



### Criteria 3- Research, Innovations and Extension

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

### DVV Query

DVV for 3.5.1.	DVV Clarifications asked
1	<a href="#"><u>Copies of MOU / Collaboration/ related documents indicating the nature of Collaboration and activities Year-wise</u></a>
2	<a href="#"><u>List of activities conducted under each MOU along with dates of starting and completion year-wise signed by both parties</u></a>

### DVV Clarifications

All documents are provided as per requirement



# 1. Copies of MOU / Collaboration/ related documents indicating the nature of Collaboration and activities Year-wise

(\*Click on the name to view MOU and click on the Year to view activities)

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Sr.No.	Name of the Institution / Industry with whom the MoU / linkage/Collaboration	Nature of Collaboration	Academic year and total number of activities Year-wise					Year-wise activities
			2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	
1	<a href="#">Knoweasy, E-Learning providers, Online Platform, Pimpri, Pune</a>	MOU with Organization	-	-	-	-	1	<a href="#">2022-2023:</a> Guest Lecture
2	<a href="#">Rao Nursing Home, Pune</a>	MOU with Organization	-	-	-	-	1	<a href="#">2022-2023:</a> Collaborative Research
3	<a href="#">Indrayani hospital and cancer Institute, Pune</a>	MOU with Organization	-	-	-	-	1	<a href="#">2022-2023:</a> Collaborative Research
4	<a href="#">MAGS IATRC Research &amp; Training Pvt Ltd, Pune</a>	MOU with Industry	-	-	-	-	1	<a href="#">2022-2023:</a> Industrial Visit
5	<a href="#">Passiflora Laboratories Private Limited, Pune</a>	MOU with Industry	-	-	-	-	1	<a href="#">2022-2023:</a> Industrial Visit
6	<a href="#">Chakan Life Sciences Private Limited, Pune</a>	MOU with Industry	-	-	-	-	1	<a href="#">2022-2023:</a> Industrial visit
7	<a href="#">Intellectual Property Intellect Services (IPIS), Pune</a>	MOU with Organization	-	-	-	-	68	<a href="#">2022-2023</a> 1. Research patents filed (07) 2. Research patents published (25) 3. Design patents filed (10) 4. Design patents granted (06) 5. Copyrights filed (18) 6. Copyrights registered (02)
8	<a href="#">Operant Pharmacy Federation, Rajasthan</a>	MOU with Organization	-	-	-	-	1	<a href="#">2022-2023:</a> International





		on						Conference
9	<a href="#">Crystal Biological Solutions, Pune</a>	MOU with Industry	-	-	-	3	-	<a href="#">2021-2022:</a> 1. Industrial Visit (01) 2. Hands-On Training (02)
10	<a href="#">Skill academy by textbook, Navi Mumbai</a>	MOU with Industry	-	-	-	2	3	<a href="#">2021-2022:</a> Online webinar (2) <a href="#">2022-2023:</a> Online webinar (3)
11	<a href="#">Pursullence GBS LLP, Pune</a>	MOU with Industry	-	-	-	-	1	<a href="#">2022-2023:</a> Value addition course
12	<a href="#">InducarePharmaPvt Ltd, Pune</a>	MOU with Industry	-	-	-	-	1	<a href="#">2022-2023:</a> Collaborative research
13	<a href="#">GTT Foundation, Pune</a>	MOU with Organization	-	-	-	2	1	<a href="#">2021-2022:</a> Online soft skills training programme (2) <a href="#">2022-2023:</a> Online soft skills training programme (1)
14	<a href="#">Anasyn Lab Private Limited, Tathawade, Pune</a>	MOU with Industry	-	-	-	1	-	<a href="#">2021-2022:</a> Industrial Visit
15	<a href="#">BioRadius Therapeutic Research Pvt Ltd, Hinjawadi, Pune</a>	MOU with Industry	-	-	-	-	1	<a href="#">2022-2023:</a> Industrial Visit
16	<a href="#">VishwaConnectomePvt Ltd, Pune</a>	MOU with Industry	-	-	-	1	-	<a href="#">2021-2022:</a> Industrial Visit
17	<a href="#">VivekDoba training Institute, Pune</a>	MOU with Institute	-	-	-	1	-	<a href="#">2021-2022:</a> Guest Lecture
18	<a href="#">Vivekanand Kendra Kanyakumari (Shakha:PimpriChinchwad)</a>	MOU with Organization	-	-	-	1	3	<a href="#">2021-2022:</a> Guest Lecture <a href="#">2022-2023:</a> 1. Leadership development camp 2. State level youth Leadership development camp 3. National youth day celebration
19	<a href="#">Shri Jain VidyaPrasarak Mandal's,</a>	Linkage/ TIE-UP	1	4	2	8	4	<a href="#">2018-2019:</a> Collaborative



	<a href="#">Rasiklal M. Dhariwal Institute of Pharmaceutical Education &amp; Research, Chinchwad, Pune</a>	with Institute						research (1)  <a href="#">2019-2020:</a> Collaborative research (4)  <a href="#">2020-2021:</a> Collaborative research (2)  <a href="#">2021-2022:</a> Collaborative research (8)  <a href="#">2022-2023:</a> Collaborative research (4)
20	<a href="#">Institute of Pharmaceutical Education and Research Pvt Ltd, Pune</a>	MOU with Institute	-	-	-	1	-	<a href="#">2021-2022:</a> Guest lecture
21	<a href="#">Sava Healthcare Limited, MIDC, Chinchwad, Pune</a>	MOU with Industry	1	1	1	-	-	<a href="#">2018-2019:</a> Student industrial project <a href="#">2019-2020:</a> Industrial visit <a href="#">2020-2021:</a> Student industrial project
22	<a href="#">Dinanath Mangeshkar Hospital and Research Center, Pune</a>	MOU with Organization	-	-	-	-	7	<a href="#">2022-2023:</a> Collaborative research (7)
23	<a href="#">Elite Pharma Skills, Chinchwad, Pune</a>	MOU with Organization	-	1	-	-	-	<a href="#">2019-2020:</a> National level Conference
24	<a href="#">Callidus Research Laboratory Pvt Ltd., Pune</a>	MOU with Organization	10	6	4	3	3	<a href="#">2018-2019:</a> 1. Faculty industrial training (3) 2. Student industrial project (6) 3. Industrial visit (1) <a href="#">2019-2020:</a> 1. Industrial visit (1) 2. Faculty industrial training (5) <a href="#">2020-2021:</a>



								1. Collaborative Research (1) 2. Faculty industrial training (3)  <u>2021-2022:</u> 1. Faculty industrial training (1) 2. Internship (1) 3. Student industrial project (1)  <u>2022-2023:</u> Faculty industrial training (3)
25	<a href="#">Haffkine Bio-Pharma Corporation Ltd Pimpri, Pune</a>	Linkage/ TIE-UP with Industry	5	-	-	-	6	<u>2018-2019:</u> Internship (5) <u>2022-2023:</u> 1. Internship (5) 2. Industrial visit (1)
26	<a href="#">VM EDULIFE PVT LTD, Pune</a>	MOU with Organization	2	1	1	2	1	<u>2018-2023:</u> ERP Service Provider (5) <u>2018-2019:</u> Personality development workshop (1) <u>2021-2022:</u> Teacher Orientation Meeting (1)
27	<a href="#">Nu-Life Pharmaceuticals, Pimpri, Pune</a>	Linkage/ TIE-UP with Industry	25	36	40	3	-	<u>2018-2019:</u> 1. Internship (24) 2. Industrial visit (1)  <u>2019-2020:</u> 1. Internship (35) 2. Industrial visit (1)  <u>2020-2021:</u> Internship (40)  <u>2021-2022:</u> Internship (3)
28	<a href="#">Dr. D. Y. Patil Institute of Pharmaceutical</a>	Linkage/ TIE-UP	-	3	2	-	6	<u>2019-2020:</u> Library books sharing



	<a href="#">Sciences and Research, Pimpri, Pune</a>	with Institute						(3)  <a href="#">2020-2021:</a> Library books sharing (2)  <a href="#">2022-2023:</a> 2. Library books sharing (1) 1. Collaborative Research (5)
29	<a href="#">Dr. D. Y. Patil College of Pharmacy, Akurdi, Pune</a>	Linkage/ TIE-UP with Institute	2	5	2	2	-	<a href="#">2018-2019:</a> Library book sharing (2)  <a href="#">2019-2020</a> 1. Reference book searching (1) 2. Library book sharing (4)  <a href="#">2020-2021:</a> Journal referring (2)  <a href="#">2021-2022:</a> 1. Library book sharing (1) 2. Collaborative research (1)




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

### Summary of activities under MOU

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

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✓ GPAT / NIPER Preparation Centre, Pune  
✓ Contact – [Knoweasy007@gmail.com](mailto:Knoweasy007@gmail.com) , 9421506113

## Memorandum Of Understanding (MOU)

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


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


**AND**

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

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

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**Principal**  
P.E.S. Modern College of Pharmacy  
Sector No.21, Yamunanagar, Nigdi,  
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Memorandum of Understanding

**For KnowEasy**

*[Signature]*


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

**KnowEasy**

**Institute**

*[Signature]*

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



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**2022-2023**

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

Date: 14/03/23


**Training and Placement Cell**  
**Notice**


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

Time: 12:00pm to 2:00pm



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

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

  
Dr. P. D. Chaudhari  
Principal

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

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

Title: Current Career Opportunities for Pharmacy Students

Date: Saturday, 18/03/2023

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

Sr.No	Name of student	E-mail	Contact No.	Class	Signature
1	Kartik Toramle	kartiktoramle@gmail.com	9762179129	S.Y.B-Pharm	Kartik
2	Prathamesh Ugale	prathameshugale2002@gmail.com	9321379712	S.Y.B-Pharm	Prathamesh
3	Yash R. Jurnad	yashrjurnad@gmail.com	7498452528	S.Y.B-Pharm	Yash
4	Priyanka A. Chaukate	Priyankachaukate23@gmail.com	9359027353	S.Y.B-Pharm	Priyanka
5	Aarti Santosh Chavan	chavanarati59@gmail.com	9766062203	S.Y.B-Pharm	Aarti
6	Sayali Sumil Jagtap	sayalijagtap2002@gmail.com	7246062034	S.Y.B-Pharm	Sayali
7	Lachitane Santoshi Lakshman	santoshilachitane@gmail.com	8080374297	S.Y.B-Pharm	Lachitane
8	Jyoti D. Hatekar	jyotihatekar@gmail.com	9145146416	S.Y.B-Pharm	Jyoti
9	Aarti P. Lonikar	aarti.chakkar@gmail.com	6958365477	S.Y.B-Pharm	Aarti
10	Farhadade Dhanashree Santosh	dhanshreefarhadade2001@gmail.com	1155606066	S.Y.B-Pharm	Farhadade
11	Samika Sanjay Talekar	tsamika009@gmail.com	8010284481	S.Y.B-Pharm	Samika
12	Sweety. Ashok. Sonawane	sweetys801@gmail.com	9021524378	S.Y.B-Pharm	Sweety
13	Sayali P. P. Navale	sayalinavale9@gmail.com	8347474733	S.Y.B-Pharm	Sayali

Name and Sign of TPO



Name and Sign of the guest

Principal  
Sector No. 27, Yashwantrao Chavan Nagar, Nigdi,  
Pune - 411 044.

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### Modern College of Pharmacy's Career Path 2022-2023

**Guest lecture on the topic " Current Career Opportunities for Pharmacy Students" by Mr. Amit Manal for Second Year B. Pharmacy and Third Year B. Pharmacy students was conducted on 18<sup>th</sup> March 2023.**

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



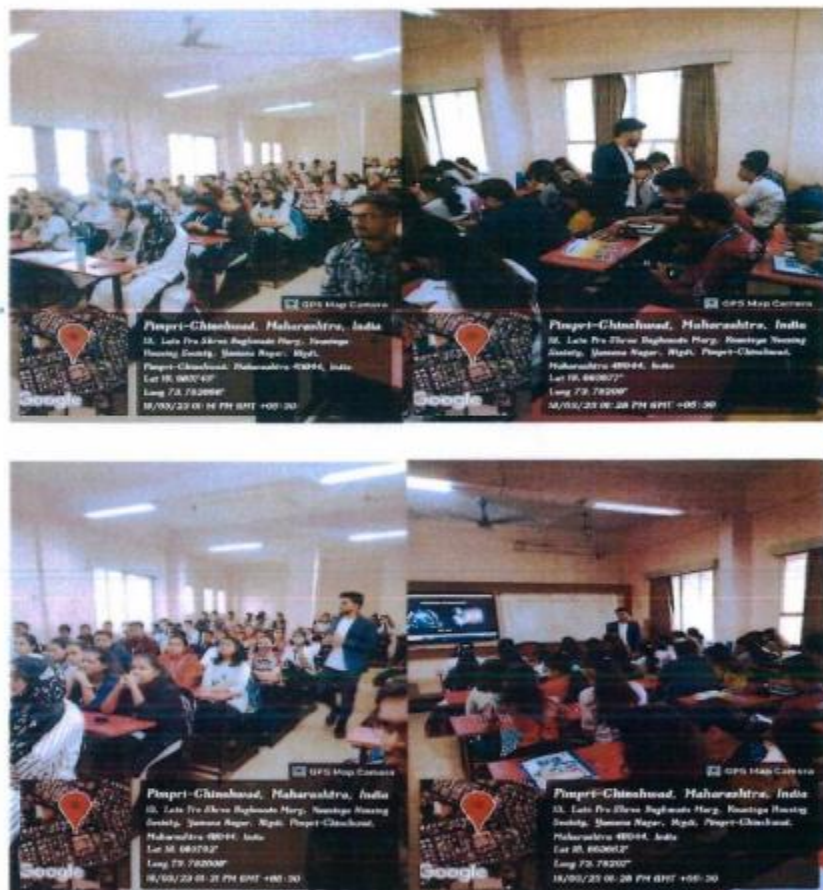
**Principal**  
P. E. S. Modern College of Pharmacy  
Sector No 21, Yamunanagar, Nigdi,  
Pune - 411 044.



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

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

*Shaikh*

Training and Placement Cell  
Dr. K. S. Shaikh



*[Signature]*  
Principal  
Dr. P. D. Chaudhari

P. E. S. Modern College of Pharmacy  
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## MOU with Rao Nursing Home, Pune

### Summary of activities under MOU


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

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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/Lett/2022-23/269

Date : 01/02/2023

MEMORANDUM OF UNDERSTANDING

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

between

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

And

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


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

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


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

**Article 1: Purpose of the MoU**

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



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

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Some broad goals of this MoU are:

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

**Article 2: General Activities (As per Party)**

The Parties will undertake the following:

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

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

**Article 3: Duration of MOU**

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

**Article 4: Financial Terms / Condition**

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

**Article 5: Publication Policy**

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

**Article 6: Statement of Intent**

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



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

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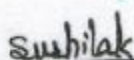




**Article 7: Amendments**


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


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




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

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


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

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

**Principal**  
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Prof. Dr. M. S. Khaparde  
Assistant Professor,  
Department of Pharm. D Program  
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Sector No.21, Yamunanagar, Nigdi,  
Pune - 411 044.



