

**Innovations in Effective
Teaching,
Learning Pedagogy &
Research Skill Development**

Online STTP SLOT I

17th March, 2021 to 23rd March, 2021

Programme Co-ordinator

Dr. V. V. Chopade

P. E. Society's Modern College of
Pharmacy, Nigdi, Pune 44. AICTE
sponsored STTP Slot I Date:17.3.2021 to
23.3.21 FEEDBACK FORM

Your feedback is important for evaluating the effectiveness of this program and for
planning future programmes. Please rate the following aspects of the STTP

* Required

1. Email *

AICTE sponsored STTP



Dr. V. V. Chigade

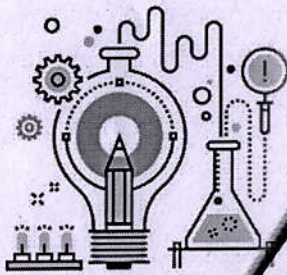
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Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

All India Council for Technical Education (AICTE)
Sponsored
Short Term Training Program
(STTP)



Title:
Innovations in Effective Teaching,
Learning Pedagogy &
Research Skill Development



Dates:

Slot -I: 17th March 2021 to 23th March 2021

Slot -II: 05th April 2021 to 10th April 2021

Slot -III: 19th April 2021 to 24th April 2021

(Register for any one slot)

Organized By



Progressive Education Society's

Modern College of Pharmacy

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URL : www.mcop.org.in, Email - mcopnigdi44@gmail.com



www.mcop.org.in

2. Name of Participant *

3. Registration No in STTP *

4. Designation *

5. Name of Institute/College *

6. Contact Number *

Feedback about the
speakers

Please rate the speakers. Kindly select any one option. 1: Poor, 2: Fair,
3: Good, 4: Outstanding

7. 1. Kindly rate the speakers for their presentation content, delivery and response to questions. *

Mark only one oval per row.

	1	2	3	4
Dr. Md. Salahuddin	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Prof. Sunil Chiplunkar	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Dr. Munir Ahmed	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Dr. V. Gopal	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Dr. Remeth Dias	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Dr. Bhushan Pimple	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Dr. Arun Jangda	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Dr. Seema Damle	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Dr. Sharad Wakode	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Dr. M. S. Ganachari	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Dr. Prashant Argade	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Dr. Mrs. K. S. Shaikh	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Dr. Hema Chaudhary	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Dr. Sachin Agawane	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Feedback about the
Programme

Please rate the programme. Kindly select any one option.

8. 2. Kindly rate the programme. 1: No opinion, 2: Disagree , 3: Agree, 4: Strongly Agree *

Mark only one oval per row.

	1	2	3	4
The STTP was worth my time	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The length of STTP was appropriate	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The STTP was relevant and added value to my profession	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

9. 3. Kindly rate the programme. 1: Poor 2: Fair 3: Good, 4: Outstanding *

Mark only one oval per row.

	1	2	3	4
The ideas, concepts and programme content were	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The overall organization of the programme was	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

10. 4. Would you like to attend more such events in future?

Mark only one oval.

Yes

No

11. 5. Any comments or suggestions for improvement

12. 6. Please suggest topics for future seminar/conference/STTP/FDP *

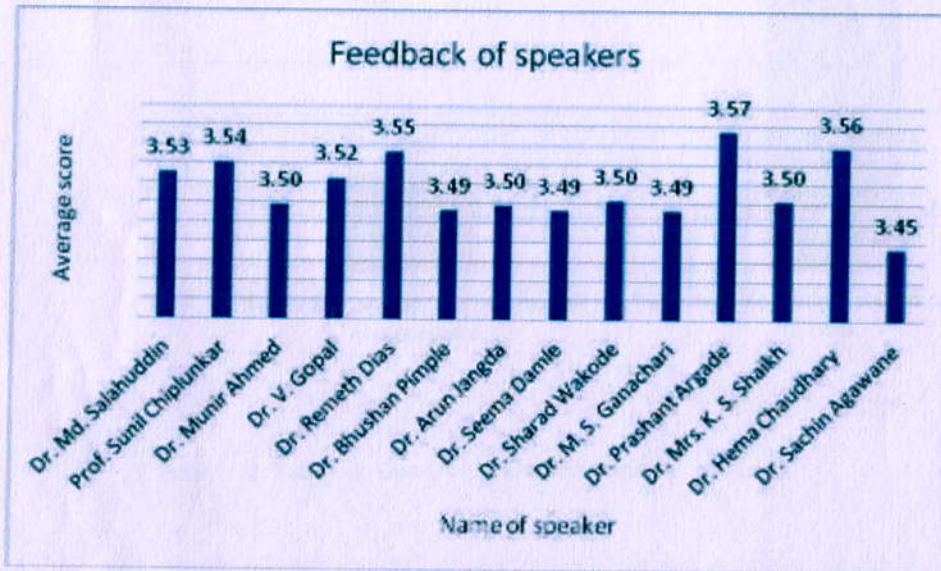
**AICTE Sponsored STTP on
 “Innovations in effective teaching, learning pedagogy and research skill development”
 Slot I; Date: 17th March to 23rd March 2021**

**Organized by
 P.E. Society’s Modern College of Pharmacy, Sector 21, Yamunanagar, Nigdi, Pune-411044
 Feedback report**

The feedback regarding the program was collected through online google form. The following aspects of the STTP program were included in the feedback form:

Sr. No.	Seminar aspect	Parameter	Scoring
1.	Feedback about speaker	Kindly rate the speakers for their presentation content, delivery and response to questions.	1: Poor 2: Fair 3: Good 4: Outstanding
2.	Feedback about the programme	The programme was worth my time	1: No opinion 2: Disagree 3: Agree 4: Strongly Agree
		The length of the programme was appropriate	
		Programme was relevant and added value to my profession	
3.	Feedback about organization of the programme	The overall organization of the conference was	1: Poor 2: Fair 3: Good 4: Outstanding
		The ideas, concepts, and program content were	

1. Feedback about speakers:



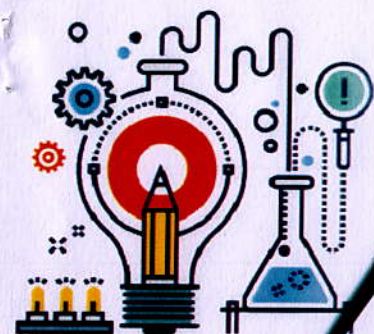
1: Poor 2: Fair 3: Good 4: Outstanding

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Short Term Training Program
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Title:

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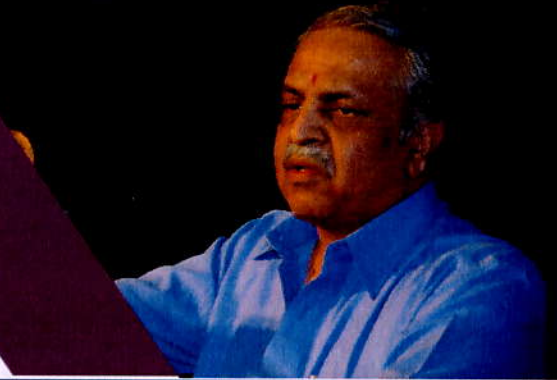
URL : www.mcop.org.in, Email - mcopnigdi44@gmail.com



CHIEF PATRON

Dr. Prof. G. R. Ekbote

Chairman, Business Council,
Progressive Education Society, Pune



PATRONS

Prof. S. S. Deshmukh, Secretary, Progressive Education Society, Pune
Prof. J. G. Ekbote, Joint Secretary, Progressive Education Society, Pune
Prof. Suresh Todkar, Joint Secretary, Progressive Education Society, Pune
Mr. S. D. Inamdar, Dy. Secretary, Progressive Education Society, Pune
Dr. Suhasini Itkar, Visitor, Modern College of Pharmacy, Nigdi, Pune



CONVENER



Dr. Pravin D. Chaudhari

Professor & Principal, P. E. Society's, Modern College of Pharmacy, Nigdi, Pune - 411 044
President, APTI (Central) &
Former Dean, Faculty of Pharmaceutical Sciences, Savitribai Phule Pune University, Pune



Dr. M. T. Harde
Coordinator



Dr. V. V. Chopade
Coordinator-slot-I



Dr. B. P. Pimple
Coordinator-slot-II



Dr. A. A. Phatak
Coordinator-slot-III



Technical Support Committee

Prof. S. Y. Chaudhari
Prof. D. L. Visokar
Dr. N. B. Parihar



Programme Monitoring Committee

Dr. K. S. Shaikh
Dr. U. C. Galgatte
Dr. S. S. Nipte



Registration Committee

Dr. P. S. Kore
Prof. S.V. Patil
Dr. P. R. Kela

Email for Technical Support: sttpmcop@gmail.com,

Mobile no: Dr. V V Chopade -9545452767, Dr B P. Pimple- 9970830030, Dr A. A. Pathak-9822449380

ABOUT THE SOCIETY

Progressive Education Society was established in the year 1934 by Prof. Shankarraoji Kanitkar, who was a veteran teacher and a social worker. The society was established with an aim to provide education to all sectors of the community. Today, P. E. Society is headed by Hon. Dr. G. R. Ekbote who is the Chairman of Business Council of Progressive Education Society. Under his able guidance, P. E. Society is running 62 Institutes including schools, colleges and technical institutions imparting quality education from K. G. to Ph. D in the field of Pharmacy, Engineering, Law, Education, Agricultural Biotechnology, Management, Arts, Commerce and Science etc. The society is committed for the cause of the community since its inception.

