's
Modern College of Pharmacy, Nigdi, Pune-44

1.	Topic:	Understanding Pre-clinical variables during sample collection and basics of Biochemistry
2.	Day & Date	Thursday, 01-04-2024
3.	Time	11.00 am to 1.00pm
4.	Total no students participate	60
5.	Guest Speaker name, designation and contact number.	Mr. Vinod Kajale Director, PreclinBio Solutions LLP, Pune Contact: 9561050643 / 9021265670.
6.	Place of activity	MCOP, Nigdi Pune.
7.	Activity co-coordinator	Dr. S. S. Pimple

Photos of activity



Dr. S. S. Pimple
Guest Lecture In-Charge



Dr. P. D. Chaudhari
Principal

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



P. E. Society's
Modern College of Pharmacy, Nigdi, Pune.
Academic Year 2023-24

Date: 01/04/2024

Attendance sheet

Modern College of Pharmacy, Nigdi has arranged Seminar on
"Understanding Pre-clinical variables during sample collection and basics of
Biochemistry"

Sr.No	Name of the Students	Class	Department	Signature
1.	Utkarsha Patil	M Pharm	P'cology	U Patil
2.	Sumit Kshirsagar	M pharm	P'cology	si
3.	Lokesh R. Patil	M. Pharm	P'cology	Patil
4.	Priyanka Khankar	M. Pharm	P'cology	Khankar
5.	Gaikwad Shiras	M. Pharm	P'cology	Gaikwad
6.	Mohit Gore	M. Pharm	P'cology	M Gore
7.	Rikesh Phommaj Dighe	M. Pharm	P'cology	R Dighe
8.	Pragatishwar B. Bormale	M. Pharm	P'cology	P Bormale
9.	Sakshi. P. Thakore	M. Pharm	P'cology	S Thakore
10.	Bhaware Priya Rekya	M. Pharm	P'cology	Bhaware
11.	Soniya Sadashiv Hajare	M. Pharm	P'cology	S Hajare
12.	Samiksha C. Benke	M. Pharm	P'cology	S Benke
13.	Anushri Deshpande	M. Pharm	P'cology	A Deshpande
14.	Mihir Paware	M. Pharm	P'cology	M Paware
15.	Sudat Lohhe	M. Pharm	P'cology	S Lohhe
16.	Latit Sargode	M. Pharm	P'cology	L Sargode
17.	Hardika Patel	M. Pharm	P'cology	H Patel
18.	Nikita Salunke	M. Pharm	P'cology	N Salunke
19.	Dhanashree Patil	M. Pharm	P'cology	D Patil



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Pune - 411 044



Criteria 3: Research, Innovations and Extension



20.	Sami Ksha patokar	M.pharm	chemistry	SP
21.	Akansa patil	M.pharm	chemistry	AP
22.	Vaishnavi More	M.pharm	Phceutics	VMore
23.	Pooja Salajar	M.pharm	Phceutics	Psalar
24.	Shubham Deshpande	M.pharm	Phceutics	Deshpande
25.	Nitin Bhand	M.pharm	Phceutics	NB
26.	Animesh patil	M.pharm	Phcology	APatil
27.	Sarshi Souwane	M.pharm	Phceutics	Souwane
28.	Kalyani Gotkar	M.pharm	Phceutics	Kgotkar
29.	Divya Dharmakar	M.pharm	Phceutics	DV
30.	Sneha Jadhav	M.pharm	Phceutics	SJ
31.	Visha Vade	M.pharm	Phceutics	VVade
32.	Rashika Baburkar	M.pharm	Phceutics	RB
33.	Pranjita Jaktap	M.Pharm	Phcology	PJaktap
34.	Snehal Kasture	M.Pharm	Phcology	SK
35.	Shakuntala Kawale	M. Pharm	Phcology	SKawale
36.	Varmani Aditya	M.Pharm	Phcology	VA
37.	Rohan Kore	M. Pharm	Phcology	RK
38.	Satyajit Phalke	M. Pharm	Phchem	SPhalke
39.	Omkar Makey	M.pharm	chemistry	OMakey
40.	Rahul Gambhre	M.pharm	Phassurance	RG
41.	Krishna Halne	M.pharm	Phceutics	KHalne
42.	Ajay Patanjali	M.pharm	Phassurance	APatanjali
43.	Pavan Nankhore	M.pharm	Phassurance	PN
44.	Renuka	M.pharm	PhA	RZarekar



P. E. S. Modern College of Pharmacy
Yamunanagar, Sector No.21, Noida



45.	Neha Shegokar	M.pharm	QA Assurance	NSI
46.	Aditya Chonjide	M.pharm	QA	AGZ
47.	Rutuja Sonawane	M.pharm	QA	R.Sonawane
48.	Yogita Durge	M.pharm	QA	Y.Durge
49.	Komal Doifode	M.pharm	Chemistry	K.Doifode
50.	Pratiksha Magar	M.pharm	Chemistry	P.Magar
51.	Sakshi Dhamel	M.pharm	Chemistry	S.Dhamel
52.	Shejal Wakade	M.pharm	Chemistry	S.Wakade
53.	Aishwary Paudit	M.pharm	Chemistry	A.Paudit
54.	Purni Vernekar	M.pharm	Pharmacology	P.Ve
55.	Anjali Gaikwad	M.pharm	Pharmacology	A.Gaikwad
56.	Modhuri Ganjuli	M.pharm	Pharmacology	M.Ganjuli
57.	Shraddha Tilke	M.pharm	Pharmacology	S.Tilke
58.	Fiza Shaikh	M.pharm	Pharmacology	Fiza
59.	Trupti Gadhave	M.pharm	Pharmacology	T.G.
60.	Pallavi Hake	M.pharm	Pharmacology	P.Hake
61.	Dooja Ngalkpur	M.pharm	Chemistry	D.N.
62.	Affia Biradar	M.pharm	Pharmacology	Affia
63.	Mowini Jadhav	M.pharm	Pharmacology	M.Jadhav
64.	Harshali Dishware	M.pharm	Pharmacology	H.Dishware
65.				

[Signature]

Dr. S. S. Pimple

Professor (Department of Pharmaceutics)



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Yashwanagar, Sector No.21, Nigdi,
Pune - 411 044



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M.Pharm., Ph.D.
Principal

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

MCP/INV/2023-24/294-1

Date: 29/03/2024

To,

Mr. Vinod Kajale
Director,
PreclinBio Solutions, Pune

Subject: Invitation as a guest for lecture.

Respected Sir,

Our college is one of the renowned institutes in offering pharmacy education in Nigdi, Pune region conducting B. Pharm, M. Pharm & Pharm D courses. I take this opportunity to invite you as guest for lecture to our students and will be highly obliged if you accept our invitation.

I request you to kindly convey the date and time according to your convenience for the same.

Thanking you,

Yours truly,

Dr. P. D. Chaudhari
Principal



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

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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/2023-24/294

Date :

Date: 01/04/2024

To,

Mr. Vinod Kajale

Director,

PreclinBio Solutions LLP,

Pune

Subject: Thanking Letter

Dear Sir,

We feel honored to have you as a resource person for one day workshop on
"Mastering Serum Biochemistry: Navigation Preclinical variables in sample collection
and analysis". It was really extraordinary. Our students must have benefited by the same.

We are highly obliged as you spent your valuable time and shared your knowledge. Your
presence has added value to our institute. We are sure that your valuable assistance will always be
with us in future.

Looking forward for the same cooperation in future.

Thanking You,

Yours Truly,

Received
We



Dr. P. D. Chaudhari
Principal

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

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