2022-2023

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

**Objective:**

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

**Introduction:**

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

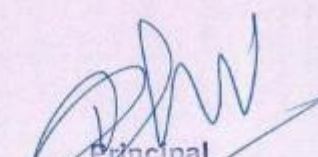
As India being the largely populated developing country, the management of infections becomes an effortful challenge for healthcare system. The exponential speed of the infections, higher consumption of medicines, inappropriate and irrational use of antibiotics also associated with AMR. Important considerations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

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

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

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



  
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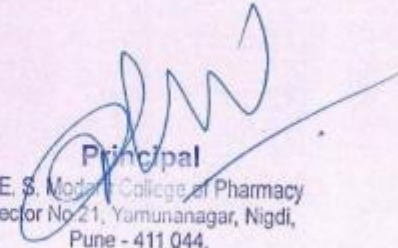




Methodology:

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



  
Principal  
P. E. S. Modern College of Pharmacy  
Sector No.21, Yemunagar, Nigdi,  
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## RAO NURSING HOME

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



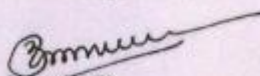
### Letter of Approval

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

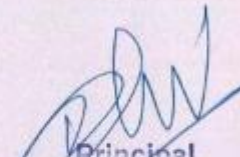
1. Divya B. Hagawane
2. Pranav S. Yelamkar
3. Atharva P. Nanday
4. Muskan R. Radhanpura

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

Thanking You,

  
Head HR  
Rao Nursing Home.



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

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

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



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

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## MOU with Indrayani hospital and cancer Institute, Pune


### Summary of activities under MOU

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

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



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

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

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

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

Ref: mCoP/MOU/2022-23/21/ Date: 21/12/2022

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

**BETWEEN**


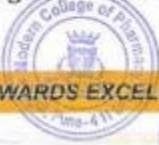
**Shree Narsimha Saraswati Medical Foundation,  
Indrayani Hospital & Cancer Institute,  
Alandi-Chakan Road, Alandi Devachi,  
Tal – Khed, Dist. - Pune, 412105**

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

**AND**

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

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

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

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**Memorandum of Understanding for Academic Research & Development**

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

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

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

And

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

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


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

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

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



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

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

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

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

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


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

**A. DATA TRANSFER:**

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

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**Principal**  
P.E.S. Modern College of Pharmacy  
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Pune - 411 044

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

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

**B. AREAS OF CO-OPERATION:**

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

**C. PUBLICATION POLICY:**

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

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

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**D. FUNDING:**

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

**E. CONFIDENTIALITY:**

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

**F. FINALITY:**

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

**G. TERM AND TERMINATION:**

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

**H. SUCCESSORS AND ASSIGNMENT:**

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Principal  
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Sector No.21, Yamenanagar, Nigdi,  
Pune - 411 044.

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

#### I. INDEMNITY

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

#### J. AMENDMENT

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

#### K. FORCE MAJEURE

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

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Principal

P. E. S. Modern College of Pharmacy  
Sector No 21, Yamunanagar, Nigdi,  
Pune - 411 001

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

**L. INDEPENDENT CONTRACTOR**

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

**M. SEVERABILITY:**

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

**N. NO IMPLIED WAIVER:**

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

**O. NOTICES:**

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

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

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

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

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


**P. COUNTER PARTS:**

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

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

**Signed, Sealed & Delivered by:**

**Indrayani Hospital & Cancer Institute, Alandi.**  
**Through**

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



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

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Date:

Signed, Sealed & Delivered by:

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

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

Date:

Signed, Sealed & Delivered by:

Indrayani Hospital & Cancer Institute, Alandi.

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

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



Signed, Sealed & Delivered by:


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




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


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

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



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





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

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**2022-2023**

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

To,

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

Date:


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


Dear Dr. Anajali,

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


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


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

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



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



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

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



To,

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

Date:

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

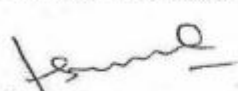
Dear Dr. Anajali,

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

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

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


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- 5) Research procedure should not be causing any physical, emotional or psychological harm to the participants.
- 6) Participants are allowed to withdraw their participation at any point of study.
- 7) Debriefing will be done at the end of the data collection.

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



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



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

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### 5<sup>th</sup> year Pharm D Project Presentation Report-2022-23

#### (THIRD REPORT)

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

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

Name of the Research Guide: Dr. Anjali Kumbhar

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

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

Reporting to guides and co-guides. Satisfactory

Attendance (By Guide/CT) ... Regular .....

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

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



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


(ACCREDITED BY NBA & NAAC)

CERTIFICATE BY THE GUIDE

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

Date: 09/06/2023

Place: Nigdi

  
Dr. Anjali Kumbhar  
(Assistant Professor)

Research Guide



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

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







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

**LETTER OF APPROVAL**

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

 <b>Dr. S. B. Pawar</b> Head & Associate Professor Department of Pharm. D	 <b>Dr. A. R. Kumbhar</b> Assistant Professor, Department of Pharm. D
 <b>Dr. R. P. Chavan</b> Assistant Professor, Department of Pharm. D	 <b>Dr. R. B. Mali</b> Assistant Professor Department of Pharm. D
 <b>Dr. M. S. Khaparde</b> Assistant Professor, Department of Pharm. D	 <b>Mr. S. R. Savadekar</b> Assistant Professor Department of Pharm. D



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

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

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## MOU with MAGS IATRC Research & Training Pvt Ltd, Pune

### Summary of activities under MOU

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

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**MAGS-IATRC RESEARCH AND TRAINING  
PRIVATE LIMITED**  
Mukta Heights, 2nd Floor, PAP J-151/152, Telco Rd, near Quality Circle Forum of India,  
MIDC, Bhosari, Pune, Maharashtra 411026  
Mobile No. 9763140625, 9860450099  
CIN No. U73200PN2021PTC207224 UDYAM R.NO. UDYAM-MH-26-0204149  
E Mail Id: [mags.iatrc@gmail.com](mailto:mags.iatrc@gmail.com), [magslab14@gmail.com](mailto:magslab14@gmail.com),  
[www.mags-lab.com](http://www.mags-lab.com)

Ref: \_\_\_\_\_ Date: 15/9/2022

**MEMORANDUM OF UNDERSTANDING**

BETWEEN




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

AND

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

THIS MEMORANDUM OF UNDERSTANDING IS MADE AT PUNE ON 15<sup>th</sup> September 2022

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Principal  
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**WHEREAS**

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

**WHEREAS**

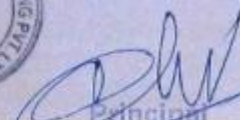
Second Party is Educational Institute/College named Progressive Education Society's Modern College of Pharmacy Sector 21, Yamunanagar, Nigdi, Pune-411044. It is the amongst the premium Pharmacy institutes imparting quality education in a sector of Pharmaceutical Sciences as well as carrying out research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

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

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

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

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

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

#### GOALS AND OBJECTIVES

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

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

#### NOW THEREFORE THIS MEMORANDUM OF UNDERSTANDING WITNESSE AS UNDER

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

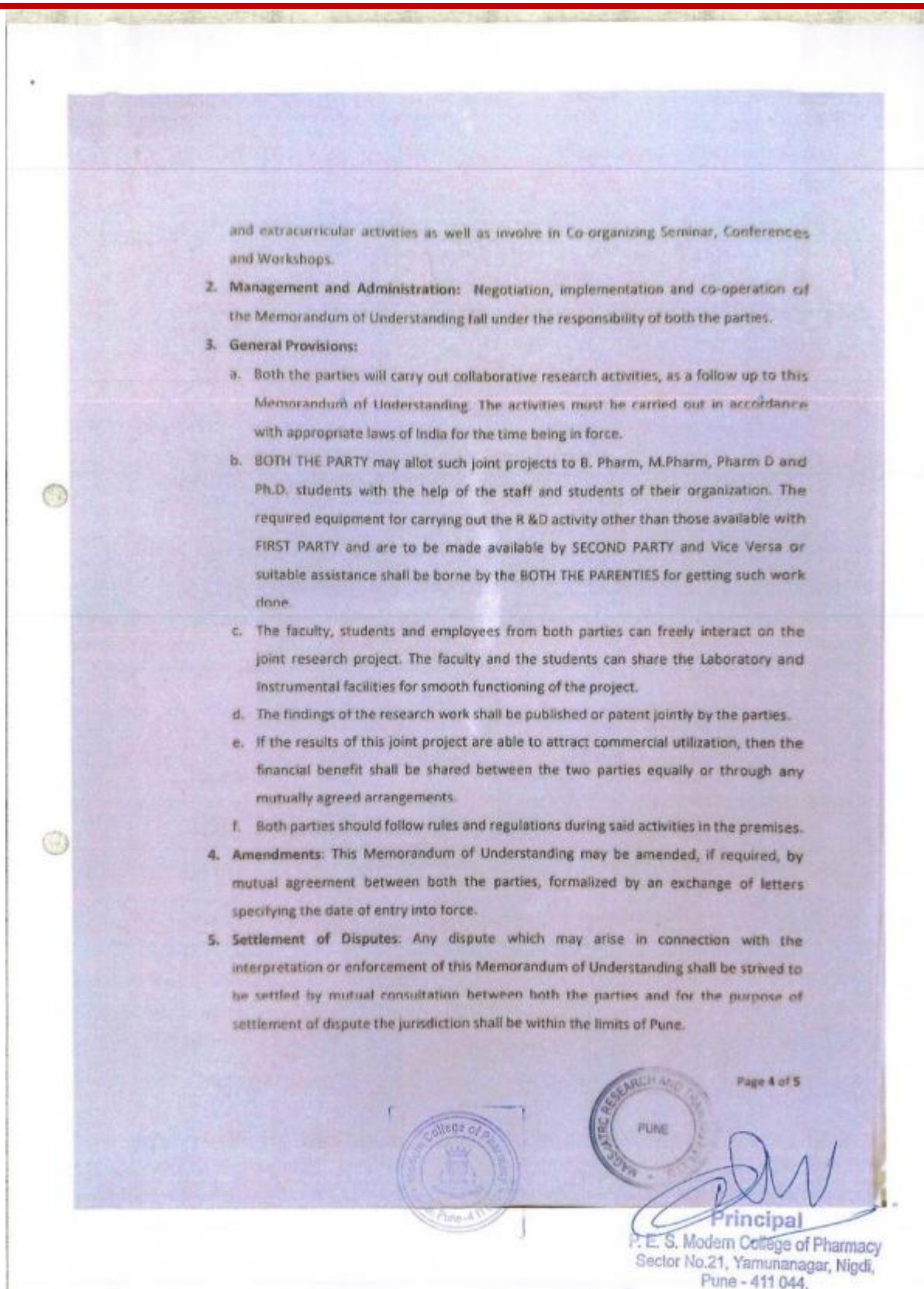
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**Principal**  
P. E. S. Modern College of Pharmacy  
Sector No.21, Yamunanagar, Nigdi,  
Pune - 411 044.

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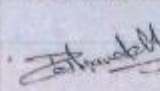

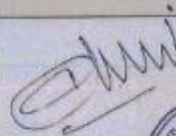

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6. **Termination:** Either Party may terminate this Memorandum of Understanding at any time with at least 90 days prior written notice to the other Party. The early termination of this Memorandum of Understanding will not affect the completion of any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

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

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


For Party of the First Part	MAGS IATRC Research & Training Pvt Ltd, Mukta Heights , Plot J-PAP 151/152, 2nd Floor, Gavali Matha, Near Quality Circle Forum of India, Nigdi - Bhosari Road, Bhosari Telco Rd, Bhosari, Pune, Maharashtra, India-411026	For Party of the Second Part	Progressive Education Society's Modern College of Pharmacy Sector 21, Yamunanagar, Nigdi, Pune, Maharashtra, India- 411044
Signature with seal	 	Signature with seal	 
Designation	Director	Designation	Principal and Professor
Name	Dr. Govind Deshpande, Email ID: mags.iatrc@gmail.com magslab14@gmail.com Contact: 9763140625, 9880450090	Name	Dr. Pravin D. Chaudhari Email ID: pdchaudhari21@rediffmail.com Contact: 9850179873
Date	15/09/2022	Date	15/09/2022


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2022-2023

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



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

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

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

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

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

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

Dear Sir,

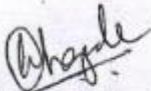
We are thankful to you for accepted our request for two day hands on training and Industry visit to our students and faculty members.



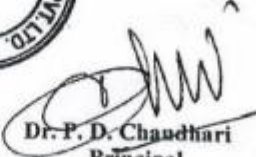
It was a great pleasure for us to have provided the real insight of working procedure of your esteemed organization for our students on 10/11/2022 & 11/11/2022

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

Thanking You.

Yours truly,

  
Dr V. V. Chopade  
Incharge

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

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PES Modern College of Pharmacy, Nigdi, Pune-44

Attendance of students for Industry Visit

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

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

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

Time for departure from college: 1:15 pm

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



Faculty: Dr. Minal Harde, Prof Shital Patil

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



Dr. P. D. Chaudhari  
Principal

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**PES Modern College of Pharmacy, Nigdi, Pune-44**

**List of students selected for Industry Visit**

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

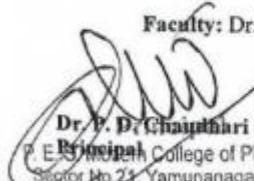
**Time for reach at Industry:** 11:00Am , **Name of class:** B Pharm

**Date:** 11/11/2022 Friday

**Time for departure from college:** 10:30 am

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

**Faculty:** Dr. Amit Tapkir, Prof. Aarti Singhan

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



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

**REPORT OF INDUSTRY VISIT 2022-23**

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

  
Dr. V V Chopade  
Industry Visit Incharge



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

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Photo

## INDUSTRY VISIT 11NOV 2022

### MAGS-IARTC Research and Training Pvt. Ltd.



Dr. V V Chopade  
Industry Visit Incharge



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

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## MOU with Passiflora Laboratories private Limited, Pune


### Summary of activities under MOU

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

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

Date:- 01/07/2022


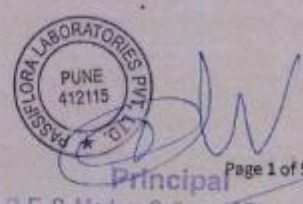
**MEMORANDUM OF UNDERSTANDING**

**BETWEEN**

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

**AND**

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

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**Principal**  
P. E. S. Modern College of Pharmacy  
Sector No 21, Yamunanagar, Nigdi,  
Pune - 411 044  
GSTIN : 27AAKCP5396F12Y  
CIN : U24110PN2019PTC184055

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

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**THIS MEMORANDUM OF UNDERSTANDING IS MADE AT PUNE ON 1<sup>st</sup> JULY 2022**