ABOUT THE COLLEGE

Modern College of Pharmacy was established in 1998 by P. E. Society at Yamunanagar, Nigdi in the close proximity of the industrial belt of Pimpri - Chinchwad. The name of Society and that of our college typifies the Society's mission to be "Progressive" in education and "Modern" in technical knowledge. The college has carved out a special niche for imparting quality education in pharmacy. Our College is approved by Government of Maharashtra (DTE), All India Council for Technical Education (AICTE) and Pharmacy Council of India. It is permanently affiliated to Savitribai Phule Pune University. College is accredited by UGC & NAAC and recognized under section 2f and 12(B) of UGC act 1956, New Delhi. Under the able leadership of Principal Dr. P. D. Chaudhari, college offers B. Pharmacy, Pharm. D, M. Pharmacy (Pharmaceutics, Pharmaceutical Chemistry, Pharmacology & Pharmaceutical Quality Assurance) and Ph. D in Pharmaceutical sciences. The college has secured All India Rank in top 75 colleges in pharmacy category by National Institutional Ranking Framework by Ministry of Human Resource Development Government of India New Delhi from last 3 years. The college has been awarded platinum grade rank in CII survey by AICTE New Delhi from last 3 years. The college has been awarded as "Best College in Professional Colleges' Category" by Savitribai Phule Pune University in 2015-2016.

SCOPE & OBJECTIVES OF SHORT TERM TRAINING PROGRAMME (STTP)

- To provide High quality learning programmes and enable faculty to significantly widen and develop their pedagogical skills
- To focus on advocating teaching and learning strategies as recommended by the New Education policy with relevance to pharmacy education.
- To educate teachers to apply multiple strategies to teach students, enhance their skills and abilities and create mastery in the art of teaching.
- To encourage metacognition and help to increase teachers reflection in classroom.
- It will help the teachers to keep abreast with the latest developments in the teaching learning methodologies

REGISTRATION AND PARTICIPATION

- All teachers at college and University level, Teachers Educators, Researchers, Curriculum developers, Supporting technical and administrative staff in areas of technical education in AICTE approved institutions are eligible to participate
- It is online programme for a duration of six days (For each slot)
- Certificate will issued to only those participants who attended the programme and qualified in the test (min 60 % marks)

Registration Charges: Nil



All India Council for Technical Education (AICTE)

Sponsored

Innovations in Effective Teaching, Learning Pedagogy & Research Skill Development

Organized By

Progressive Education Society's

Modern College of Pharmacy, Nigdi Pune-44

Dates

Activity	Slot-I	Slot-II	Slot-III
STTP Dates	17/03/2021to 23/03/2021	05/04/2021to 10/04/2021	19/04/2021to 24/04/2021
Last date for Application	10/03/2021	15/03/2021	20/03/2021
STTP Schedule	11.00 a.m. Onwards	11.00 a.m. Onwards	11.00 a.m. Onwards
Registration link	https://forms.gle/X7u6nG7fYPesketc6	https://forms.gle/pMpubu8shi86VZyt9	https://forms.gle/VeD5kKaWbkuLV3cX9

Important note

Telegram link https://t.me/joinchat/RWOLwF_xh2ZjNjJl

1. Interested Candidate/Participant have to fill and complete online registration form
2. Participant need to join telegram group for further information..
3. Confirmation will be send on first come first basis

Achievements of Modern College of Pharmacy, Nigdi, Pune -44

1. Accredited by NAAC and NBA
2. Received "Best College Award" by Savitribai Phule Pune University in 2015-16
3. Ranked amongst top 75 pharmacy colleges in India consecutively for last 3 years by NIRF, Govt. of India
4. Received Platinum Grade consecutively for last 3 years in CII Survey conducted by AICTE, New Dehli
5. Garnered Research Funds of Rs. 1.84 Crores from various national and International Funding Agencies
6. Received "Best College Award for NSS Activities" by Savitribai Phule Pune University in 2011-12

Approvals & Recognitions



A

Completion Report of AICTE sponsored
Short Term Training Programme (STTP) Slot-I

organized by

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

Title: on Innovations in effective teaching, learning pedagogy and research
skill development

Duration Slot 1 - 17/03/2021 to 23/03/2021

Submitted By

Programme Cordinator



Principal

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

SCHEDULE OF STTP: SLOT-I (17/03/2021 to 23/03/2021)

SN	Date	Time	Name	Organization/Institution Name	Topics	
1	Day -1 17/03/2021	9:45 to 9:50 am	Participants will join the session			
		9:50 to 10:00 am	Dr. V V Chopade	Associate Professor PES Modern College of Pharmacy Nigdi Pune-44	Well come and objectives of STTP	
		10:00 to 10:05 am	Dr P. D. Chaudhari	Professor and Principal PES Modern College of Pharmacy Nigdi Pune-44	About institutions and overview of STTP	
		10:05 am to 10:25 am	Dr Rajendra Kakde	Adviser- I (Approval Bureau) (AICTE), All India Council for Technical Education New	Key note address and Schemes of AICTE for teachers	
		10:30 am to 11 :30 .am	Dr MD Salahuddin	Principal & Professor at Farooqia College of Pharmacy Mysuru- India	Innovations in Life Sciences & Newer technologies; The Future Evolving Roles of Pharmacist	
		11:30 am to 12:30 pm	Prof. Sunil S Chiplunkar	Vice- President – Business Development, Group Pharmaceuticals,	Delivering superior learning experiences: a need today's	
Feedback and Quiz of day 1						
2	Day-2 18/03/2021	11 am to 12 noon	Dr. Munir Ahmed	Professor, Government Homeopathic Medical College, Bengaluru	Innovative Pedagogical Approaches and Paradigm shift in Teaching-Learning Process	

		12 noon to 1 pm	Dr. V. Gopal	Principal, Govt. College of Pharmacy, Puducherry	Innovations in research skills development	
		08 pm to 10 pm	Feedback and Quiz of day 2			
3	Day -3 19/03/2021	11 am to 12 noon	Dr. Remeth Dias	Professor at Head Govt Institute of Pharmacy (Diploma), Karad, MS	Innovative teaching technique: A excellent digital platform	
		12 noon to 1 pm	Dr. Bhushan Pimple	HOD Dept of Pharmacognosy PES Modern college of Pharmacy Nigdi	Animation for Effective Content Delivery	
		3 pm to 4 pm	Dr. Arun Jangda	Associate Director, Takeda Pharmaceuticals Parkway, Deerfield, IL USA	Research-Education system in India and USA: Its need for today's researchers	
		08 pm to 10 pm	Feedback and Quiz of day 3			
4	Day-4 20/03/2021	11 am to 12 noon	Dr Seema Damle	Principal Modern college of Education Shivaji Nagar Pune.	Collaborative and Co-operative Learning in Choice based credit system	
		12 noon to 1 pm	Dr Sharad Wakode	Professor, Dept of Pharm chemistry, DIPSAR, Govt. of NCT of Delhi, New Delhi	Layout of research plan for teachers	
		8 pm to 10 pm	Feedback and Quiz of day 4			

5	Day-5 22/03/2021	11 am to 12 noon	Dr. M. S. Ganachari	Dean, Faculty of Pharmaceutical Sciences KLE Academy of Higher Education and Research, Belgaon	Blending the technologies for qualitative learning through flip class room
		12 noon to 1 pm	Dr. Prashant Aragade	Sr. Lecturer in Pharmacy, Pharmacy Department, Government Polytechnic, Jalgaon, Maharashtra	Effective Implementation of Flipped Classroom Model
		3 pm to 4 pm	Dr. K. S. Shaikh	Professor & HOD (QAT) Modern college of Pharmacy Nigdi Pune	Research skills
Feedback and Quiz of day 5					
6	Day-6 23/03/2021	11 am to 11:45 am	Dr. Hema Chaudhary	Dean, Faculty of Pharmaceutical Sciences, PDM University, Bahadurgarh (Delhi NCR), India	Teaching learning pedagogy in post pandemic era: Challenges in the face of paradigm shift
		11:45am to 12:45 pm	Dr Sachin Agawane	Principal Scientist CSIR-National Chemical Laboratory, Pune (NCL) Pune	Research skills, methodology and its importance in drug discovery.
		12 :45pm to 01:15pm	Valedictory function		
Feedback and Quiz of day 6					

Report on
AICTE Sponsored Short Term Training Programme
Innovations in Effective Teaching, Learning Pedagogy and Research Skill Development
Dated-17/03/2021 to 23/03/2021

Day -1 Wednesday 17/03/2021-

Welcome of the delegates was done by Dr. V. V. Chopade followed by key note address by Principal P. D. Chaudhari. He outlined the program to all delegates and explain the need of Innovations in Effective Teaching, Learning Pedagogy and Research Skill Development.