**WHEREAS**

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

**WHEREAS**

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

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

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



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

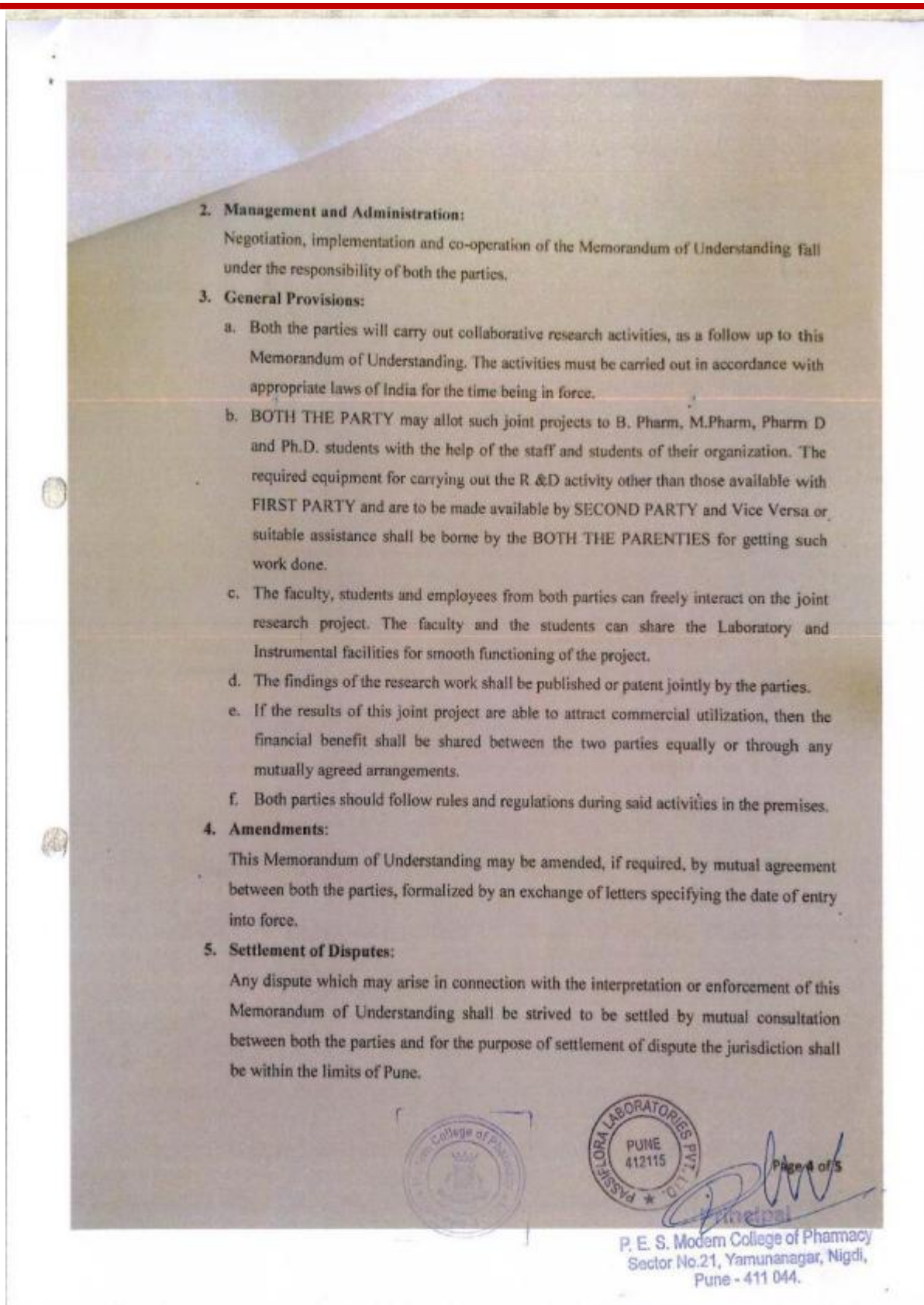
Co-operation between both the parties may be established within any field related to science and technology of mutual interest and in particular fields of Collaborative research projects, Industrial visit, Student Internship, Sharing expertise in Both ways, Demonstration of Equipment or new technology, 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.



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

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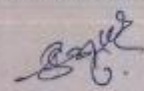

**6. Termination:**

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

**7. Valid period:**

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

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

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



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

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**2022-2023**

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

**Notice**

**Date: 27/09/2022**

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

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

**Time for reach at Industry :** 10:45 am

**Name of class :** list is attached

**Date:** 28/09/2022 (Wednesday)

**Time for departure from college:** 8:45 am

**Contact persons during visit**

**Dr Smita Pimple:** 98509 63259

**Dr V V Chopade** 9545452767

**Prof. Priyanka Bagade:** 95798 78343

**Prof.: Shivraj Mane** 87886 81625

  
**Dr. P. D. Chaudhari**  
Principal

**Copy to**

1. Academic section
2. Class teachers
3. Office



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

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PES Modern College of Pharmacy, Nigdi, Pune-44

Attendance of students for Industry Visit

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

Date: 28/09/2022 (Wednesday)

Time Departure from college: 9:00 am

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

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

Dr. V V Chopade  
Incharge



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

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Progressive Education Society's  
**MODERN COLLEGE OF PHARMACY**

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



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

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

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

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

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

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

Date: 24/09/22

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

Dear Sir,


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

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

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

Thanking You.

Yours truly,

  
Dr V. V. Chopade  
Incharge



  
Dr. P. D. Chaudhari  
Principal

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

For Passiflora Laboratories Pvt. Ltd.

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

STRIVING TOWARDS EXCELLENCE FOREVER

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

**REPORT OF INDUSTRY VISIT 2022-23**

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

  
Dr. V V Chopade  
Industry Visit Incharge



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

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Photos



**Dr. V V Chopade**  
Industry Visit Incharge



**Principal**  
P.E.S. Modern College of Pharmacy  
Sector No 21, Yashwantrao, Nigdi, 2  
Pune - 411 044

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## MOU with Chakan Life Sciences private Limited, Pune

### Summary of activities under MOU

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

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

Ref. No: 2022/07/003 Date: 01/07/2023


**MEMORANDUM OF UNDERSTANDING**


**BETWEEN**

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

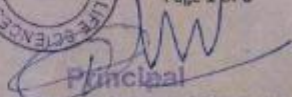
**AND**

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



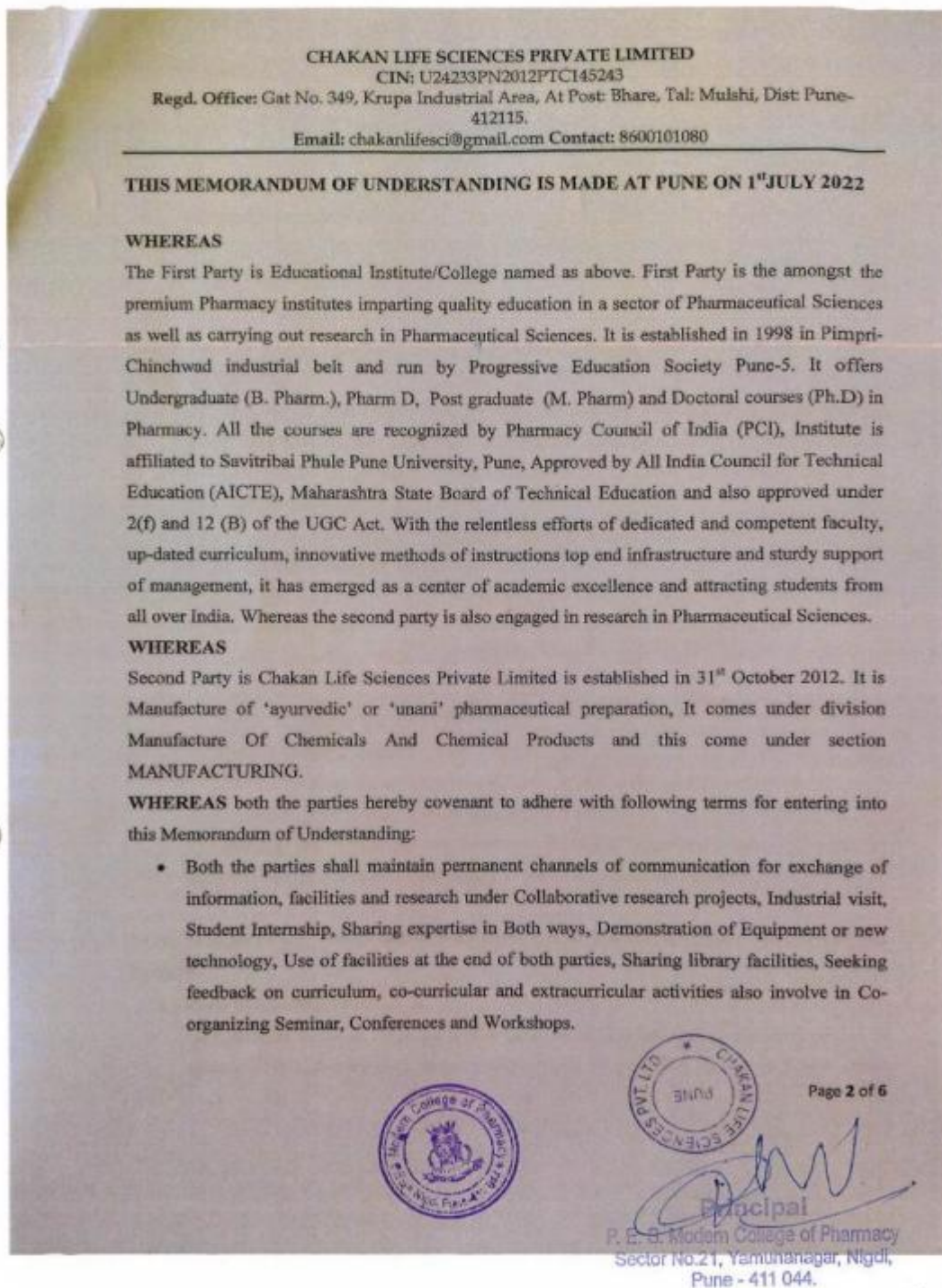


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Principal  
P. E. S. Modern College of Pharmacy  
Sector No.21, Yamunanagar, Nigdi,  
Pune - 411 044.

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**CHAKAN LIFE SCIENCES PRIVATE LIMITED**  
CIN: U24233PN2012PTC143243  
Regd. Office: Gat No. 349, Krupa Industrial Area, At Post: Bhare, Tal: Mulshi, Dist: Pune-412115.  
Email: chakanlifesci@gmail.com Contact: 8600101080

---

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

**GOALS AND OBJECTIVES**


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



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

**NOW THEREFORE THIS MEMORANDUM OF UNDERSTANDING WITNESSE AS UNDER**

**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

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

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



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

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

**3. General Provisions:**

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

**4. Amendments:**

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

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

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

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



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

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

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

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

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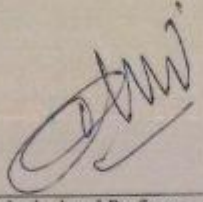

  
P. E. S. Modern College of Pharmacy  
Sector No. 21, Yamunanagar, Nigdi,  
Pune - 411 044.


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

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





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

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**2022-2023**

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

**Notice**

**Date: 27/09/2022**

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

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

**Time for reach at Industry :** 10:45 am

**Name of class :** list is attached

**Date:** 28/09/2022 (Wednesday)

**Time for departure from college:** 8:45 am


**Contact persons during visit**

**Dr Smita Pimple:** 98509 63259

**Dr V V Chopade** 9545452767

**Prof. Priyanka Bagade:** 95798 78343

**Prof.: Shivraj Mane** 87886 81625

  
**Dr. P. D. Chaudhari**  
Principal

**Copy to**

1. Academic section
2. Class teachers
3. Office



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

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PES Modern College of Pharmacy, Nigdi, Pune-44

Attendance of students for Industry Visit

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

Date: 28/06/2022 (Wednesday)

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

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

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


Dr. V. V. Chopade  
Incharge




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

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



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

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

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

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

Ref. : mcp/TL/2022-23/113-4 (9) Date : 24/9/22

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

Dear Sir,


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


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

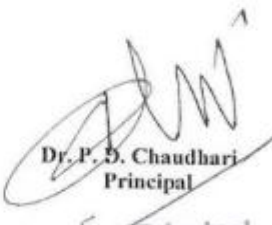
We again thank you for sparing your valuable time with us. We are sure that you will always be there to help us at every critical turn and we look forward to continuous association with you in future.

Thanking You.

Yours truly,

  
Dr V. V. Chopade  
Incharge



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

**STRIVING TOWARDS EXCELLENCE FOREVER**

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**PES Modern College of Pharmacy, Nigdi. Pune-44**

**Attendance of students for Industry Visit**

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

Date: 28/06/2022 (Wednesday)

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

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

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

Dr. V. V. Chopade  
Incharge



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

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

REPORT OF INDUSTRY VISIT 2022-23

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

  
Dr. V V Chopade  
Industry Visit Incharge



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

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Photos



Dr. V.V. Chopade  
Industry Visit Incharge



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

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## MOU with Intellectual Property Intellect Services (IPIS), Pune

### Summary of activities under MOU

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

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## MEMORANDUM OF UNDERSTANDING (MOU)


BETWEEN

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

and

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



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

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## MEMORANDUM OF UNDERSTANDING

THIS MEMORANDUM OF UNDERSTANDING IS MADE AT PUNE ON THIS 18<sup>th</sup> MAY 2022.

### BETWEEN

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

### AND

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


### WHEREAS

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

### WHEREAS

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

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



IPIS-Intellectual Property Intellect Services



Proprietor

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

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

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

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

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

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



IPIS-Intellectual Property Intellect Services

Proprietor

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NOW THEREFORE THIS MEMORANDUM OF UNDERSTANDING WITNESSETH AS UNDER

**1. Field of Co-Operation:**

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

**Both the Parties shall:**

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

**2. Management and Administration:**

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

**3. General Provisions:**

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

**4. Intellectual Property:**

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

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



IPIS-Intellectual Property Intellect Services



Proprietor

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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.

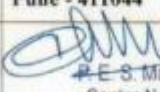

**7. Termination:**

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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Pune - 411 044.



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2022-2023

1/9/23, 6:02 PM

PATENT eFiling

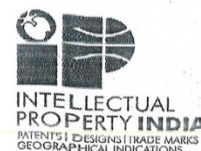
Welcome Mahesh Madanrao Jadhav [Sign out](#)

①  
Sample copy  
Research patent  
filed.



Controller General of Patents, Designs & Trade Marks

सत्यमेव जयते  
G.A.R.6  
[See Rule 22(1)]  
RECEIPT



Docket No 2324

Date/Time 2023/01/09 17:56:43

To  
Mahesh Madanrao Jadhav

Userid: maheshipr

Sr No 26/2/26, Yashodanand, Near Ram Mandir, Ambegaon Pathar, Ambegaon (Bk), Pune-411046

CBR Detail:

Sr. No.	Ref. No./Application No.	App. Number	Amount Paid	C.B.R. No.	Form Name	Remarks
1	202321001802	TEMP/E-1/1510/2023-MUM	1600	1131	FORM 1	"POLYHERBAL DERMAL PATCH FOR FUNGAL INFECTIONS"
2	E-106/48/2023/MUM	202321001802	0	---	FORM28	---

TransactionID	Payment Mode	Challan Identification Number	Amount Paid	Head of A/C No
N-0001081226	Online Bank Transfer	0901230030981	1600.00	1475001020000001

Total Amount : ₹ 1600.00

Amount in Words: Rupees One Thousand Six Hundred Only

Received from Mahesh Madanrao Jadhav the sum of ₹ 1600.00 on account of Payment of fee for above mentioned Application/Forms.

\* This is a computer generated receipt, hence no signature required.