In presence of first speaker Dr. Rajendra B. Kakade official inauguration done by virtual lightening of diya in front of goddess Sarswati. Dr. Rajendra B. Kakade enlighten the delegates about various opportunities in AICTE for research.

Second speaker was Dr Md Salahuddin given talk on Innovations in Life sciences and newer Technologies: The future evolving roles of Pharmacist. In which he discussed on the technological advancement occurring at an increasingly breakneck pace, it's natural the number of life science and technology innovation clusters is growing as well. These clusters result from the increasing recognition that innovators do not perform at their best in widely dispersed buildings. The need of the hour is updating technology and utilizing it in teaching methods due to COVID 19 pandemic situation. The role and characteristics of future pharmacist were explained. The points like role of technology in academics, pharma profession (hospital, clinical, community), pharma and tech business and next generation pharma business. The augmented reality and virtual reality contribute to pharmacy academics and pharmacy industry. IOT (Internet of Thing) helps in data gathering and correlation of data with different departments. AI (Artificial Intelligence) is used in healthcare industry for conducting repetitive task such as data entry, lab test analyses, data management and analysis of healthcare management. Digital apps for chronic diseases monitoring, ordering of prescriptions, cross checking clash by multiple medications and many more are invented. 3D printing and organ on chips are gaining high demand in data research and clinical trials.

How a Pharmacist can upgrade for new employment through following points was elucidated:

- deploy new tools and services,
- redefine types of services,
- expand definition of location,
- evaluate new services and financial models,
- Create robust health IT infrastructure
- Invest in virtual health technology and train healthcare workers in its use.
- Identify and adopt the technology that enables the work of each team and function.

The lecture was summarized by a short motivational video where role of technology was highlighted in different sectors like healthcare, pharmacy, research, information technology, marketing, manufacturing, consultation etc.

Third speaker deliver talk on Delivering superior learning experiences. The abstract of lecture was some ice breaker points followed by background information in the form of market statistics leading to learner centric sessions and finally ended with a conclusion and take-home message. The role of teacher is to produce a behavior change in the target individual which is students in this case in terms of specific knowledge, specific skills, specific attitude and attain a certain level of proficiency. The points like current requirement of academics, demand and supply in education, buyer's and seller's market etc. The Skills India 202 report was discussed in terms of requirement of industry, skills of students passed out, characteristics and attitude possessed by graduates etc. The corporate requires adult centric learning, personality traits especially communication skills and focus andragogy more. Teaching is about giving lessons to the group of learners whereas learning is gaining knowledge by studying and being taught and experiencing. Pedagogy means leading children whereas andragogy means making the adults learn. The characteristics of andragogy and pedagogy were explained along with its distinguishing points with examples. Different management theories like Dr. Edward de Bono's Six thing hats were elaborated. The multimedia, video, YouTube approach can be used for learning as an example of andragogy learning. The learning centric process includes:

- Gamefication
- Modeling

- Pre-learning test and post learning test
- Providing learning material in advance
- Lecture taking notes, frequent revisions
- Collaborating learning concept
- Practicalizing the learning experience.

Different ways of learning like mnemonics, clustering and association were explained and elaborated.

Day -2 Thursday 18/03/2021-

First speaker of day two was Dr. Munir Ahmed delivered talk on Innovative Pedagogical Approaches and paradigm shift in Teaching Learning Process. In his talk he discussed about Technological changes are occurring at various levels like technological adaptation in online shopping and in teaching learning process. Technology has both sides that sometimes it becomes hurdle and sometimes helps to overcome critical conditions. How technology is to be adapted in conventional teaching and how it has enriched teaching was explained in lecture.

After attending lecture, one will be able to explain:

- State disruptive process influencing our routine.
- Retrospect on changes in academic practices in the past year.
- Recall your responses to the technology intrusion.
- Relate the spiral of curriculum with academic planning.
- List the technological tools for balancing academic quality.
- Tabulate the applications relevant to specific academic situations

To explain above objectives following points were explained in detail:

- Relationship between Teaching-learning method, learning objectives and assessment methods was explained along with Taxonomy of educational objectives and various domains of learning.
- Technological Tools for balancing academic quality: Collin's McNaught learning engagement model explains relationship between engaging students in the learning task and interactivity of the resource.
- SAMR framework for technology integration:
 - **Substitution** (use web conferencing platform to give lecture)

- **Augmentation** (share ppt during lecture, include google docs for feedback)
- **Modification** (use open educational resources available online)
- **Redefinition** (Develop a learning management system)
- Stages in online learning:
 - Welcome (access and motivation),
 - Host (online socialization)
 - Lead (information exchange)
 - Facilitate (knowledge construction)
 - Guide (development)
- Emerging approaches to teaching and learning:
 - **Synchronous** learning: telephone, live chat, streaming video, web conferencing.
 - **Asynchronous** learning: discussion board, downloadable videos, slide presentations, E-mail communications, blogs/wikis

Along with these various applications for specific online learning like communication, presentation, group discussion was enlisted.

Second speaker Dr. V Gopal started his talk with importance and details of Discover and Research. To be a good researcher one must go from unknown to known and vice versa. To be a good researcher one must have following powers. All were explained with best examples.

Power of inquisitiveness.

Power of modernization and globalization.

Power of literature survey.

Power of linking based thought process.

Power of involvement.

Power of making mistakes to success stories.

Importance and need of research in herbal medicine was very well explained. Lecture was concluded with Doctrine of food signatures which explained resemblance between human body organs and various vegetables.

Day -3 Friday 19/03/2021

First speaker of Day 3 was Dr. Remeth J. Dias delivered talk on Innovative teaching techniques: A excellent Digital platform. In this he enlightens delegates on teaching techniques as many educational institutions, including students and teachers had to adapt to remote learning which posed many challenges, especially for the teachers, who have been striving to provide quality education without compromising the process and techniques of teaching. Online teaching requires teachers to understand various aspects of the technology ecosystem and unlike the classroom, online teaching may prove ineffective for a teacher to gauge the learning levels of students. The session was focused on use of pedagogical techniques as

1. Behavioural- focuses on behaviour modification.
2. Cognitive- processing and transmission of information.
3. Constructive- Hands-on, self-directed activities leading to design.
4. Activity based- framework of activity.
5. Experimental - Experience as foundation for learning.

The session also including Modern Active Learning based pedagogical techniques such as

1. Collaborative
2. Co-operative learning
3. Case studies/Role plays
4. Group discussion
5. Inquiry based learning
6. Project based learning
7. Problem based learning

All these techniques help to improve teaching and learning methods for involvement of students. The session was ended with interactive quiz video.

Second speaker of the day was Dr. Bhushan Pimple who delivered talk on 2D Animation for effective content delivery. The session focused on various aspects of effective animation techniques for effective content delivery such as

- Application of animation Techniques: To clarify intricate concepts, lengthy processes, tying concepts, interdependent mechanism.

- Current animation market scenario in education sector
- Correlation between Knowledge retention rate and animation techniques
- Types of animation: 2D animation, 3D animation, motion graphics, transformations, stop motion animation.
- Animations Techniques: Its limitations & advantages.
- Details about 2D animation techniques: free available tools for animation, convert animation into video etc.

The session also includes interactive animated videos and details application of 2D animation techniques in theory & practical concept like

- Describe chromatographic techniques by using animation techniques (TLC spotting, TLC development, Visualization)
- Elaborate microscopy of crude drug (crude drug section cutting mechanism, anatomical and microscopical explanation with staining agent)
- Preliminary phytochemical testing
- Various extraction techniques
- Isolation of phytoconstituents.
- Application in assay.

Overall session was very interactive and all these animation techniques defiantly help to improve teaching and learning methods for involvement of students.

Third lecture was by Dr.Arun Jangda in which he discussed about High level Education system In USA compare to India. Gross Domestic expenditure on R and D by every country and their economic stability by increasing year from 2005-2017. Indian National Committee and R&D expenditure by each sectors of research. Approach to be taken From High level (top) and Bottom level. Cultural Shift (Room for mistake) and Key differences In India and USA Education System. India is steady on scale which we need to pull up our socks and get ready to increase our steady state graph to an exponential Level.