[Print](#)



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

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पेटेंट कार्यालय  
शासकीय जर्नल

② Research patent  
published  
sample copy

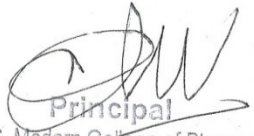
**OFFICIAL JOURNAL  
OF  
THE PATENT OFFICE**

निर्गमन सं. 40/2022  
ISSUE NO. 40/2022

शुक्रवार  
FRIDAY

दिनांक: 07/10/2022  
DATE: 07/10/2022

पेटेंट कार्यालय का एक प्रकाशन  
PUBLICATION OF THE PATENT OFFICE

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

The Patent Office Journal No. 40/2022 Dated 07/10/2022



63450

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(12) PATENT APPLICATION PUBLICATION

(21) Application No. 202221051614 A

(19) INDIA

(22) Date of filing of Application : 09/09/2022

(43) Publication Date : 07/10/2022

(54) Title of the invention : SYNTHESIS OF ATENOLOL IMPURITY 2,2'-[(2-HYDROXYPROPANE-1,3-DIYL) BIS (OXY)) BIS (4,1-PHENYLENE)] DIACETAMIDE

(51) International classification : A61K0031165000, C08G0077520000, C07F0009657400, A61K0031277000, G06K0009460000

(86) International Application No : NA  
Filing Date : NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number : NA  
Filing Date : NA

(62) Divisional to Application Number : NA  
Filing Date : NA

(71) Name of Applicant :

1) P. E. Society's Modern College of Pharmacy, Nigdi, Pune.  
Address of Applicant : P. E. Society's Modern College of Pharmacy, Pune Sector 21, Yamunanagar, Nigdi, Pune - 411044, Maharashtra

2) Dr. Amit S. Tapkir

3) Dr. Ashok B. Pathak

4) Dr. Praveen Digambar Chaudhari

5) Mr. Sanket B. Bhatshankar

6) Mr. Sandip M. Bhagat

Name of Applicant : NA  
Address of Applicant : NA

(72) Name of Inventor :

1) Dr. Amit S. Tapkir

Address of Applicant : P. E. Society's Modern College of Pharmacy, Pune Sector 21, Yamunanagar, Nigdi, Pune - 411044, Maharashtra

2) Dr. Ashok B. Pathak

Address of Applicant : Anasyn Lab Pvt Ltd, House No. Shop no. 8, S. No 129/2B/1, Street Jivan Nagar behind Chowgule Industries Near S.G. Hostel, City Tathawade, Pune : 411033

3) Dr. Praveen Digambar Chaudhari

Address of Applicant : P. E. Society's Modern College of Pharmacy, Pune Sector 21, Yamunanagar, Nigdi, Pune - 411044, Maharashtra

4) Mr. Sanket B. Bhatshankar

Address of Applicant : P. E. Society's Modern College of Pharmacy, Pune Sector 21, Yamunanagar, Nigdi, Pune - 411044, Maharashtra

5) Mr. Sandip M. Bhagat

Address of Applicant : Anasyn Lab Pvt Ltd, House No. Shop no. 8, S. No 129/2B/1, Street Jivan Nagar behind Chowgule Industries Near S.G. Hostel, Tathawade, Pune, 411033

(57) Abstract :

The present invention relates to the synthesis of Atenolol Impurity E viz. 2,2'-[(2-hydroxypropane-1,3-diyl) bis (oxy)) bis (4,1-phenylene)] diacetamide.

No. of Pages : 23 No. of Claims : 6



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

The Patent Office Journal No. 40/2022 Dated 07/10/2022

63777

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③ Design patent filed  
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1/21/23, 8:03 PM

Design eFiling

Welcome Mahesh Madanrao Jadhav [Sign out](#)

Controller General of Patents, Designs & Trade  
Marks  
CP-2, Sector V, Salt Lake City, Kolkata-700091  
Tel No. (033) 23671945-46 Fax No. 933 23671988  
E-mail: [kolkata-patent@nic.in](mailto:kolkata-patent@nic.in)  
Web Site: [www.ipindia.gov.in](http://www.ipindia.gov.in)



सत्यमेव जयते

G.A.R.6

[See Rule 22(1)]

RECEIPT



Date/Time 21/01/2023

To  
Mahesh Madanrao Jadhav

User Code: maheshipr

Sr No 26/2/26, Yashodanad, Near Ram  
Mandir, Ambegaon Pathar Road, Ambegaon  
Bk

User Name: Mahesh Madanrao  
Jadhav

CBR Detail:

Sl. No.	Ret. No./Application No.	App. Number	Amount Paid	C.B.R. No.	Form Name	Remarks
1	377781-001		4000	200989	FORM 1	"An advanced instrument for wound healing using combination of phototherapy and electrical stimulation"

TransactionID	Payment Mode	Challan Identification Number	Amount Paid	Head of A/C No
D-0000052224	Online Bank Transfer	2101230018281	4000.00	1475001020000001

Total Amount : ₹ 4000

Amount in Words: Rupees Four Thousand Only

Received from Mahesh Madanrao Jadhav the sum of ₹ 4000 on account of Payment of fee for above mentioned Application/Forms.

\* This is a computer generated receipt, hence no signature required.

[Print](#)

[Home](#)



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



<https://online.ipindia.gov.in/eDesign/CBRReceipt/printCBRReceipt>

1/1

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④ Design patent- granted  
sample copy

  ORIGINAL  
मूल/No : 127322

भारत सरकार  
GOVERNMENT OF INDIA  
पेटेंट कार्यालय  
THE PATENT OFFICE  
डिजाइन के पंजीकरण का प्रमाणपत्र  
CERTIFICATE OF REGISTRATION OF DESIGN

डिजाइन सं. / Design No. : 375583-001  
तारीख / Date : 14/12/2022  
पारस्परिकता तारीख / Reciprocity Date\* :  
देश / Country :

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **KNEE SIMULATOR FOR IN-VITRO DRUG RELEASE STUDIES** से संबंधित है, का पंजीकरण, श्रेणी **24-01** में 1.Dr. Manohar J. Patil 2. Dr. Ravindra V. Badhe 3.Dr. Sonali R. Badhe के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class **24-01** in respect of the application of such design to **KNEE SIMULATOR FOR IN-VITRO DRUG RELEASE STUDIES** in the name of 1.Dr. Manohar J. Patil 2. Dr. Ravindra V. Badhe 3.Dr. Sonali R. Badhe.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्याधीन प्रावधानों के अनुसरण में।  
In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

**INTELLECTUAL  
PROPERTY INDIA**  
PATENTS | DESIGNS | TRADE MARKS  
GEOGRAPHICAL INDICATIONS

निर्माण की तारीख/Date of Issue : 25/01/2023  
महानियंत्रक पेटेंट डिजाइन और व्यापार चिह्न  
Controller General of Patents, Designs and Trade Marks

पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति देश के नाम पर की गई है। डिजाइन का सत्वाधिकार पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका विस्तार, अधिनियम एवं नियम के निबंधनों के अधीन, पाँच वर्षों की अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रमाण पत्र का उपयोग विधिक कार्यवाहियों अथवा विदेश में पंजीकरण प्राप्त करने के लिए नहीं हो सकता है।  
\*The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for use in legal proceedings or for obtaining registration abroad.

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

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FORM XIV  
APPLICATION FOR REGISTRATION OF COPYRIGHT  
[SEE RULE 70]

Diary Number: 16061/2022-CO/L

To

The Registrar of Copyrights,  
Copyright Office,  
Department of Industrial Policy & Promotion,  
Ministry of Commerce and Industry,  
Boudhik Sampada Bhawan,  
Plot No. 32, Sector 14, Dwarka,  
New Delhi-110075  
Email Address: copyright@nic.in  
Telephone No.: (Office) 011-28032496, 08929474194  
Sir,

In Accordance with Section 45 of the Copyright Act, 1957 (14 of 1957), I hereby apply for registration of Copyright and request that entries may be made in the Register of Copyrights as in the enclosed Statement of Particulars.

1. I also send herewith duly completed the Statement of further Particulars relating to the work. (for Literary/Dramatic, Musical, Artistic works only) **Literary/ Dramatic works**

2. In accordance with rule 16 of the Copyright Rules, 1958, I have sent by prepaid registered post copies of this letter and of the Statement of Particulars and Statement of Further Particulars to other parties concerned as shown below:

Name of Party	Address of Party	Date of Dispatch
PROGRESSIVE EDUCATION SOCIETY, MODERN COLLEGE OF PHARMACY, PUNE	PROGRESSIVE EDUCATION SOCIETY, MODERN COLLEGE OF PHARMACY, SECTOR 21, YAMUNANAGAR, NIGDI, PUNE -411044	26/07/2022

[See columns 7,11,12, and 13 of the Statement of Particulars and party referred in col.2 (e) of the Statement of Further Particulars.]

3. The prescribed fee has been paid, as per details below: **500/-**

Payment ID	Payment Date	Amount	Bank Name	Payment Mode
5109	27/07/2022	500		

4. Communications on this subject may be addressed to:



DR PRAVIN DIGAMBAR  
CHAUDHARI  
PHARMACY, PUNE  
PROGRESSIVE EDUCATION  
SOCIETY, MODERN COLLEGE  
OF PHARMACY, SECTOR 21,  
YAMUNANAGAR, NIGDI, PUNE  
Pune - 411044  
-411044-411044  
8108850055

5. I hereby declare that to the best of my knowledge and belief, no person, other than to whom a notice has been sent as per paragraph 2 above any claim or interest or dispute to my copyright of this work or its use by me.

6. I hereby verify that the particulars given in this Form and the Statement of Particulars and Statment of Further Particulars are true to the best of my knowledge, belief and information and nothing has been concealed there from.

**List of Enclosures:**

- 2 Copies of Work
- DD/IPO of Rs.500 Per Work
- Authorization from author/publisher
- If the application is being filed through attorney, a specific Power of Attorney in original duly signed by the applicant and accepted by the attorney

Place:

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Date: 27/07/2022

For : PROGRESSIVE EDUCATION SOCIETY, MODERN COLLEGE OF PHARMACY, PUNE

Proprietor

STATEMENT OF PARTICULARS

Diary Number: 16061/2022-CO/L

1.	Registration Number	
2.	Name, Address and Nationality of the Applicant	NAME: PROGRESSIVE EDUCATION SOCIETY, MODERN COLLEGE OF PHARMACY, PUNE, ADDRESS: PROGRESSIVE EDUCATION SOCIETY, MODERN COLLEGE OF PHARMACY, SECTOR 21, YAMUNANAGAR, NIGDI, PUNE-411044, Indian NAME: DR UPENDRA CHANDRAKANT GALGATTE, ADDRESS: PROGRESSIVE EDUCATION SOCIETY, MODERN COLLEGE OF PHARMACY, SECTOR 21, YAMUNANAGAR, NIGDI, PUNE-411044, Indian NAME: DR PRAVIN DIGAMBAR CHAUDHARI, ADDRESS: PROGRESSIVE EDUCATION SOCIETY, MODERN COLLEGE OF PHARMACY, SECTOR 21, YAMUNANAGAR, NIGDI, PUNE-411044, Indian
3.	Nature of the Applicant's interest in the Copyright of the work	Owner
4.	Class and description of the work	Literary/ Dramatic Work
5.	Title of the work	Diffusion cell with sink condition
6.	Language of the work	English
7.	Name, Address and Nationality of the Author and if the Author is deceased, the date of decease.	NAME: PROGRESSIVE EDUCATION SOCIETY, MODERN COLLEGE OF PHARMACY, PUNE, ADDRESS: PROGRESSIVE EDUCATION SOCIETY, MODERN COLLEGE OF PHARMACY, SECTOR 21, YAMUNANAGAR, NIGDI, PUNE-411044, Indian, NAME: DR UPENDRA CHANDRAKANT GALGATTE, ADDRESS: PROGRESSIVE EDUCATION SOCIETY, MODERN COLLEGE OF PHARMACY, SECTOR 21, YAMUNANAGAR, NIGDI, PUNE-411044, Indian, NAME: DR PRAVIN DIGAMBAR CHAUDHARI, ADDRESS: PROGRESSIVE EDUCATION SOCIETY, MODERN COLLEGE OF PHARMACY, SECTOR 21, YAMUNANAGAR, NIGDI, PUNE-411044, Indian,
8.	Whether the work is Published or Unpublished	Unpublished
9.	Year and Country of first publication, and Name, Address and Nationality of the publisher	N/A
10.	Year and Countries of subsequent publications, if any, and Name, Address and Nationality of the publisher	N/A
11.	Name, Address and Nationality of the Owners of the various rights comprising the copyright in the work and extent of rights held by each, together with particulars of assignments and licence. If any	NAME: PROGRESSIVE EDUCATION SOCIETY, MODERN COLLEGE OF PHARMACY, PUNE, ADDRESS: PROGRESSIVE EDUCATION SOCIETY, MODERN COLLEGE OF PHARMACY, SECTOR 21, YAMUNANAGAR, NIGDI, PUNE-411044, Indian NAME: DR UPENDRA CHANDRAKANT GALGATTE,

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		MODERN COLLEGE OF PHARMACY, SECTOR 21, YAMUNANAGAR, NIGDI, PUNE-411044, Indian
12.	Name and address and nationality of other persons, if any authorized to assign or licence the rights comprising the copyright	NAME: DR PRAVIN DIGAMBAR CHAUDHARI, ADDRESS: PROGRESSIVE EDUCATION SOCIETY, MODERN COLLEGE OF PHARMACY, SECTOR 21, YAMUNANAGAR, NIGDI, PUNE-411044, Indian NAME: PROGRESSIVE EDUCATION SOCIETY, MODERN COLLEGE OF PHARMACY, PUNE, ADDRESS: PROGRESSIVE EDUCATION SOCIETY, MODERN COLLEGE OF PHARMACY, SECTOR 21, YAMUNANAGAR, NIGDI, PUNE-411044, Indian NAME: DR UPENDRA CHANDRAKANT GALGATTE, ADDRESS: PROGRESSIVE EDUCATION SOCIETY, MODERN COLLEGE OF PHARMACY, SECTOR 21, YAMUNANAGAR, NIGDI, PUNE-411044, Indian NAME: DR PRAVIN DIGAMBAR CHAUDHARI, ADDRESS: PROGRESSIVE EDUCATION SOCIETY, MODERN COLLEGE OF PHARMACY, SECTOR 21, YAMUNANAGAR, NIGDI, PUNE-411044, Indian
13.	If the work is an 'Artistic work', the location of the original work, including name, address and nationality of the person in possession of the work, (In the case of an architectural work, the year of completion of the work should also be shown)	N/A
14.	If the work is an 'Artistic work' which is used or capable of being used in relation to any goods or services, the application should include a certification from the Registrar of Trade Marks in terms of the provision to Sub-Section (i) of Section 45 of the Copyright Act, 1957	N/A
15.	If the work is an 'Artistic work' whether it is registered under the Designs Act 2000 if yes give details.	N/A
16.	If the work is an 'Artistic work' capable of being registrar as a design under the Designs Act 2000, whether it has been applied to an article through an industrial process and, if yes, then number of times it is reproduced	N/A
17.	Remarks, if any	

Place:  
Date: 27/07/2022

For : PROGRESSIVE EDUCATION SOCIETY, MODERN COLLEGE OF PHARMACY, PUNE

STATEMENT OF FURTHER PARTICULARS

(For Literary/Dramatic, Musical and Artistic works only)

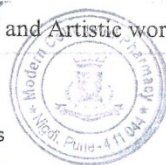
1. Is the work to be registered

(a) an original work?

: Yes

(b) a translation of a work in the public domain?

: N.A.



Diary Number: 16061/2022-CO/L

P. E. S. Modern College of Pharmacy  
Sector No 21, Yamunanagar, Nigdi,  
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(c) a translation of a work in which Copyright : N.A.  
subsists?

(d) an adaptation of a work in the public  
domain? : N.A.