Day -4 Saturday 20/03/2021

First speaker was Dr. Seema Damle who delivered talk on Collaborative and cooperative learning in choice-based credit system. The session focused on cooperative and collaborative learning approach for student involvement. Mam has explained in detailed cooperative learning -

- an approach to organize classroom activities into academic and social learning experiences.
- In which students team together to explore a significant question or create a meaningful project.
- Students work together in small groups on a structured activity.

Learning goals can be structured 3 different ways- Cooperatively; competitively and Individualistically. Second half of session is focused on Collaborative learning. It is method of teaching and learning in which students' team together to solve a problem, complete a task or to create a project. Collaborative learning involves-Share ideas, Interaction, Brainstorm, Collaboration, Discussion and Community.

Second speaker of the day was Dr Sharad Wakode delivered talk on Layout of research plan for teachers. Sir has explained some important points to be considered before preparing research plan. So, researcher should focused on some early consideration as

- What want to achieve, whether funding is required and what type of funding may be suitable.
- You need to ensure that your proposal is practical and deliverable.
- Different funding bodies will back different types of research so one should need to apply to the most appropriate organization. e.g ICMR, DST, DBT, AICTE,UGC
- Ensure that the right infrastructure is in place within your organization.

Another important point sir has explained that while choosing a research topic some points should considered as-

- Will result in tangible benefits within a reasonable and defined period?
- Will it fill a gap in current literature?
- Will I learn something new?
- Will I get funding?

Lastly sir has discussed some points that are helpful in making your proposal stand out.

Day -5 Monday 22/03/2021

First speaker was Dr. M S Ganachari talked on various innovative teaching technologies such flipped classroom, Qualitative Learning, Generation X, Y, Z (Millenials), You Tube video sharing. To reach and teach students Outside and inside of the classroom. To connect them with education with the help of social network. How to Upload education system with each desk + Tab. He asked the delegates to update Teaching method with less theoretical and more practical knowledge. He also discussed the use of flip classroom for better understanding and learning and use of animations and videos in lecture and to understand student psychology.

Second talk of the day delivered by Dr. Prashant Aragade, he talk on different points related to effective implementation of flip classroom and explained about Flipped classroom is a "pedagogical approach in which direct instruction moves from the group learning space to the individual learning space, and the resulting group space is transformed into a dynamic, interactive learning environment where the educator guides students as they apply concepts and engage creatively in academic also he covers he flipped classroom is a pedagogical model in which the typical lecture and homework elements are reversed. The value of a flipped class is in the repurposing of class time into a workshop where students can inquire about lecture content, test their skills in applying knowledge, and interact in hands-on activities

Third speaker Dr. K. S. Shaikh she has cover diffierent points under topic research skills like Examples of research skills, Searching for information, Attention to detail, Taking notes, Time management, Problem-solving, Communicating results. She explain in details about On the basis of research results, it can be concluded that there is a dire need to educate students and develop their skills of academic research. They should first be taught what online resources they have at their disposal and how they can find them. Then they should learn how to use different search engines and data bases as well as what kinds of results they can get and what to do with them. Finally, this kind of education would gradually develop students' Unauthenticated Download Date | 5/28/15 4:05 PM 152 critical thinking and raise awareness with regard to the academic credibility of

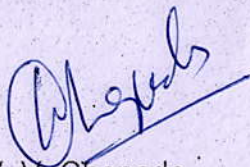
different sources. In the long term, this would prevent problems that all university teachers face, such as plagiarism, and it would teach students to value authorship and copyright.

Day -6 Tuesday 23/03/2021-

First speaker of the day Dr. Hema Chaudhary delivered talk on Teaching learning pedagogy in post pandemic era: Challenges in the face of paradigm shift in which she discussed about different types of teaching-learning pedagogies, rewards of online learning, problems associated with online teaching & learning, challenges for online learning, SWOC analysis of online learning, strength and weaknesses, opportunities & challenges, solutions, use of social media, emerging approaches of India for higher education during COVID 19, post COVID 19 trends in higher education.

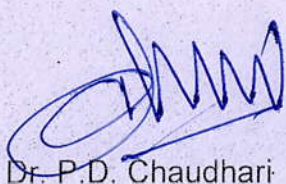
Second speaker of the day was Dr Sachin Agawane talked about Research skills, methodology & its importance in drug discovery. Dr Sachin Agawane discussed about drug discovery in diabetes. He elaborated about what is diabetes, human breeds in diabetes, herbal medicines used in diabetes, in-silico studies, in-vitro studies, animal studies, plant extraction, GC-MS and different analytical methods, patent filing and toxicity studies involved in drug discovery in diabetes.

In the last Valedictory Speech given by Dr. A A Phatak HOD Department of Pharmaceutics followed by vote of thanks by Coordinator of program Dr. V. V. Chopade.



Dr. V. V. Chopade

Associate Professor Modern college of Pharmacy Nigdi Pune



Dr. P.D. Chaudhari

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(Accredited by NBA & NAAC)

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Participants attendance report- STTP

“Innovations in Effective Teaching, Learning Pedagogy & Research Skill Development”

Slot-1 (17th March 2021- 23rd March 2021)

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28/3/2024

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CO-ORDINATOR



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Meeting for AICTE sponsored Short Term Training Programme (STTP)

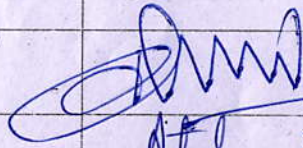


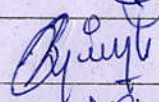

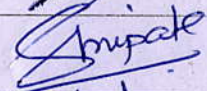
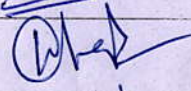
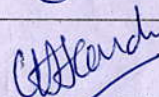
Date 07/03/2021

Meeting No: 1 Agenda

1. To read and confirm the minutes of last meeting
2. To discuss on conduction of online AICTE sponsored STTP
3. To discuss on formation of Programme Monitoring committee

Minutes

1. The minutes of last meeting were confirmed
2. The details discussion was carried out conduction of online AICTE sponsored STTP in 3 slot, slot one -17/03/2021 to 23/03/2021, Slot-2 date 05/04/2021 to 10/04/2021 and slot 3 date 19/04/2021 to 24/04/2021
3. The details discussion was carried on formation of Programme Monitoring committee

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2.	Dr. A. A. Phatak	Professor & HOD	
3.	Dr. K. S. Shaikh	Professor & HOD	
4.	Dr Bhushan Pimple	Associate Professor & HOD	
5.	Dr. U. C. Galgatte	Associate Professor	
6.	Dr. S. S. Nipte	Associate Professor	
7.	Dr. V. V. Chopade	Associate Professor	
8.	Dr. M.T. Harde	Asst. Professor	

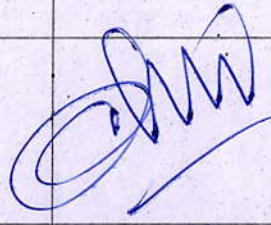


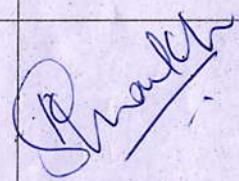





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Action Taken of Meeting no -01 for STTP

Date: 07/03/2021

As per discussion in meeting following programme monitoring committee is formed

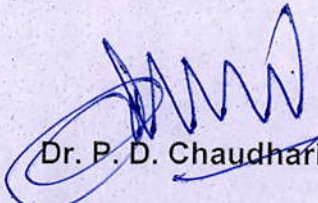
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10.	Dr. M.T. Harde Asst. Professor Modern college of Pharmacy Nigdi Pune	Member Secretary and Coordinator	
11.	Dr. V. V. Chopade Associate Professor Modern college of Pharmacy Nigdi Pune	Programme co-ordinator	
12.	Dr. K. S. Shaikh Professor & HOD Modern college of Pharmacy Nigdi Pune	Member	
13.	Dr. A. A. Phatak HOD Modern college of Pharmacy Nigdi Pune	Member	
14.	Dr. U. C. Galgatte Associate Professor Modern college of Pharmacy Nigdi Pune	Member	
15.	Dr. S. S. Nipte Associate Professor Modern college of Pharmacy Nigdi Pune	Member	



Programme Monitoring Committee (PMC)

Is constituted for AICTE sponsored Short Term Training Programme (STTP) Slot-I, Slot-II and slot-III, organized by **P. E. Society's Modern College of Pharmacy, Nigdi, Pune-44** Title: on Innovations in effective teaching, learning pedagogy and research skill development

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5.	Dr. A. A. Phatak HOD Modern college of Pharmacy Nigdi Pune	Member
6.	Dr. U. C. Galgatte Associate Professor Modern college of Pharmacy Nigdi Pune	Member
7.	Dr. S. S. Nipte Associate Professor Modern college of Pharmacy Nigdi Pune	Member


Dr. P. D. Chaudhari

Principal

Principal

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



A

Completion Report of AICTE sponsored
Short Term Training Programme (STTP) Slot-I

organized by

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

Title: on Innovations in effective teaching, learning pedagogy and research
skill development

Duration Slot 1- Day 6 -17/03/2021 to 23/03/2021

Submitted By

Programme Monitoring committee

(PMC)

Organizing Committee

Programme Monitoring Committee (PMC)

Sr no	Name	Designation
1.	Dr. P.D. Chaudhari Principal Modern college of Pharmacy Nigdi Pune	Chairperson/ Chairman
2.	Dr. M.T. Harde Professor Modern college of Pharmacy Nigdi Pune	Member Secretary and Coordinator
3.	Dr. V. V. Chopade Associate Professor Modern college of Pharmacy Nigdi Pune	Programme co-ordinator
4.	Dr. K. S. Shaikh Professor & HOD Modern college of Pharmacy Nigdi Pune	Member
5.	Dr. A. A. Phatak HOD Modern college of Pharmacy Nigdi Pune	Member
6.	Dr. U. C. Galgatte Associate Professor Modern college of Pharmacy Nigdi Pune	Member
7.	Dr. S. S. Nipte Associate Professor Modern college of Pharmacy Nigdi Pune	Member

Technical Monitoring Committee

Sr no	Name	Designation
1.	Dr Bhushan Pimple	Chairperson/ Chairman
2.	Prof Somdatta Chaudhari	Member
3	Prof Devendra Visokar	Member

SCHEDULE OF STTP: SLOT-I (17/03/2021 to 23/03/2021)

SN	Date	Time	Name	Organization/Institution Name	Topics
1	Day -1 17/03/2021	9:45 to 9:50 am			Participants will join the session
		9:50 to 10:00 am	Dr. V V Chopade	Associate Professor PES Modern College of Pharmacy Nigdi Pune-44	Well come and objectives of STTP
		10:00 to 10:05 am	Dr P. D. Chaudhari	Professor and Principal PES Modern College of Pharmacy Nigdi Pune-44	About institutions and overview of STTP
		10:05 am to 10:25 am	Dr Rajendra Kakde	Adviser- I (Approval Bureau) (AICTE), All India Council for Technical Education New	Key note address and Schemes of AICTE for teachers
		10:30 am to 11 :30 am	Dr MD Salahuddin	Principal & Professor at Farooqia College of Pharmacy Mysuru- India	Innovations in Life Sciences & Newer technologies; The Future Evolving Roles of Pharmacist
		11:30 am to 12:30 pm	Prof. Sunil S Chiplunkar	Vice- President - Business Development, Group Pharmaceuticals, Pune	Delivering superior learning experiences: a need today
Feedback and Quiz of day 1					
2	Day-2 18/03/2021	11 am to 12 noon	Dr. Munir Ahmed	Professor, Government Homeopathic Medical College, Bengaluru	Innovative Pedagogical Approaches and Paradigm shift in Teaching Learning Process

	12 noon to 1 pm	Dr. V. Gopal	Principal, Govt. College of Pharmacy, Puducherry	Innovations in research skills development	
	08 pm to 10 pm	Feedback and Quiz of day 2			
3	11 am to 12 noon	Dr. Remeth Dias	Professor at Head Govt Institute of Pharmacy (Diploma), Karad, MS	Innovative teaching technique: A excellent digital platform	
			HOD Dept of Pharmacognosy PES Modern college of Pharmacy Nigdi	Animation for Effective Content Delivery	
			Associate Director, Takeda Pharmaceuticals Parkway, Deerfield, IL USA	Research-Education system in India and USA: Its need for today's researchers	
	08 pm to 10 pm	Feedback and Quiz of day 3			
4	11 am to 12 noon	Dr Seema Damle	Principal Modern college of Education Shivaji Nagar Pune.	Collaborative and Co-operative Learning in Choice based credit system	
			Dr Sharad Wakode	Professor, Dept of Pharm chemistry, DIPSAR, Govt. of NCT of Delhi, New Delhi	Layout of research plan for teachers
			Feedback and Quiz of day 4		
	8 pm to 10 pm				

5	Day-5 22/03/2021	11 am to 12 noon	Dr. M. S. Ganachari	Dean, Faculty of Pharmaceutical Sciences KLE Academy of Higher Education and Research, Belgaon	Blending the technologies for qualitative learning through flip class room	
		12 noon to 1 pm	Dr. Prashant Aragade	Sr. Lecturer in Pharmacy, Department, Government Polytechnic, Jalgaon, Maharashtra	Effective Implementation of Flipped Classroom Model	
		3 pm to 4 pm	Dr. K. S. Shaikh	Professor & HOD (QAT) Modern college of Pharmacy Nigdi Pune	Research skills	
		Feedback and Quiz of day 5				
6	Day-6 23/03/2021	11 am to 11:45 am	Dr. Hema Chaudhary	Dean, Faculty of Pharmaceutical Sciences, PDM University, Bahadurgarh (Delhi NCR), India	Teaching learning pedagogy in post pandemic era: Challenges in the face of paradigm shift	
		11:45am to 12:45 pm	Dr Sachin Agawane	Principal Scientist CSIR-National Chemical Laboratory, Pune (NCL) Pune	Research skills, methodology and its importance in drug discovery.	
		12 :45pm to 01:15pm	Valedictory function			
		08 pm to 10 pm	Feedback and Quiz of day 6			

Report on
AICTE Sponsored Short Term Training Programme
Innovations in Effective Teaching, Learning Pedagogy and Research Skill Development
Dated-17/03/2021 to 23/03/2021

Day -1 Wednesday 17/03/2021-

Welcome of the delegates was done by Dr. V. V. Chopade followed by key note address by Principal P. D. Chaudhari. He outlined the program to all delegates and explain the need of Innovations in Effective Teaching, Learning Pedagogy and Research Skill Development.

In presence of first speaker Dr. Rajendra B. Kakade official inauguration done by virtual lightening of diya in front of goddess Sarswati. Dr. Rajendra B. Kakade enlighten the delegates about various opportunities in AICTE for research.

Second speaker was Dr Md Salahuddin given talk on Innovations in Life sciences and newer Technologies: The future evolving roles of Pharmacist. I which he discussed on the technological advancement occurring at an increasingly breakneck pace, it's natural the number of life science and technology innovation clusters is growing as well. These clusters result from the increasing recognition that innovators do not perform at their best in widely dispersed buildings. The need of the hour is updating technology and utilizing it in teaching methods due to COVID 19 pandemic situation. The role and characteristics of future pharmacist were explained. The points like role of technology in academics, pharma profession (hospital, clinical, community), pharma and tech business and next generation pharma business. The augmented reality and virtual reality contribute to pharmacy academics and pharmacy industry. IOT (Internet of Thing) helps in data gathering and correlation of data with different departments. AI (Artificial Intelligence) is used in healthcare industry for conducting repetitive task such as data entry, lab test analyses, data management and analysis of healthcare management. Digital apps for chronic diseases monitoring, ordering of prescriptions, cross checking clash by multiple medications and many more are invented. 3D printing and organ on chips are gaining high demand in data research and clinical trials.

How a Pharmacist can upgrade for new employment through following points was elucidated:

- deploy new tools and services,
- redefine types of services,
- expand definition of location,
- evaluate new services and financial models,
- Create robust health IT infrastructure
- Invest in virtual health technology and train healthcare workers in its use.
- Identify and adopt the technology that enables the work of each team and function.

The lecture was summarized by a short motivational video where role of technology was highlighted in different sectors like healthcare, pharmacy, research, information technology, marketing, manufacturing, consultation etc.

Third speaker deliver talk on Delivering superior learning experiences. The abstract of lecture was some ice breaker points followed by background information in the form of market statistics leading to learner centric sessions and finally ended with a conclusion and take-home message. The role of teacher is to produce a behavior change in the target individual which is students in this case in terms of specific knowledge, specific skills, specific attitude and attain a certain level of proficiency. The points like current requirement of academics, demand and supply in education, buyer's and seller's market etc. The Skills India 202 report was discussed in terms of requirement of industry, skills of students passed out, characteristics and attitude possessed by graduates etc. The corporate requires adult centric learning, personality traits especially communication skills and focus andragogy more. Teaching is about giving lessons to the group of learners whereas learning is gaining knowledge by studying and being taught and experiencing. Pedagogy means leading children whereas andragogy means making the adults learn. The characteristics of andragogy and pedagogy were explained along with its distinguishing points with examples. Different management theories like Dr. Edward de Bono's Six thing hats were elaborated. The multimedia, video, YouTube approach can be used for learning as an example of andragogy learning. The learning centric process includes:


- Gamefication
- Modeling
- Pre-learning test and post learning test
- Providing learning material in advance

All India Council Technical Education (AICTE) sponsored short Tern Training Programme (STTP)

- Lecture taking notes, frequent revisions
- Collaborating learning concept
- Practicalizing the learning experience.