(e) an adaptation of a work in which Copyright  
subsists? : N.A.

2. If the work is a translation or adaptation of a work in  
which copyright subsists

(a) Title of the original work : N.A.

(b) Language of the original work : N.A.

(c) Name, address, and nationality of the author  
of the original work and if the author is deceased, the  
date of decease : N.A.

(d) Name, address, and nationality of the  
publisher, if any, of the original work : N.A.

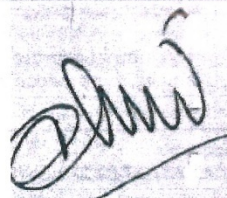
(e) Name, address, and nationality of the  
publisher, or adaptation including the name, address : N.A.  
and nationality of party authorizing

3. Remarks, if any

Place:

Date: 27/07/2022

For : PROGRESSIVE EDUCATION SOCIETY, MODERN COLLEGE OF PHARMACY, PUNE

  
Proprietor



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

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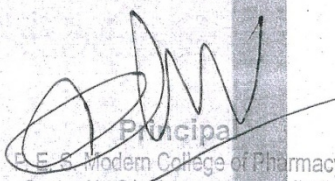
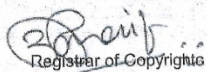
## Extracts from the Register of Copyrights



Dated : 27/02/2023

1. Registration Number : **SR-19045/2023**
2. Name, address and nationality of the applicant : **PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF PHARMACY, YAMUNANAGAR, NIGDI, SECTOR NO. 21, YAMUNANAGAR, NIGDI-411044 INDIAN**
3. Nature of the applicant's interest in the copyright of the work : **OWNER**
4. Class and description of the work : **SOUND RECORDING WORK**
5. Title of the work : **HI JYOT RASHTRA BHAKTICHI (AUDIO)**
6. Language of the work : **MARATHI**
7. Name, address and nationality of the author and if the author is deceased, date of his decease : **PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF PHARMACY, YAMUNANAGAR, NIGDI, SECTOR NO. 21, YAMUNANAGAR, NIGDI-411044 INDIAN**
8. Whether the work is published or unpublished : **UNPUBLISHED**
9. Year and country of first publication and name, address and nationality of the publisher : **N.A.**
10. Years and countries of subsequent publications, if any, and names, addresses and nationalities of the publishers : **N.A.**
11. Names, addresses and nationalities of the owners of various rights comprising the copyright in the work and the extent of rights held by each, together with particulars of assignments and licences, if any : **PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF PHARMACY, YAMUNANAGAR, NIGDI, SECTOR NO. 21, YAMUNANAGAR, NIGDI-411044 INDIAN**
12. Names, addresses and nationalities of other persons, if any, authorised to assign or licence of rights comprising the copyright : **N.A.**
13. If the work is an 'Artistic work', the location of the original work, including name, address and nationality of the person in possession of the work. (In the case of an architectural work, the year of completion of the work should also be shown). : **N.A.**
14. If the work is an 'Artistic work' which is used or capable of being used in relation to any goods or services, the application should include a certification from the Registrar of Trade Marks in terms of the provision to Sub-Section (i) of Section 45 of the Copyright Act, 1957. : **N.A.**
15. If the work is an 'Artistic work', whether it is registered under the Designs Act 2000 if yes give details. : **N.A.**
16. If the work is an 'Artistic work', capable of being registered as a design under the Designs Act 2000, whether it has been applied to an article though an industrial process and, if yes, the number of times it is reproduced. : **N.A.**
17. Remarks, if any :  
Diary Number : 1836/2022-CO/SR  
Date of Application : 28/01/2022  
Date of Receipt : 28/01/2022



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

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## MOU with Operant Pharmacy Federation, Rajasthan

### Summary of activities under MOU

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

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## MEMORANDUM OF UNDERSTANDING




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

Recognizing the importance of student engagement in area of co-curricular, innovation, extracurricular, social outreach, research activities, training and placement support this **Memorandum of Understanding (MOU)** sets for the terms and understanding between the **OPERANT PHARMACY FEDERATION**, having office at Shradhavan 17, Mayank Nagdi, Naya Gaon Road, Pali – 306401, Rajasthan, India, and  
The Modern College of Pharmacy Nigdi, Pune-44

having office at Yamuna nagar Nigdi, Pune-44 to **OPF Knowledge Partner**. The main objective of this collaboration between OPF & Modern College of Pharmacy Nigdi, Pune-44 is to organize skill development activities. Also Specific activities under this MOU will be identified through consultation between the two parties as a Collaboration Partner. **Operant Pharmacy Federation, Pali, Rajasthan, India** will benefit Modern College of Pharmacy Nigdi Pune-44. This collaboration will enhance the reach of goals set by both the organizations and may include cooperation of both the organization in variety of joint activities such as:

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

### General Terms of MOUs-


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



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

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



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

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

Signatures: 17 May 2022

**Vikram Choudhary**  
Founder & Director  
Operant Pharmacy Federation  
CIN:U85300RJ2018NPL062226

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

**Vikram Choudhary**  
Director (DIN : 08220933)  
Operant Pharmacy Federation



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



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2022-2023

Organised By



MODERN COLLEGE  
OF PHARMACY

Collaboration with



Operant Pharmacy  
Federation



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

 27 February 2023

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

 **www.mcop.opf.org.in**

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### Submission of Abstract

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

#### E-Poster Presentation Topics:

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

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

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

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

#### Scientific Committee Coordinator:

**Dr. Rajani Mali:** +91-9767419075, [malirajni29@gmail.com](mailto:malirajni29@gmail.com)

**Dr. Padmaja Kore:** +91-8208272961, [padmaja.kalshetti@gmail.com](mailto:padmaja.kalshetti@gmail.com)

### Registration Fee

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

#### Registration details:

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

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

**Website for Online Payment:** [www.mcop.opf.org.in](http://www.mcop.opf.org.in)

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

**Last date of Registration:** 22nd February 2023

#### Venue:

**Progressive Education Society's Modern College of Pharmacy**

Sector 21, Yamuhanagar, Nigdi, Pune - 411044.

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

**Website:** [www.mcop.org.in](http://www.mcop.org.in) **E-mail:** [mcopnigdi14@gmail.com](mailto:mcopnigdi14@gmail.com)



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Tentative Program Schedule	
09.00 AM to 10.00 AM	Registration, Breakfast and Tea
10.00 AM to 11.00 AM	Inauguration
11.00 AM to 12.00 PM	Keynote Session -1
12.00 PM to 01.00 PM	Plenary Session - 1
01.00 PM to 02.00 PM	Lunch cum Networking Break
02.00 PM to 03.00 PM	Plenary Session - 2
03.00 PM to 04.30 PM	Poster Presentations
04.00 PM to 4.30 PM	Tea cum Networking Break
4.30 PM to 5.00 PM	Valedictory
5.00 PM to 5.30 PM	Certificate Distribution and Entertainment Program
Important Dates to be Remember	
Conference Date	February 27, 2023
Last Date for Abstract Submission	February 17, 2023
Intimation of Acceptance	February 17, 2023
Last Date of Registration	February 22, 2023
Last Date for E-Poster Submission	February 22, 2023
Important Contact Details	
Conference Coordinator	+91 91461 09339
Registration Committee	+91 70202 21589; +91 95798 78343
Scientific Committee	+91-9767419075, +91-8208272961
Technical Committee	+91 94609 71652

 [www.mccop.opf.org.in](http://www.mccop.opf.org.in)

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**Counter 1**

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22  
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Sr. No.	Name of Student	Email ID	Contact Number	Amount Paid	College	Attendance	Kit Received	Signature
<b>DYP AKURDI/PIMPRI</b>								
PD 01	Dr. Sanket Kadam	dr.sanketkadam126@gmail.com	9561144338	750	DYP College of Pharmacy, Akurdi	✓	✓	<i>[Signature]</i>
PD 02	Dr. Ramdas Shinde	ramdasshinde@dyppharmakurdi.ac.in	7709946331	750	DYP College of Pharmacy, Akurdi	✓	✓	<i>[Signature]</i>
PD 03	Ms. Gayatri Patil	gayatripatil@dyppharmakurdi.ac.in	9561978507	750	DYP College of Pharmacy, Akurdi	✓	✓	<i>[Signature]</i>
PD 04	Ms. Rutuja Bhande	bhander Rutuja31@gmail.com	9028742456	750	DYP College of Pharmacy, Akurdi	✓	✓	<i>[Signature]</i>
PD 05	Mr. Gaurav Gaikwad	gvgaikwad01@gmail.com	7058963791	750	DYP College of Pharmacy, Akurdi	✓	✓	<i>[Signature]</i>
PD 06	Ms. Gauri Pednekar	pednekar gauri324@gmail.com	7588229670	750	DYP College of Pharmacy, Akurdi	✓	✓	<i>[Signature]</i>
PD 07	Ms. Nikita Ugale	nikipatil126@gmail.com		750	DYP College of Pharmacy, Akurdi	✓	✓	<i>[Signature]</i>
PD 08	Ms. Avanti Jadhav	jadhavavanti27@gmail.com	9503528319	750	DYP College of Pharmacy, Akurdi	✓	✓	<i>[Signature]</i>
PD 09	Dr. Smita Sadar	smitasadar@dyppharmakurdi.ac.in	9823778582	750	DYP College of Pharmacy, Akurdi	✓	✓	<i>[Signature]</i>
PD 10	Ms. Kumkum Bhenwal	kumkum10042003@gmail.com	9145645566	750	DYP College of Pharmacy, Akurdi	✓	✓	<i>[Signature]</i>
PD 11	Dr. Karishma Rathi	karishma.rathi@dyp.edu.in	9405181707	750	DYP College of Pharmacy, Pimpri	✓	✓	<i>[Signature]</i>
PD 12	Mr. Prathamesh Telavekar	prathameshtelavekar6@gmail.com	758429670	750	DYP College of Pharmacy, Akurdi	✓	✓	<i>[Signature]</i>



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	Name of Student	Email ID	Contact Number	Amount Paid	College	Attendance	Kit Received	Signature
	MET's Institute of Pharmacy, Bhujbal Knowledge City, Nashik							
PD 13	Dr. Akshay Khade	dr.akshaykhade@gmail.com	8087081302	750	MET's Institute of Pharmacy, Bhujbal Knowledge City, Nashik	✓	✓	
PD 14	Ms. Ishu Vadnere	vadnere.ishu@gmail.com	9373636831	750	MET's Institute of Pharmacy, Bhujbal Knowledge City, Nashik	✓	✓	
PD 15	Ms. Gauri Garne	gaurigarne15@gmail.com	7972760455	750	MET's Institute of Pharmacy, Bhujbal Knowledge City, Nashik	✓	✓	
PD 16	Ms. Tanishka Kesbarwani	tanishkakabarwanib@gmail.com	9284295556	750	MET's Institute of Pharmacy, Bhujbal Knowledge City, Nashik	✓	✓	
PD 17	Ms. Huzefa Sbaikh	sbaikhhuzaifa96@gmail.com	9271786992	750	MET's Institute of Pharmacy, Bhujbal Knowledge City, Nashik	✓	✓	
PD 18	Deepanshu Suryawanshi	deepanshu.suryawanshi007@gmail.com	8180954999	905.88	MET's Institute of Pharmacy, Bhujbal Knowledge City, Nashik	✓	✓	
PD 19	Rajeshwari Deshmukh	deshmukhrajeshwarijavrao@gmail.com	90282E+10	905.88	MET's Institute of Pharmacy, Bhujbal Knowledge City, Nashik	✓	✓	
PD 20	Siddharth Khatke	khatkesiddharth@gmail.com	8551830826	905.88	MET's Institute of Pharmacy, Bhujbal Knowledge City, Nashik	✓	✓	
PD 21	Mr. Rushikesh Kapse	kapsrushikesh@gmail.com	9373741835	750	MET's Institute of Pharmacy, Bhujbal Knowledge City, Nashik	✓	✓	



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## Counter 2

Sr. No.	Name of Student	Email ID	Contact Number	Amount Paid	College	Attendance	Kit Received	Signature
Modern College of Pharmacy, Nigdi								
PD 43	Ms. Yenzure Jagruti	yenzure20@gmail.com	9146317875	750	Modern College of Pharmacy, Nigdi	✓	✓	
PD 44	Mr. Talegaokar Sanket	sanket.talegaokar2115@gmail.com	9420661511	750	Modern College of Pharmacy, Nigdi	✓	✓	
PD 45	Mr. Mahamuni Akash	akmahamuni123@gmail.com	9604932371	750	Modern College of Pharmacy, Nigdi	✓	✓	
PD 46	Mr. Kumbhar Satyawar	satyawarkumbhar27@gmail.com	9588616756	750	Modern College of Pharmacy, Nigdi	✓	✓	
PD 47	Ms. Thokal Sujata	sujatahokal17@gmail.com	86686 86584	750	Modern College of Pharmacy, Nigdi	✓	✓	
PD 48	Mr. Ghatole Swapnil	sghatole6700@gmail.com	8805970801	750	Modern College of Pharmacy, Nigdi	✓	✓	
PD 49	Ms. Nirmal Vivik Krishnarao	viveknirmal21@gmail.com	939932E+10	750	Modern College of Pharmacy, Nigdi	✓	✓	
PD 50	Mr. Pranav Yelamkar	pranavyelamkar31@gmail.com	9423655000	750	Modern College of Pharmacy, Nigdi	✓	✓	
PD 51	Ms. Shweta Kendre	kendreshweta2000@gmail.com	7507318236	750	Modern College of Pharmacy, Nigdi	✓	✓	
PD 52	Mr. Shiva Khanal	shivakhanal992@gmail.com	9503895945	750	Modern College of Pharmacy, Nigdi	✓	✓	
PD 53	Mr. Savane Sumedha	savanesumedha29@gmail.com	9370410882	750	Modern College of Pharmacy, Nigdi	✓	✓	
PD 54	Mr. Nitesh Agarwal	ranagarwal565@gmail.com	7397956944	750	Modern College of Pharmacy, Nigdi	✓	✓	
PD 55	Ms. Pratiksha Bhoite	pratikshabhoite22@gmail.com	9970937399	750	Modern College of Pharmacy, Nigdi	✓	✓	
PD 56	Ms. Ashwini Vars	ashwinivars101@gmail.com	8208454385	750	Modern College of Pharmacy, Nigdi	✓	✓	
PD 57	Ms. Divya Hagawane	divyabhagawane2944@gmail.com	9067996360	750	Modern College of Pharmacy, Nigdi	✓	✓	
PD 58	Mr. Atharva Nanday	atharvananday7@gmail.com	9130043003	750	Modern College of Pharmacy, Nigdi	✓	✓	
PD 59	Ms. Sukshma Balure	sukshma.balure17@gmail.com	80108 31161	750	Modern College of Pharmacy, Nigdi	✓	✓	
PD 60	Ms. Vaishnavi Deshmukh	vaishnavi.deshmukh1999@gmail.com	9834322137	750	Modern College of Pharmacy, Nigdi	✓	✓	