Different ways of learning like mnemonics, clustering and association were explained and elaborated.


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CHIEF GUEST
DR. RAJENDRA KAKDE
Adviser-I (Approval Bureau)
All India Council for Technical Education
(AICTE), New Delhi

Topic: "Key role address and schemes of AICTE for teachers"

ON OCCASION OF
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Date
17th March 2021

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EMINENT SPEAKER
PROF. SUNIL CHIPLUNKAR
Vice- President
Business Development,
Group Pharmaceuticals, Bangalore.

Topic: "Delivering superior learning experiences: a need today"

ON OCCASION OF
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Date
17th March 2021

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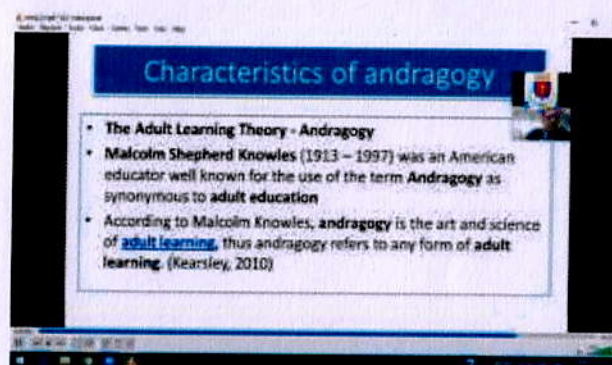
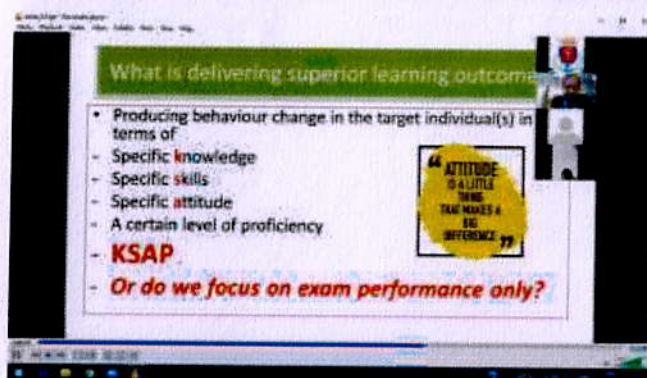
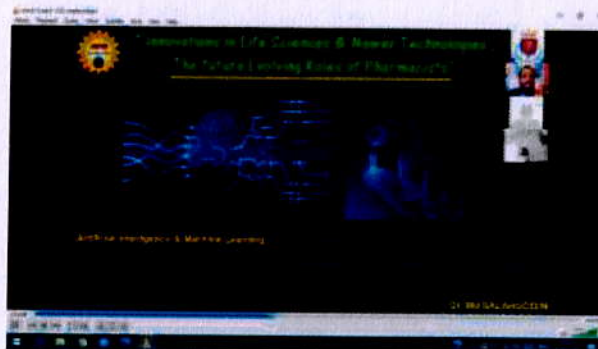
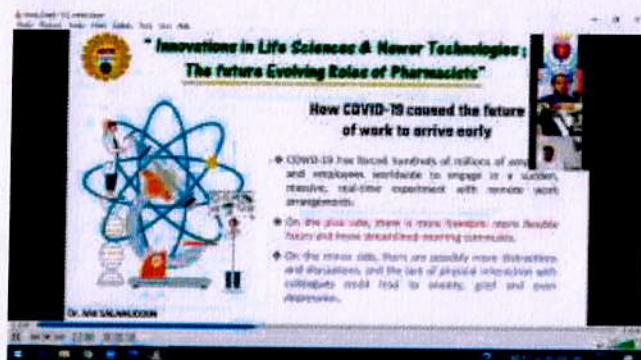
EMINENT SPEAKER
DR. MD SALAHUDDIN
Principal
Farooqia College of Pharmacy,
Mysuru-India

Topic: "Innovations in Life Sciences & Newer Technologies:
The Future Looking Roles of Pharmacists"

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Date
17th March 2021



Day -2 Thursday 18/03/2021-

First speaker of day two was Dr. Munir Ahmed delivered talk on Innovative Pedagogical Approaches and paradigm shift in Teaching Learning Process. In his talk he discussed about Technological changes are occurring at various levels like technological adaptation in online shopping and in teaching learning process. Technology has both sides that sometimes it becomes hurdle and sometimes helps to overcome critical conditions. How technology is to be adapted in conventional teaching and how it has enriched teaching was explained in lecture.

After attending lecture, one will be able to explain:

- State disruptive process influencing our routine.
- Retrospect on changes in academic practices in the past year.
- Recall your responses to the technology intrusion.
- Relate the spiral of curriculum with academic planning.
- List the technological tools for balancing academic quality.
- Tabulate the applications relevant to specific academic situations

To explain above objectives following points were explained in detail:

- Relationship between Teaching-learning method, learning objectives and assessment methods was explained along with Taxonomy of educational objectives and various domains of learning.
- Technological Tools for balancing academic quality: Collin's McNaught learning engagement model explains relationship between engaging students in the learning task and interactivity of the resource.
- SAMR framework for technology integration:
 - **Substitution** (use web conferencing platform to give lecture)
 - **Augmentation** (share ppt during lecture, include google docs for feedback)
 - **Modification** (use open educational resources available online)
 - **Redefinition** (Develop a learning management system)
- Stages in online learning:
 - Welcome (access and motivation),
 - Host (online socialization)
 - Lead (information exchange)
 - Facilitate (knowledge construction)
 - Guide (development)
- Emerging approaches to teaching and learning:
 - **Synchronous** learning: telephone, live chat, streaming video, web conferencing.
 - **Asynchronous** learning: discussion board, downloadable videos, slide presentations, E-mail communications, blogs/wikis

Along with these various applications for specific online learning like communication, presentation, group discussion was enlisted.

Second speaker Dr. V Gopal started his talk with importance and details of Discover and Research. To be a good researcher one must go from unknown to known and vice versa. To be a good researcher one must have following powers. All were explained with best examples.

Power of inquisitiveness.

Power of modernization and globalization.

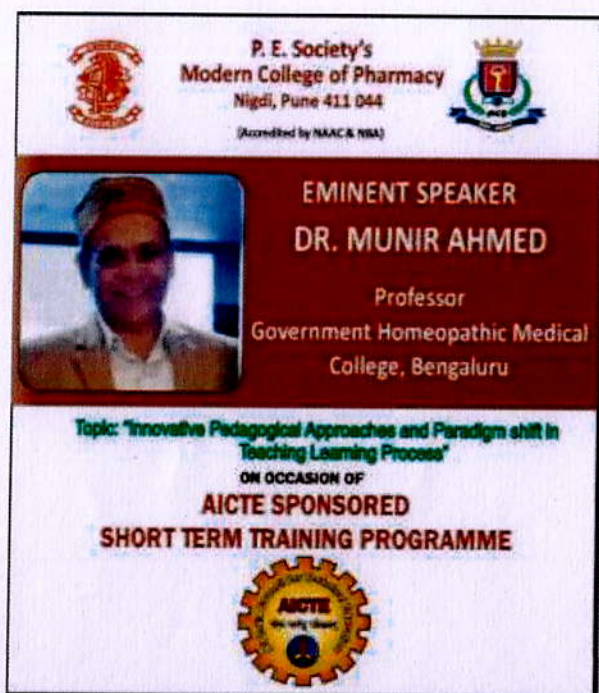
Power of literature survey.

Power of linking based thought process.


Power of involvement.

Power of making mistakes to success stories.

Importance and need of research in herbal medicine was very well explained. Lecture was concluded with Doctrine of food signatures which explained resemblance between human body organs and various vegetables.




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EMINENT SPEAKER
DR. MUNIR AHMED
Professor
Government Homeopathic Medical
College, Bengaluru

Topic: "Innovative Pedagogical Approaches and Paradigm shift in Teaching Learning Process"

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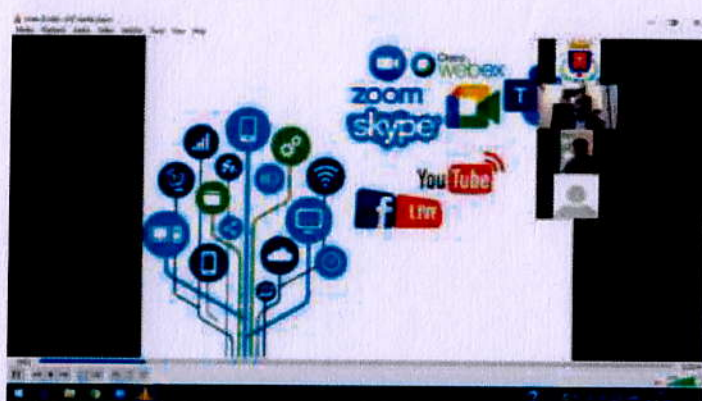
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EMINENT SPEAKER
DR. V. GOPAL
Principal
Govt. College of Pharmacy
Puducherry-India

Topic: "Innovations in research skills development"

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Day -3 Friday 19/03/2021

First speaker of Day 3 was Dr. Remeth J. Dias delivered talk on Innovative teaching techniques: A excellent Digital platform. In this he enlightens delegates on teaching techniques as many educational institutions, including students and teachers had to adapt to remote learning which posed many challenges, especially for the teachers, who have been striving to provide quality education without compromising the process and techniques of teaching. Online teaching requires teachers to understand various aspects of the technology ecosystem and unlike the classroom, online teaching may prove ineffective for a teacher to gauge the learning levels of students. The session was focused on use of pedagogical techniques as

1. Behavioural- focuses on behaviour modification.
2. Cognitive- processing and transmission of information.
3. Constructive- Hands-on, self-directed activities leading to design.
4. Activity based- framework of activity.
5. Experimental - Experience as foundation for learning.

The session also including Modern Active Learning based pedagogical techniques such as

1. Collaborative
2. Co-operative learning
3. Case studies/Role plays
4. Group discussion
5. Inquiry based learning
6. Project based learning
7. Problem based learning

All these techniques help to improve teaching and learning methods for involvement of students. The session was ended with interactive quiz video.

Second speaker of the day was Dr. Bhushan Pimple who delivered talk on 2D Animation for effective content delivery. The session focused on various aspects of effective animation techniques for effective content delivery such as

- Application of animation Techniques: To clarify intricate concepts, lengthy processes, tiring concepts, interdependent mechanism.



- Current animation market scenario in education sector
- Correlation between Knowledge retention rate and animation techniques
- Types of animation: 2D animation, 3D animation, motion graphics, transformations, stop motion animation.
- Animations Techniques: Its limitations & advantages.
- Details about 2D animation techniques: free available tools for animation, convert animation into video etc.


The session also includes interactive animated videos and details application of 2D animation techniques in theory & practical concept like


- Describe chromatographic techniques by using animation techniques (TLC spotting, TLC development, Visualization)
- Elaborate microscopy of crude drug (crude drug section cutting mechanism, anatomical and microscopical explanation with staining agent)
- Preliminary phytochemical testing
- Various extraction techniques
- Isolation of phytoconstituents.
- Application in assay.



Overall session was very interactive and all these animation techniques defiantly help to improve teaching and learning methods for involvement of students.


Third lecture was by Dr.Arun Jangda in which he discussed about High level Education system In USA compare to India. Gross Domestic expenditure on R and D by every country and their economic stability by increasing year from 2005-2017.Indian National Committee and R&D expenditure by each sectors of research. Approach to be taken From High level (top) and Bottom level. Cultural Shift (Room for mistake) and Key differences In India and USA Education System. India is steady on scale which we need to pull up our socks and get ready to increase our steady state graph to an exponential Level.



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**EMINENT SPEAKER
DR. ARUN JANGDA**
 Associate Director
 Takeda Pharmaceuticals
 Lexington MA (Boston)
 USA


Topic: "Research-Education system in India and USA: Its need for today's researchers"
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**EMINENT SPEAKER
DR. BHUSHAN PIMPLE**
 Head of Dept.
 PES Modern college of Pharmacy
 Nigdi Pune-44

Topic: "Animation for Effective Content Delivery"
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**EMINENT SPEAKER
DR. REMETH DIAS**
 Head of Dept.
 Govt Institute of Pharmacy
 (Diploma)
 Karad- India

Topic: "Innovative teaching technique: A excellent digital platform"
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Game Pedagogy

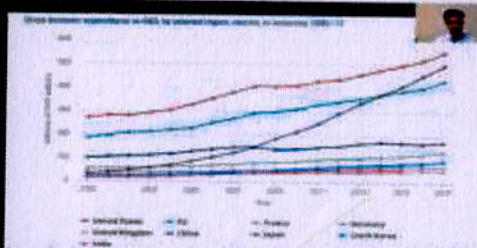
- The method that uses video games for learning purposes is known as **game-based learning**.
- The key lies in the fact that the **content and the skills** that you want to teach are not put across face-to-face class or in a book but rather through video games.

Digital Revolution in Education

- Does more computers in the institute make a difference in learning outcomes?
- No!!
- In fact, it has negatively correlated with performance of math in school.

Discussion Points

- High level education system India and USA
- Does dependent expenditures on R&D by region, country, or country



Day -4 Saturday 20/03/2021

First speaker was Dr. Seema Damle who delivered talk on Collaborative and co-operative learning in choice-based credit system. The session focused on cooperative and collaborative learning approach for student involvement. Mam has explained in detailed cooperative learning -

- an approach to organize classroom activities into academic and social learning experiences.
- In which students team together to explore a significant question or create a meaningful project.
- Students work together in small groups on a structured activity.

Learning goals can be structured 3 different ways- Cooperatively, competitively and Individualistically. Second half of session is focused on Collaborative learning. It is method of teaching and learning in which students' team together to solve a problem, complete a task or to create a project. Collaborative learning involves-Share ideas, Interaction, Brainstorm, Collaboration, Discussion and Community.



Second speaker of the day was Dr Sharad Wakode delivered talk on Layout of research plan for teachers. Sir has explained some important points to be considered before preparing research plan. So, researcher should focused on some early consideration as


- What want to achieve, whether funding is required and what type of funding may be suitable.
- You need to ensure that your proposal is practical and deliverable.
- Different funding bodies will back different types of research so one should need to apply to the most appropriate organization. e.g ICMR, DST, DBT, AICTE,UGC
- Ensure that the right infrastruoturo is in place within your organization.

Another important point sir has explained that while choosing a research topic some points should considered as-

- Will result in tangible benefits within a reasonable and defined period?
- Will it fill a gap in current literature?
- Will I learn something new?
- Will I get funding?

Lastly sir has discussed some points that are helpful in making your proposal stand out.


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EMINENT SPEAKER
DR. SHARAD WAKODE

Professor
DIPSAR Govt. of NCT of Delhi
New Delhi

Topic: "Layout of research plan for teachers"

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EMINENT SPEAKER
DR SEEMA DAMLE

Principal
Modern college of Education
Shivaji Nagar, Pune

Topic: "Collaborative and Co-operative Learning in Choice based credit system"

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Writing your proposal

- ▶ Research funding applications are generally highly abstracted and are sent into systems that will rarely be funded and funded correctly. Each section will include clear instructions, usually including strict word limits.
- ▶ Plain English summary
- ▶ Scientific abstract-The scientific abstract is a more detailed summary
- ▶ Background and rationale-why the research is important and relevant to the funder
- ▶ Research plan-should provide a structured protocol.
- ▶ Expected outputs and dissemination.
- ▶ Management and governance-the results that you will deliver and how you will control the program.
- ▶ Intellectual property IP- provide the claim the protecting intellectual property, know and developments that your research may generate.

Positive Interdependence

Merge into teacher

- ▶ Students are tied together
- ▶ Is your interest to help
- ▶ Encourage helping each other
- ▶ One set of answers from the group
- ▶ One worksheet
- ▶ Figure materials (resources)
- ▶ One set of materials to share
- ▶ Same goals for everyone




What is Research ?

- ▶ What is research?
 - To investigate
 - To collect information from many sources
 - To organize information in a meaningful way
- ▶ Why do we research?
 - To learn • For fun • To share information • To become an expert
 - For carrier advancement
- ▶ Who does research?
 - Scientists • Lawyers • Doctors • Teachers • Actors • STUDENTS!!!

The Limitations of Cooperative learning

- ▶ May cause struggles between or large classes
- ▶ It is more time consuming than traditional method of teaching
- ▶ All team members in a single group do not cooperate the work will be affected
- ▶ Task assignment will need to be more flexible



Day -5 Monday 22/03/2021

First speaker was Dr. M S Ganachari talked on various innovative teaching technologies such flipped classroom, Qualitative Learning, Generation X, Y, Z (Millenials), You Tube video sharing. To reach and teach students Outside and inside of the classroom. To connect them with education with the help of social network. How to Upload education system with each desk + Tab. He asked the delegates to update Teaching method with less theoretical and more practical knowledge. He also discussed the use of flip classroom for better understanding and learning and use of animations and videos in lecture and to understand student psychology.