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				Pharmacy, Nigdi			
	Mr. Shubham Shewale	shewalesubham16@gmail.com	7558448898	750	Modern College of Pharmacy, Nigdi	✓	✓
PD 62	Mr. Gaurav Memane	memanegaurav93@gmail.com	7887471024	750	Modern College of Pharmacy, Nigdi	✓	✓
PD 63	Ms. Pranali Kumbhar	kumbharpnali211@gmail.com	9767354025	750	Modern College of Pharmacy, Nigdi	✓	✓
PD 64	Mr. Harshal Jadhav	hharshal@gmail.com	9975918321	750	Modern College of Pharmacy, Nigdi	✓	✓
PD 65	Mr. Tushar Jha	jtushar14@gmail.com	9322138098	750	Modern College of Pharmacy, Nigdi	✓	✓
PD 66	Ms. Padmaja Kamble	padmajakamble9@gmail.com	9067445901	750	Modern College of Pharmacy, Nigdi		
PD 67	Mr. Savata Dhedge	savatahdedge18@gmail.com	9309758316	750	Modern College of Pharmacy, Nigdi		
PD 68	Mr. Vinay Manocha	vinay.manocha2001@gmail.com	8329507923	750	Modern College of Pharmacy, Nigdi	✓	✓
PD 69	Mr. Vedant Patil	vication1845@gmail.com	7775935110	750	Modern College of Pharmacy, Nigdi		
PD 70	Ms. Yadev Saloni Aniruddha	saloney00@gmail.com	7350363369	750	Modern College of Pharmacy, Nigdi	✓	✓
PD 71	Mr. Mihir Chachar	mchachar143@gmail.com	9773374438	750	Modern College of Pharmacy, Nigdi	✓	✓
PD 72	Ms. Muskan Radhanpura	muskanradhanpura@gmail.com	9428361687	750	Modern College of Pharmacy, Nigdi	✓	✓
PD 73	Ms. Isha Patel	iship1202@gmail.com	9765407975	750	Modern College of Pharmacy, Nigdi	✓	✓
PD 74	Nikhita Kumbhar	nikhitakumbhar@gmail.com	9067610089	905.88	Modern College of Pharmacy, Nigdi	✓	✓
PD 75	Ms. Vaishnavee Chavan	chavvaishnavi@gmail.com	9307677268	750	Modern College of Pharmacy, Nigdi	✓	✓
PD 76	Yogish Garhwani	ygarhwani2@gmail.com	8847791920	905.88	Modern College of Pharmacy, Nigdi	✓	✓
PD 77	Ms. Aparna Arbad	aparnarbad28@gmail.com	9765489726	750	Modern College of Pharmacy, Nigdi	✓	✓
PD 78	Mr. Amrut Godbharle	amrutgodbharle10@gmail.com	9970340513	750	Modern College of Pharmacy, Nigdi		



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Sr. No.:	Name of Student	Email ID	Contact Number	Amount Paid	College	Attendance	Kit Received	Signature
Indira college of pharmacy								
PD 91	Dr. Pooja S. Janardan	poojasjanardan@gmail.com	9996587391	905.88	Indira college of pharmacy			
PD 92	Pravoti Bendre	pravotibendre27@gmail.com	7249070902	905.88	Indira college of pharmacy			
PD 93	Shraddha Devanishi	shraddha.devanishi@indiraip.edu.in	9503935525	905.88	Indira college of pharmacy			
PD 94	Divya Kulkarni	kulkarnidivya13@gmail.com		905.88	Indira college of pharmacy			
PD 95	Aditi Biradar	aditibiradar2002@gmail.com	9673538182	905.88	Indira college of pharmacy			
PD 96	Madhuri Jejurkar	madhurijejurkar2000@gmail.com	7057784332	905.88	Indira college of pharmacy			
PD 97	Samruddhi Thube	samruddhitube@gmail.com	8855919032	905.88	Indira college of pharmacy			
PD 98	Rutuja Gangrade	rutujagangrade2004@gmail.com	9356972540	905.88	Indira college of pharmacy			
PD 99	Ankul Tokude	ankultokude@gmail.com	9529074474	905.88	Indira college of pharmacy			
PD 100	Namrata Patil	nampr08@gmail.com	9324262295	905.88	Indira college of pharmacy			
PD 101	Madhura Bharade	madhurarbhara7@gmail.com	8668331393	905.88	Indira college of pharmacy			
PD 102	Akshay Machale	machaleakshay@gmail.com	9850302623	905.88	Indira college of pharmacy			
PD 103	Neha Chalukya	neha.chalukya@gmail.com	8010359866	905.88	Indira college of pharmacy			
PD 104	Aswar Kailas	aswar.kailas2511@gmail.com	9168348481	905.88	Indira college of pharmacy			
PD 105	Anamika Gavhar	anamikagavhar002@gmail.com	9112750827	905.88	Indira college of pharmacy			
PD 106	Nargis Javed	nargisjaved19199@gmail.com	9923653387	905.88	Indira college of pharmacy			
PD 107	Guruprasad Kumbhar	guruprasadkumbhar7@gmail.com	7066180822	905.88	Indira college of pharmacy			
PD 108	Vedant Bole	vedantbole1234@gmail.com	9923277817	905.88	Indira college of pharmacy			



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Conference Report

27<sup>th</sup> February 2023

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

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

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

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

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



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

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

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

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

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

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



  
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## MOU with Crystal Biological Solutions, Pune

### Summary of activities under MOU

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

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ISO 9001:2015

Reg No-2030/PO/RcBt/S/18/CPCSEA

## CRYSTAL BIOLOGICAL SOLUTIONS

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

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

### MEMORANDUM OF UNDERSTANDING

BETWEEN

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

AND

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



  
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THIS MEMORANDUM OF UNDERSTANDING IS MADE AT PUNE ON 15<sup>th</sup> April 2022

**WHEREAS**

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


**WHEREAS**

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

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

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



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

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

#### GOALS AND OBJECTIVES

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

1. The purpose of this MOU is to continue to develop and expand a framework of 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
  - ✓ Animal activities demonstration
3. Recognizing the importance of institutes of higher education's role in promoting collaboration and increased contribution of social economic development.

NOW THEREFORE THIS MEMORANDUM OF UNDERSTANDING WITNESSE AS UNDER

#### 1. Field of Co-Operation:

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



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

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

**2. Management and Administration:**

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

**3. General Provisions:**

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

**4. Amendments:**

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

**5. Settlement of Disputes:**



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

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





**6. Termination:**

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

**7. Valid period:**

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

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

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





## 2021-2022

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

### Hands on Training Report

**Name of Institute:** Crystal Biological Solution, Pune

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

**Date:** 21 May 2022

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

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

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

#### Name of Faculties

1. Prof. Prashant Pawar

2. Prof. Swateja Bhosale



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

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**CRYSTAL BIOLOGICAL SOLUTIONS**

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


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

**CRYSTAL BIOLOGICAL SOLUTIONS**


Date: 21/05/2022

**Hands on Training Certificate**

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

  
Director

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

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

www.crystalbiological.com

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

Date: 21/05/2022


**Hands on Training Certificate**

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

**PRECLINICAL - TOXICOLOGY TESTING - RESEARCH**

  
Director

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

  
Principal  
P. E. S. Modern College of Pharmacy  
Sector No 21, Yamunanagar Nigdi,  
Pune - 411 012

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

Industry Visit 2021-22

Notice

Date: 19/05/2022

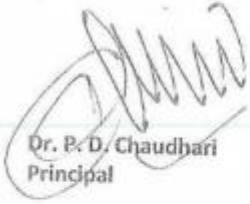
All Teaching faculty, Non-teaching staff and students of M Pharm are hereby informed that, our college has organize one day hands on training, animal demonstration and industry visit for M. Pharm students, the details of visit are as follows

Name of Place : Crystal Biological Solution Pune

Name of class : M. Pharm

Date: 21/05/2022 (Saturday)

Time for departure from college: 07:00 am

  
Dr. P. D. Chaudhari  
Principal

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





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

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

**Industrial Visit Report**

**Name of Institute:** Crystal Biological Solution, Pune

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

**Date:** 21 May 2022

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

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

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



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PES Modern College of Pharmacy, Nigdi, Pune-44

List of selected students for Industry Visit

Name industry: Crystal Biological Solution Pune, Maharashtra Pune.

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

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

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



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

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Participants Name and Signature:

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

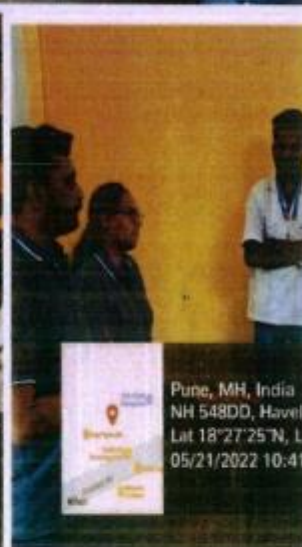
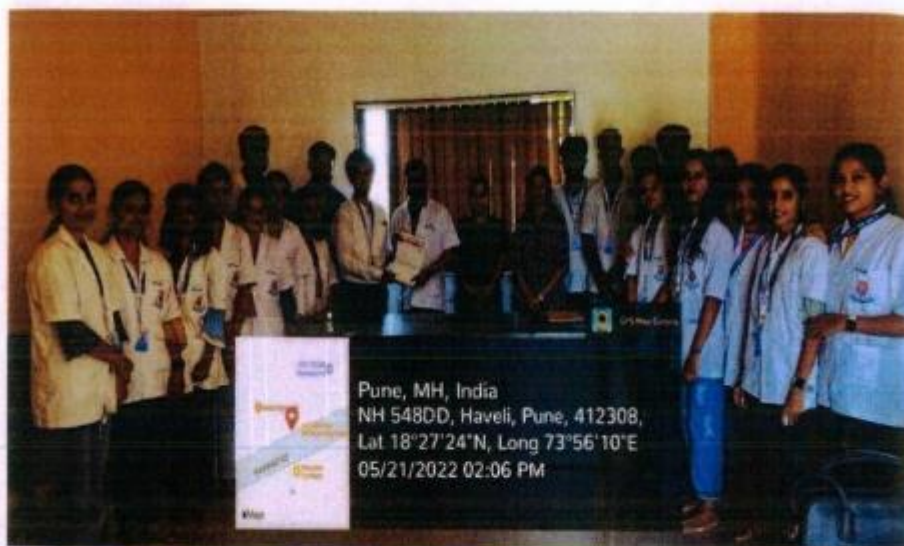



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helped us in understanding preclinical studies, use of cell lines in research, maintenance and handling of animals.

Photo



  
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Sector No.21, Yamunanagar, Nigdi,  
Pune - 411 011

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

21/05/2022

**Certificate**

To whom so ever concerned

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

Thanks & regards

  
Director

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

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

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## MOU with Skill academy by textbook, Navi Mumbai

### Summary of activities under MOU

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

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**skill academy**  
by testbook



# Memorandum of Understanding (MoU)

*Between*

**MODERN COLLEGE OF  
PHARMACY NIGDI PUNE**  
*and*

**Skill Academy by Testbook**

**March 29, 2022**




  
**Principal**

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

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Ref: **MEMORANDUM OF UNDERSTANDING** Date:

This Memorandum of Understanding ("MoU") is entered into as of March 29, 2022 (the "Execution Date") by and between MODERN COLLEGE OF PHARMACY NIGDI PUNE, (hereinafter referred to as "MCP")

AND

Testbook Edu Solutions Pvt. Ltd. (PAN: AASCS8315R and CIN: U72200MH2013PTC241118), a private limited company incorporated under the Companies Act, 1956, engaged in providing online educational courses to students, having its registered office at 1st and 2nd Floor, Zion Building, Plot no. 273, Sector No. 10, Kharghar, Navi Mumbai, Raigad, Maharashtra - 410210 (hereinafter referred to as "Skill Academy", which expression shall unless repugnant to the context or meaning hereinto shall mean and include its successors and permitted assigns) represented herein by its Director, Mr. Ashutosh Kumar, duly authorized by its board of directors vide resolution dated 16th November 2019.

**Parties**

**WHEREAS:**

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

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

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

**RESPONSIBILITIES**

**Responsibilities of Skill Academy**


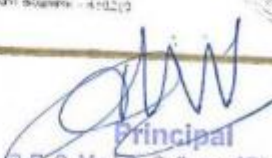
Skill Academy with the help of MCP shall get all the willing students of MCP to register in the Skill Academy Camp with email ID & contact number to avail the services & benefits

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


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

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

**TESTBOOK EDU SOLUTIONS PVT. LTD.**  
1st & 2nd Floor, Zion Building, Plot No. 273, Sector - 10, Kharghar, Navi Mumbai - 410210  
CIN: U72200MH2013PTC241118

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

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

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

1.2 Responsibilities of MCP

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

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

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

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

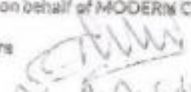
2. Other provisions:

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

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

AGREED AND ACCEPTED:

For and on behalf of MODERN COLLEGE OF PHARMACY NIGDI PUNE

Signature: 


Name: P. D. Chaudhari

Title: Principal

Date: 30.3.2022

For and on behalf of Skill Academy by


TESTBOOK EDU SOLUTIONS PVT LTD.


Signature: 

Name: Ashutosh Kumar

Title: CEO

Date: 31 Mar 2022





Principal  
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Sector No.21, Yamunanagar, Nigdi,  
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115, 117 New, Tech Building, 1st Floor, 11A, Sector - 10, Andheri East, Mumbai - 400 058  
EIN: 11700000000000000000

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2021-2022

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

Date: 25/05/22

**Training and Placement Cell**  
**Notice**

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

Time: 3:00pm to 4:30pm

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

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



  
Dr. P. D. Chaudhari  
Principal

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

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


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



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

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

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

Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044. (M.S.) Tel. : 020-27661314 / 15  
E-mail : mcoptnigdi44@gmail.com Website : www.mcop.org.in

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

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

Ref: M CoP / TL / 2021 - 22 / 528 - 1

Date: 28/05/2022

To,  
Mrs. Vartika Dixit  
Testbook Skill Academy,  
Pune

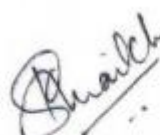
Dear Madam,


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


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

We look forward to your continuous association in future.

Thanking you,  
Yours truly,

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



  
Dr. P. D. Chaudhari  
Principal

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

STRIVING TOWARDS EXCELLENCE FOREVER

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## Summary Report

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

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

KaamKiBaat on

# Interview Preparation

**Vartika Dixit**  
Talent Leader, Microsoft | Ex - Intel, Adobe | MBA | 5+ yrs Exp

**28th May, Saturday**  
3:00 PM to 4:30 PM

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

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

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

Date: 20/04/22

Training and Placement Cell  
Notice

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

Note: Attendance is compulsory.

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



Dr. P. D. Chaudhari  
Principal

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

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


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




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

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 **Progressive Education Society's**  
**MODERN COLLEGE OF PHARMACY**  
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'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

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E-mail : mcofnigdi44@gmail.com Website : www.mcop.org.in

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

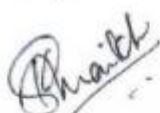
Prof. Dr. Gajanan R. Ekbote  
M.S., M.N.A.M.S.  
Chairman, Business Council  
P.E. Society, Pune


Ref: P/CoP/TL/2021-22/478-1 Date: 29/04/2022

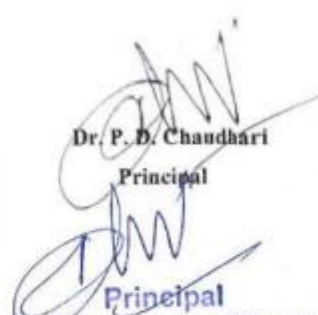
To,  
Testbook Skill Academy,  
Pune

Dear Madam/ Sir,

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

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



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

STRIVING TOWARDS EXCELLENCE FOREVER

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**Modern College of Pharmacy's Career Path 2021-2022**

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

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

*Principle*



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

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2022-2023

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

Date: 18/01/23


**Training and Placement Cell  
Notice**


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


Time: 3:00pm to 5:00pm

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

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



  
Dr. P. D. Chaudhari  
Principal

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

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

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



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

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

Ref: MCOP/TL/2022-2023/258-1  
Date: 21/01/2022

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


Dear Madam,


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

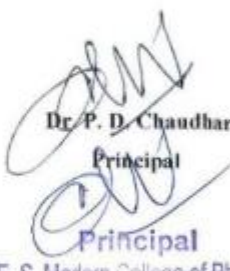
We are highly obliged as you spent your valuable time and shared the digital marketing strategies.

We look forward for your continuous association in future.


Thanking you,  
Yours truly,

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



  
Dr. P. D. Chaudhari  
Principal  
Principal

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



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### Modern College of Pharmacy's Career Path 2022-2023

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

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

The poster is for a Skill Academy webinar titled "Digital Marketing". It features the Skill Academy logo at the top left, which includes the text "Skill academy by testbook" and "CAMPUS PROGRAM". To the right of the logo is the word "Masterclass". Below the logo, it says "Bootcamp on". The main title "Digital Marketing" is in a large, bold, black font. Below the title, there are two columns. The left column is headed "Speaker" and features a photo of Krishni Miglani, a Marketing Manager at Amazon, with 1+ years of experience. The right column is headed "Agenda" and lists three topics: "Career Path as a Digital Marketer", "Tools used for Digital Marketing", and "Salary expectations for Freshers". At the bottom, the date and time are given as "21st January, Saturday" and "3:00 PM to 5:00 PM".

A testbook Skill Academy Webinar on Digital Marketing by Ms Krishni

Training and Placement Cell  
Dr. K. S. Shaikh

Miglani



Principal  
Dr. P. D. Chaudhari

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

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

Date: 14/09/22

Training and Placement Cell

Notice

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

Time: 3:00pm to 4:30pm

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

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



Dr. P. D. Chaudhari  
Principal

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

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

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



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

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Directorate of Technical Education, Mumbai (MS), Permanently affiliated to  
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Prof. Dr. P. D. Chaudhari  
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Principal

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

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

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


Dear Sir,



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

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

We look forward for your continuous association in future.

Thanking you,  
Yours truly,

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

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

*Received 17/9/22*

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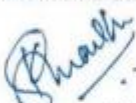
**Modern College of Pharmacy's Career Path 2022-2023**

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


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



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

  
Training and Placement Cell  
Dr. K. S. Shaikh



  
Principal  
Dr. P. D. Chaudhari

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

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

Date: 21/12/22

Training and Placement Cell

Notice



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

Time: 3:00pm to 5:00pm

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



*Shaikh*

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



*P. D. Chaudhari*

Dr. P. D. Chaudhari  
Principal

*P. D. Chaudhari*  
Principal  
P. E. S. Modern College of Pharmacy  
Sector No. 24, Yamunanagar, Nigdi,  
Pune - 411 044.

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

Sr. No	Participants	Sr.No	Participants
1	Agarkar Samiksha Surendra	43	Patange Ajay Prakash
2	Amritkar Akanksha Praveen	44	Patil Animesh Ramkrushna
3	Auti Mayuri Kashinath	45	Patil Harshal Rajesh
4	Bhand Nitin Machhindra	46	Pawar Nikita Ganpat
5	Biradar Alfiya Mahibub	47	Pawar Sadhana Sandeep
6	Borude Snehal Tukaram	48	Rane Tajashree Satish
7	Chonde Aditya Devendra	49	Rashinkar Sneha Nandkumar
8	Daphale Namrata Jaywant	50	Rathod Monika Vasant
9	Desai Ganesh Shivanand	51	Raut Shraddha Subhash
10	Deshpande Shubham Sharad	52	Sabale Sonal Dattatraya
11	Deulkar Anushri Ashok	53	Salgar Pooja Bharat
12	Dhamankar Divya Madhukar	54	Satkar Tanmay Rajendra
13	Dishware Harshali Durgadas	55	Sawant Pooja Nana
14	Gadhare Trupti Bhausaheb	56	Shaikh Fiza Vahed
15	Gaikwad Anjali Sunil	57	Shegokar Neha Prabhakar
16	Gambhire Rahul Ramdas	58	Shete Priya Kisan
17	Gangurde Madhuri Ashok	59	Shete Shivhar Baswraj
18	Ghotekar Kalyani Shantaram	60	Shinde Ashish Hanmant
19	Godhbarle Amrut Namdev	61	Shinde Damini Pradeep
20	Hake Pallavi Sudhakar	62	Shinde Shubhangi Navnath
21	Halne Krishna Gangadhar	63	Shingade Shraddha Dhanaji
22	Ingle Samruddhi Ganesh	64	Shirfule Nagesh Nivruttirao
23	Jadhav Mohini Bharat	65	Shirsath Sanket Rajendra
24	Jadhav Sneha Satish	66	Sonawane Harshali Vilas
25	Jagdale Gayatri Bhagwan	67	Sonawane Niranjana Bharat
26	Jagtap Kedar Abhay	68	Sonawane Rutuja Satish
27	Jagtap Prajakta Bajrang	69	Sonawanesakshi Rajendra
28	Kamble Anuradha Kaka	70	Sonone Vaishnavi Balkrushna
29	Kasture Snehal Hanamant	71	Surwase Onkar Vishnu
30	Kharate Vrushali Dattatraya	72	Suryawanshi Mayuri Bharat
31	Khorde Rushikesh Vikram	73	Tarate Swapnil Suresh
32	Madar Pratiksha	74	Thete Dipali Sanjay
33	Magar Vaishnavi Sanjay	75	Tupe Samadhan Kisan
34	Mahajan Gaurav Arun	76	Ukirde Deven Nilesh
35	Mahangade Aishwarya Shivaji	77	Vanve Shubham Balu
36	Makey Omkar Dattatray	78	Wadgave Pooja Bandappa
37	More Abhijeet Prabhakar	79	Waghmare Shivshankar Ramrao
38	More Geetanjali Pandurang	80	Waghmare Shrinath Shantinath
39	Nagure Abhishek Namdev	81	Waghmode Harshita Shankar
40	Nale Prathmesh Ashok	82	Wakale Akash Vyankati
41	Navghare Pavan Baburao	83	Wasule Anjali Raju
42	Nikalje Rushikesh Nitin	84	Zarekar Renuka Gangadhar



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

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

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

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

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

Ref : MCOPTL/2022-2023/215-1

Date : 24/12/2022

To,  
Ms. Mahima Sindhi,  
Testbook Skill Academy,  
Pune


Dear Madam,


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


We are highly obliged as you spent your valuable time and shared the personality development skills.


We look forward for your continuous association in future.

Thanking you,  
Yours truly,

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



  
Dr. P. D. Chaudhari  
Principal  
Principal  
P.E. S. Modern College of Pharmacy  
Sector No.21, Yamunanagar, Nigdi,  
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STRIVING TOWARDS EXCELLENCE FOREVER

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**Modern College of Pharmacy's Career Path 2022-2023**

An online webinar on the topic " Personality Development" by Ms. Mahima Sindhi A testbook Skill academy for final year B Pharmacy and second year M Pharmacy was conducted on 24<sup>th</sup> December 2022.

Training and placement cell of PES, Modern College of Pharmacy, Nigdi organized Online session for Final Year B. Pharm and Second Year M. Pharm. She explained about how personality plays an important role not only for cracking interview but also at work place. She discussed and cleared doubts about body language, Grooming, Clothing and Etiquette and how important communication skills are. At the end of the session students had interaction with Ms. Mahima Sindhi and guided about their queries. The session was very informative and helpful for the students in developing their personality. Total 84 students attended the session.

The poster is for a Skill Academy Campus Program Masterclass titled "Personality Development". It features a central photo of the speaker, Mahima Sindhi, with her credentials: Professional Edupreneur | Skills Sculpturist | ISTD, Dale Carnegie Certified Coach | 6+ Yrs Exp. The agenda includes: Role of Personality in Professional World, Tips & Tricks to Enhance Your Persona, Portfolio Building: How to Ace it. The session is scheduled for 24th December, Saturday, from 3:00 PM to 5:00 PM.

A testbook Skill Academy Webinar on Personality Development by Ms

Mahima Sindhi

Training and Placement Cell  
Dr. K. S. Shaikh



Principal

Dr. P. D. Chaudhari  
Principal

P. E. S. Modern College of Pharmacy  
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## MOU with Pursullence GBS LLP, Pune

### Summary of activities under MOU

Sr no	Academic Year	Name of Activity	No of beneficiaries	Start Date	End Date
1	2022-2023	Value Addition Course	190	11/02/2023	19/03/2023

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 **Progressive Education Society's**  
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DST FIST Funded College  
'Best College Award' by Savitribai Phule Pune University

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

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

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

Ref : \_\_\_\_\_ Date : 25/11/2021


**Memorandum of Understanding**

This Memorandum of Understanding is made at Pune on 25/11/2021

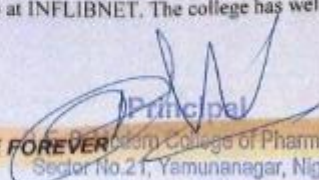
**BETWEEN**

**Progressive Education Society's Modern College of Pharmacy, Sector-21, Yamunanagar, Nigdi, Pune-44** (College of Pharmacy permanently affiliated to Savitribai Phule Pune university, Pune established under the roof of Progressive Education Society, Pune is a premier institution, represents a rich tradition of excellence in health and technology-based education. The college is approved by University Grants Commission, New Delhi under Section 2(f) and 12(B) of the UGC Act, 1956. The college is previously accredited by NAAC Bangalore and presently accredited by National Board of Accreditation, New Delhi and also awarded as Best Professional College by Savitribai Phule Pune University. The college is recognized as a Ph.D. research Centre for Pharmaceutics, Pharmacology and Pharmaceutical Chemistry by the University of Pune. The college is ranked 41 in 2017-18, secured rank in 76-100 band in 2018-19 and 74 in 2019-20 in NIRF National Ranking for institutions by MHRD, Govt. of India in pharmacy category.

The college has state-of-the-art infrastructure for study and research in Pharmaceutical and life sciences. The faculty of the college is competent, qualified, devoted and with an innate passion for carrying our research with relevance to current and contemporary needs. The college has well-furnished library which is enriched with Chemical Abstracts (1907-1986), e-library, language laboratory, and has subscribed to more than 3900 e-journals. The college has also subscribed to various national programs such as, National Program on Technology, Enhanced Learning (NPTEL) and National Library and Information Services Infrastructure for Scholarship (NLIST) at INFLIBNET. The college has well



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### Memorandum of Understanding

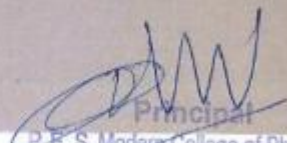
This Memorandum of Understanding is made at **Pune** on **25/11/ 2021**

#### **BETWEEN**

**Progressive Education Society's Modern College of Pharmacy, Sector-21, Yamunanagar, Nigdi, Pune-44** (College of Pharmacy permanently affiliated to Savitribai Phule Pune university, Pune established under the roof of Progressive Education Society, Pune is a premier institution, represents a rich tradition of excellence in health and technology-based education. The college is approved by University Grants Commission, New Delhi under Section 2(f) and 12(B) of the UGC Act, 1956. The college is previously accredited by NAAC Bangalore and presently accredited by National Board of Accreditation, New Delhi and also awarded as Best Professional College by Savitribai Phule Pune University. The college is recognized as a Ph.D. research Centre for Pharmaceutics, Pharmacology and Pharmaceutical Chemistry by the University of Pune. The college is ranked 41 in 2017-18, secured rank in 76-100 band in 2018-19 and 74 in 2019-20 in NIRF National Ranking for institutions by MHRD, Govt. of India in pharmacy category.

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**First Part,**

**AND**

PURSULLENCE GBS LLP Program, a training and consulting partner having its registered office at 739, Somwar Peth, Talegaon Dabhade, Pune 410506, hereinafter referred to as "PURSULLENCE GBS LLP" (which expression shall, unless it be repugnant to the subject or context thereof, include its successors and permitted assigns) of the Second Part

**WHEREAS:**

1. Progressive Education Society's Modern College of Pharmacy, Sector-21, Yamunanagar, Nigdi, Pune-44 is an Educational institution permanently affiliated to Savitribai Phule Pune university, Pune
2. Pursullence GBS LLP program is engaged in the field of education & employability domain that provides training and consultation to students, working professionals and corporates in affordable cost structure.
3. The "college" is willing to enter into a Memorandum of Understanding (MOU) with Pursullence GBS LLP for the skills enhancement training program through the technology platform or other face to face initiatives.

**NOW IT IS HEREBY AGREED BY AND BETWEEN THE PARTIES HERETO AS UNDER:**

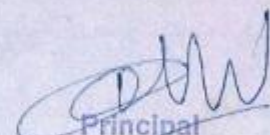
**1. Objective:**

The objective of this MOU is to enable students, Alumni and working professionals of the college access to resources that would enhance their employability & career prospects.

**2. Period of MOU:**

This MOU shall come into force and effect from the date of execution and shall remain valid for a period of 5 years from such date after which the same may be reviewed by either party. However, if the same is not renewed this arrangement will be deemed terminated on the expiry of the said duration period.



  
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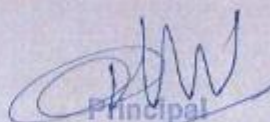
**3. Roles & Responsibilities of the College:**

- a. The College shall be responsible to establish a national level 'CENTER FOR PHARMACEUTICAL EXCELLENCE & ANALYTICS' in association with Team PURSULLENCE GBS LLP Program for training & consultation services in the area of pharmaceutical business excellence and analytics for students, alumni, working professionals, Healthcare corporates also includes-SMEs and Start-ups across country .
- b. The College shall be responsible to nominate one person with adequate accountability and responsibility to coordinate the engagement. The person so appointed would act as the single point of contact (SPOC) for the proposed initiative.
- c. The College shall share in their letterhead the details of the students who will attend the aforesaid training program with PURSULLENCE GBS LLP like name, email ID, contact details, Name of the Company in which Candidate is placed(current Company), qualification (along with the year of completion/pursuing) and other documents as per PURSULLENCE GBS LLP training requirements.
- d. The College shall provide support for establishing network, reaching out to potential prospective students across healthcare/ Pharma colleges, alumni, working professionals, corporates etc.) and ensure that proper publicity & promotion of the Program is made through College website and through adequate platforms.
- e. To encourage the Students, alumni, working professionals & corporates to register for the Program by informing them about the benefits of the program.
- f. To provide all the support services and facilities to PURSULLENCE GBS LLP during the conduct of the said Training & Consultation Program.
- g. To provide the placement details of the students who have undergone the aforesaid training.

**4. Roles & Responsibilities of PURSULLENCE GBS LLP:**

- a. PURSULLENCE GBS LLP shall be responsible to provide access to employability enhancement related activities through blended learning model that includes 'training & mentoring' at suitable schedules, simulated projects, tests & assessments, certifications,



  
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consultations, limited access to Business optimisation tool for deployment etc. under agreed terms with prospects.