Second talk of the day delivered by Dr. Prashant Aragade, he talk on different points related to effective implementation of flip classroom and explained about Flipped classroom is a "pedagogical approach in which direct instruction moves from the group learning space to the individual learning space, and the resulting group space is transformed into a dynamic, interactive learning environment where the educator guides students as they apply concepts and engage creatively in academic also he covers he flipped classroom is a pedagogical model in which the typical lecture and homework elements are reversed. The value of a flipped class is in the repurposing of class time into a workshop where students can inquire about lecture content, test their skills in applying knowledge, and interact in hands-on activities

Third speaker Dr. K. S. Shaikh she has cover diffierent points under topic research skills like Examples of research skills, Searching for information, Attention to detail, Taking notes, Time management, Problem-solving, Communicating results. She explain in details about On the basis of research results, it can be concluded that there is a dire need to educate students and develop their skills of acadomio research. They should first be taught what online resources they have at their disposal and how they can find them. Then they should learn how to use different search engines and data bases as well as what kinds of results they can get and what to do with them. Finally, this kind of education would gradually develop students' Unauthenticated Download Date | 5/28/15 4:05 PM 152 critical thinking and raise awareness with regard to the academic credibility of

different sources. In the long term, this would prevent problems that all university teachers face, such as plagiarism, and it would teach students to value authorship and copyright.

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**EMINENT SPEAKER
DR. K. S. SHAIKH**
Professor
PES Modern college of Pharmacy
Nigdi Pune-44,




Topic: "Research skills"
ON OCCASION OF
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**EMINENT SPEAKER
DR. M. S. GANACHARI**
Dean
Faculty of Pharmaceutical Sciences
KLE Academy of Higher Edu. & Research
Belgaon




Topic: "Blending the technologies for qualitative learning through flip class room"
ON OCCASION OF
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**EMINENT SPEAKER
DR. PRASHANT ARAGADE**
Sr. Lecturer
Pharmacy Department
Government Polytechnic,
Jalgaon,



Topic: "Effective Implementation of Flipped Classroom Model"
ON OCCASION OF
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Types of literature reviews

Narrative Reviews:

- Often appears as a chapter in a thesis or dissertation.
- Describes what related research has already been conducted, how it informs the thesis, and how the thesis fits into the research in the field.

Critical Reviews:

- is like a literature review, but requires a more detailed examination of the literature, in order to compare and evaluate a number of perspectives.

Scoping Reviews:

- used at the beginning of an article, dissertation or research proposal.
- conducted before the research begins.
- sets the stage for this research by highlighting gaps in the literature, and explaining the need for the research about to be conducted.

The Smart Classroom:



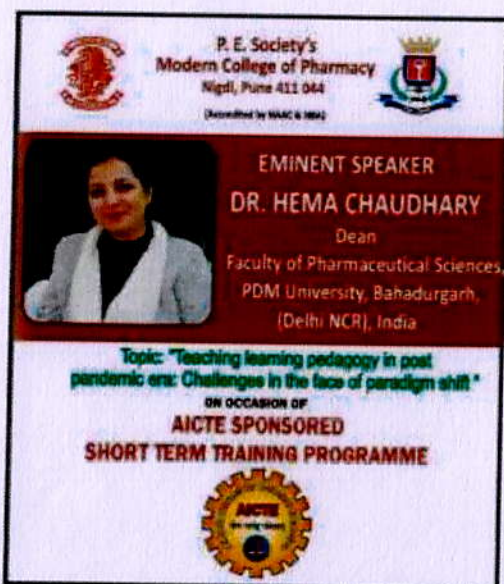
flip your classroom
REACH EVERY STUDENT IN EVERY CLASS EVERY DAY




Day -6 Tuesday 23/03/2021-

First speaker of the day Dr. Hema Chaudhary delivered talk on Teaching learning pedagogy in post pandemic era: Challenges in the face of paradigm shift in which she discussed about different types of teaching-learning pedagogies, rewards of online learning, problems associated with online teaching & learning, challenges for online learning, SWOC analysis of online learning, strength and weaknesses, opportunities & challenges, solutions, use of social media, emerging approaches of India for higher education during COVID 19, post COVID 19 trends in higher education.

Second speaker of the day was Dr Sachin Agawane talked about Research skills, methodology & its importance in drug discovery. Dr Sachin Agawane discussed about drug discovery in diabetes. He elaborated about what is diabetes, human breeds in diabetes, herbal medicines used in diabetes, in-silico studies, in-vitro studies, animal studies, plant extraction, GC-MS and different analytical methods, patent filing and toxicity studies involved in drug discovery in diabetes.




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(Recognized by NAAC & MBZ)



EMINENT SPEAKER
DR. HEMA CHAUDHARY
Dean
Faculty of Pharmaceutical Sciences,
PDM University, Bahadurgarh,
(Delhi NCR), India

Topic: "Teaching learning pedagogy in post pandemic era: Challenges in the face of paradigm shift"

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SHORT TERM TRAINING PROGRAMME



P. E. Society's
Modern College of Pharmacy
Nigdi, Pune 411 044
(Recognized by NAAC & MBZ)



EMINENT SPEAKER
DR SACHIN AGAWANE
Principal Scientist
CSIR-National Chemical Laboratory
(NCL) Pune


Topic: "Research skills, methodology and its importance in drug discovery"

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Treatments for Diabetes Mellitus


People who have type 1 diabetes takes insulin



Metformin from biguanide class -insulin sensitizer leading to a decrease in insulin resistance. Metformin enhances insulin sensitivity



Acarbose




Rewards of Online Learning



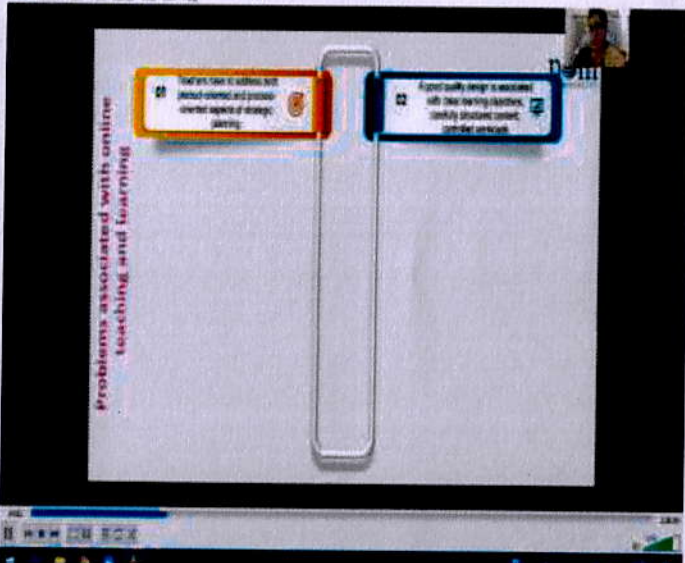
- 01 Convenience
- 02 Enhanced Learning
- 03 Leveling of the Playing field
- 04 Interaction
- 05 Innovative Teaching
- 06 Improved administration
- 07 Savings
- 08 Maximize Physical Resources

Drug discovery is always team work



New drugs cannot be introduced in clinical practice unless it passes the tests in laboratory animals

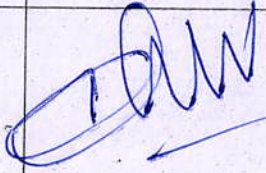


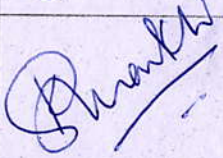
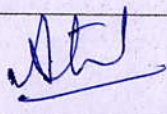

Problems associated with online teaching and learning



- 01 You are sure to address both practical oriented and process oriented aspects of strategic planning.
- 02 A good quality design is associated with clear learning objectives, carefully structured content, credible sources.

In the last Valedictory Speech given by Dr. A A Phatak HOD Department of Pharmaceutics followed by vote of thanks by Coordinator of program Dr. V. V. Chopade.

Signature of Programme Monitoring Committee members

Sr no	Name	Designation	Signature
1.	Dr. P.D. Chaudhari Principal Modern college of Pharmacy Nigdi Pune	Chairperson/ Chairman	
2.	Dr. M.T. Harde Asst. Professor Modern college of Pharmacy Nigdi Pune	Member Secretary and Coordinator	
3.	Dr. V. V. Chopade Associate Professor Modern college of Pharmacy Nigdi Pune	Programme co-ordinator	
4.	Dr. K. S. Shaikh Professor & HOD Modern college of Pharmacy Nigdi Pune	Member	
5.	Dr. A. A. Phatak HOD Modern college of Pharmacy Nigdi Pune	Member	
6.	Dr. U. C. Galgatte Associate Professor Modern college of Pharmacy Nigdi Pune	Member	
7.	Dr. S. S. Nipte Associate Professor Modern college of Pharmacy Nigdi Pune	Member	