- b. PURSULLENCE GBS LLP will facilitate placement of students with their client/ customer companies in suitable positions and also recruit for any of their own requirements.
- c. PURSULLENCE GBS LLP will assist college in facilitating promotional activities like conducting planned introductory / ice breaking sessions with prospects, developing content of marketing collaterals and will also promote the services of center across its network.

**5. Other Terms & Conditions:**

Following are the other terms and conditions of MOU:

- a. The students enrolled should complete the training as scheduled.
- b. Program Coordinator to be appointed by college.
- c. TPO's active support and participation is required for smooth & efficient conduct of the program.
- d. The College shall not write/publish any material or use any logos/names of PURSULLENCE GBS LLP/ in any of the publications without prior written consent and approval from PURSULLENCE GBS LLP.

**6. Commercial:**

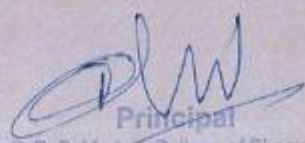
Center should strive for **monetization** of its services and both parties in agreement shall demonstrate requisite efforts to commercialize and monetize the services. Commercial i.e. revenue share shall be shared in proportion of 50% (Pursullence GBS LLP Program) 50% (College) for their services contributed in establishment of center and execution of its services. Commercial Agreement shall be subject to null and void, if any party is unable to fulfill agreed roles and responsibilities.

**7. Certification:**

Certificates shall be awarded jointly by PURSULLENCE GBS LLP in association with college to the participants on successful completion of the training and clearing of the assessment held post completion of the training program.

**8. Limitations and Warranties :**



  
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Both parties agree that it would be their endeavor to prevent any liability arising out of default or non-compliance of the MOU terms by the other party.

**9. Termination:**

- a. Both parties can terminate the MOU with a prior written thirty (30) day notice on default of terms or non-adherence to any condition or responsibilities by the other party as outlined in this MOU in case such default is not rectified within such 30 days.
- b. Both parties also agree that it would be their professional endeavour that despite any termination of the MOU, progress would continue, without any prejudice to the ongoing Training Programs, which would be without any hindrance and would be progressed for completion.

**10. Entirety & Amendment:**

This MOU contains the entire understanding between the Parties in relation to the Training Program. If during the operation of the MOU, circumstances may rise which call for alteration / modification to this MOU, such alteration / modification shall be mutually discussed and agreed upon in writing. Such changes will be formalized in writing as an 'Addendum' to this MOU. Any changes/amendments to this MOU not in conformance to this section shall be deemed to be void-ab-initio.

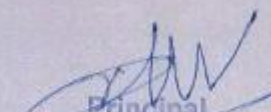
**11. Intellectual Proprietary Rights:**

All intellectual or proprietary property and information, supplied or developed by either Party shall be and remain the sole and exclusive property of the Party who supplied or developed same. Upon termination of this MOU and upon written request, the Party in receipt of the requesting Party's intellectual or proprietary property and/or information pursuant to this MOU shall return such information to the requesting Party.

**12. Confidential Information:**

- a. Both parties undertake to each other to keep confidential all information (written or oral) concerning the business and affairs of the other, which has been obtained or received during the course(s) of performance hereunder, save that which is inconsequential or obvious:



  
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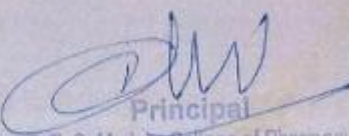


- b. Already in its possession other than as a result of a breach of this clause; or in the hands of the public other than as a result of a breach of this clause.
- c. In the event of any of the parties becoming legally compelled to disclose any confidential information, such party shall give sufficient notice to the other party so as to enable the other party to seek a timely protective order or any other appropriate relief. If such an order or other relief cannot be obtained, the party being required to make such a disclosure shall make the disclosure of the Confidential Information only to the extent that is legally required of it and no further.
- d. The College agrees not to deal directly or entering to any agreement with any clients of PURSULLENCE GBS LLP and with any competitor of Pursullence GBS LLP program that provides similar services and also refrain from delivering similar services with in-house resources without consent of Pursullence GBS LLP program for duration of agreement validation (i.e. 2 yrs.), should not share any information with them related to the services during the term of the agreement and also after the agreement have been terminated, not earlier than two years from the date of termination.

**13. Force Majeure:**

- a. Neither party to this MOU shall be liable for any failure or delay on its part in performing any of its obligations under this MOU, if such failure or delay shall be result of or arising out of Force Majeure conditions and, provided that the party claiming Force Majeure shall use its best efforts to avoid or remove such cause of non-performance and shall fulfil and continue performance hereunder with the utmost dispatch whenever and to the extent such cause or causes are removed.
- b. Any extraordinary event, which cannot be controlled by the parties, shall for the purpose of this MOU be considered as a Force Majeure event. Such events include acts of God, acts or omissions of any Government or agency thereof, compliance with rules, regulations or order of any Government Authority. Provided however, if either party claims that existence of any of the aforesaid conditions is delaying or disabling the performance by said party of its obligations under this MOU, such party shall give immediate notice to the other party of the existence of such conditions whose existence are claimed to delay or disable the performance of obligations as aforesaid.



  
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**14. Non-Solicitation:**

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

**15. Jurisdiction and Arbitration:**

a. In the event of any dispute or difference between the Parties hereto, the courts in Pune alone shall have exclusive jurisdiction to try any matter arising between the Parties here-to and accordingly both the Parties shall submit to the exclusive jurisdiction of courts in Pune, Maharashtra.

b. Any dispute arising out of, in relation to or in respect to this MOU shall be settled through mutual consultation and agreement, by the Parties to this MOU. In case a settlement is not arrived at within fifteen (15) days of reference, the dispute/s shall be referred to a sole arbitrator to be appointed in accordance to the Arbitration and Conciliation Act, 1996 as amended from time to time. The place of arbitration shall be Pune, India.

IN WITNESS WHEREOF, the Parties hereto have duly executed this Agreement as on the day, month and year first hereinabove written

For Modern College of Pharmacy Nigdi Pune

(Authorized Signatory)

Name: Dr.P.D.Chaudhari

Designation: Principal

Place: Pune

Date: 25/11/2021

Stamp:



For PURSULLENCE GBS LLP

(Authorized Signatory)

Name: Santosh Dnyaneshwar Awasarkar

Designation: Chief Mentor, Pursullence  
GBS LLP Program

Place: Pune

Date: 25/11/2021

Stamp:

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2022-2023

**BROUCHER**

**LEAN SIX SIGMA GREEN BELT For QBD**

Pharmaceutical Quality Assurance Department of PES's Modern College of Pharmacy, Nigdi, India in association with Mr. Santosh D. Awasarkar, Lean Six Sigma MBB, CEO-Founder @ Breath Apex IFP, India, under Center For Pharma Business Excellence (CPBE) introduces-

CSSC, USA Accredited

**LEAN SIX SIGMA GREEN BELT For QBD**

Lean Six Sigma For Quality by Design (QBD) principles have been adopted by the USFDA for the discovery, development, and manufacture of drugs. Infact, global regulatory bodies- USFDA, EMEA made it mandatory for drug manufacturers to implement QBD Compliances into their new drug applications. ICH Guidelines Q8, Q9, Q10 emphasizes QBD implementations. QBD principles in regulatory submissions ensures less hassle during review, fewer deficiencies leading to quicker approvals, fewer manufacturing problems, reduced number of post-market manufacturing supplements. QBD enhances ability to implement new technology that improves manufacturing without regulatory scrutiny. Set of expertise of Lean Six Sigma (DFSS-DMA, DV, DOE, SPC in QbD will create a synergy to deploy a structured statistical approach in designing & developing quality product. Hence, every global & Indian Pharma/ Biotech company need experts who can advise & deploy these high in demand skillsets.

PES's Modern College of Pharmacy, Nigdi, India in association with Mr. Santosh D. Awasarkar, Lean Six Sigma MBB, CEO-Founder @ Breath Apex IFP, India, under Center For Pharma Business Excellence (CPBE) introduces-

CSSC, USA Accredited

**LEAN SIX SIGMA GREEN BELT For QBD**

(For Global Pharma-Biotech Industry / IT- Healthcare Aspirants & Foreign Studies Aspirants)

Center For Pharma Business Excellence Patron :

Dr. Pravin D. Chaudhari,


Principal, PES's Modern College Of Pharmacy, Pune.


Former President (Central) Association of Pharmaceutical Teachers of India (2016-till date).

Former Co Chairman, L.O.C., 69TH IPC 2017

Former Dean, Faculty of Pharmaceutical Sciences, Savitribai Phule Pune University (2011-2015)

Chairman, Research & Recognition Committee, Savitribai Phule Pune University (2011-2015).





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Former member senate, Academic council, BOE, Standing Committee, Savitribai Phule Pune University

Program Salient Features:

- a.) USA accredited Training & Certification Program with Breath Apex IFP's Copyrighted DOE & Statistical Analytics Tools based Physical Simulated Project (Learn By Actually Doing It!)
- b.) Online / Classroom Training for 6 Weekends (1.5 Hrs / Sat & Sun) + 3 Capstone/ Practice Projects, For 30 Hrs. Equivalent to 2 Credit Hrs.
- c.) Program Fees (For Corporates / Businesses): Rs. 15000 /- ;
- d.) Under "Skill For All" Initiative For Students @ Donation Of: Rs. 1000/- (In India); Rs. 5500 / USD 75 (For Rest Of World).
- e.) Eligibility : 3rd / Final Yr B. Pharm, 1st / 2nd Yr. M. Pharm, BSc / MSc ( Biotech / Chemistry / Micro Biology ), BE, ME (Chem/Prod/Ind. Engg.), BBA/MBA- Pharma/Biotech.

Program Course Modules:

Module 1. What is QBD, Principles of ICH Q8 CR2), (ICH Q9), (ICH Q10)

Module 2. Definition of QTPP, CQAs, CPPs, CMAs.

Module 3. Importance & History of Quality by Design (QbD) & Lean Six Sigma.

4. DMADV (Define, Measure, Analyze, Design, Verify) vs. DMAIC (Design, Measure, Analyze, Implement & Control);

Module 5. Determining Critical Quality Attributes (CQAs) based on Product Quality, Patient Safety & Efficacy.

Module 6. VOC Drill down, Critical-to- quality or Critical-to- safety, Critical-to- efficacy, Critical-to- delivery, Critical-to- cost), VOP, SIPOC, High Level Process Mapping & Fishbone Diagram.


Module 7. Risk Analysis With Failure Modes Effects Analysis (FMEA) & Pareto Analysis, Process Lever Diagnostics Design.

Module 8. Project Charter, Problem Statement & Goal Statement, Project Scoping, Est. Project Benefit / Project QNS, Developing Performance Standard Documents. Project Communication: RACI Model (Responsible, Accountable, Consulted & Informed)

Module 9. FMEA, CI Matrix Driven Prioritization Of Critical Material Attributes (CMAs) & Critical Process Parameters (CPPs) With respect to CQAs.

Module 10. Principles, History & Types of DOE Designs, Full Factorial Design, Randomization, Replication, Repetition.



  
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Module11. Develop DoE Design Space, Deployment & Measurement of Responses(s), Development of regression model to Verify Design Space.

Module12. Hypothesis testing, p value, Alpha value, Regression Coefficient, R Square Analysis, DOE Descriptive analysis: Pareto Plot, Main Effect Plot, Interaction Effect Plot & Cube Plots. Statistical Inferential Analysis: Analysis of Model Variance.

Module13. CMAs / CPPs Optimization With Respect To CQAs.

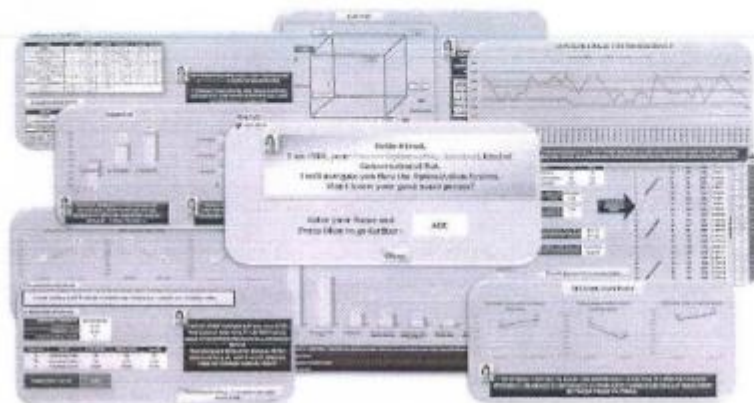
Module14. Process Improvement Statistical Validation With 2 Proportion Test.

Module15. Determination Of Process Capability: Measurement Of Process Performance Indices- DPMO, DPU, DPO, SIGMA (LT & ST). Prediction Of Process Capability.

Module16. Process Design Scale Up & Development Of Control Plan:- Monitoring Plan & Response Plan For CMAs, CPPs, & CQAs.

Module17. Statistical Process Control: - Control Charts, Combined Control Charts, Selection & Application Of Attribute Control Charts: Control Charts (p chart, nP chart)

Module18. Process Control Validation & Determination of Process Capability.



Program Mentor:

Mr. Santosh D. Awasarkar, LSSMBB, LSSBB, PMP,


MBA, B.Pharm, QBD-DOE Practitioner, PhD. Drop Out, University Of Wisconsin Madison, USA.

Sr. Consultant, TNS Pvt. Ltd, Singapore,

Co-Founder & Director, Granullence Technology LLP; Co-Founder & Director, Pursuence GBS LLP,

Accredited Trainer, CSSC, USA




  
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PROGRAM REGISTRATION LINK-<https://forms.gle/MPNACSiXDGkA4UT6>



  
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#### LEAN SIX SIGMA GREEN BELT For QBD.

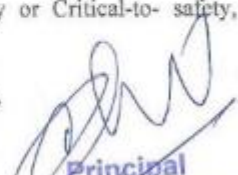
Department of Pharmaceutical Quality Assurance of PES's Modern College of Pharmacy, Nigdi, India in association with Mr. Santosh D. Awasarkar, Lean Six Sigma MBB, CEO-Founder @ Breath Apex IFP, India, under Centre For Pharma Business Excellence (CPBE) -CSSC, USA Accredited had conducted value addition certificate course of LEAN SIX SIGMA GREEN BELT For QBD.

Lean Six Sigma For Quality by Design (QBD) principles have been adopted by the USFDA for the discovery, development, and manufacture of drugs. Infact, global regulatory bodies- USFDA, EMEA made it mandatory for drug manufacturers to implement QBD Compliances into their new drug applications. ICH Guidelines-Q8, Q9, Q10 emphasizes QBD implementations. QBD principles in regulatory submissions ensures less hassle during review, fewer deficiencies leading to quicker approvals, fewer manufacturing problems, reduced number of post-market manufacturing supplements. QBD enhances ability to implement new technology that improves manufacturing without regulatory scrutiny. Set of expertise of Lean Six Sigma (DFSS-DMADV, DOE, SPC in QbD will create a synergy to deploy a structured statistical approach in designing & developing quality product. Hence, every global & Indian Pharma/ Biotech company need experts who can advise & deploy these high in demand skillsets.

The course was designed for Final Year B. Pharmacy and M.Pharm First year & Second Year. It was conducted in two batches. The first batch was conducted on following dates 11/02/2023, 12/2/2023, 18/02/2023, 19/02/2023, 11/03/2023. The second batch was conducted on 16/03/2023, 17/03/2023, 18/03/2023, 19/03/2023, 1/04/2023, 02/04/2023, 08/04/2023. During this course following 18 modules were conducted

- What is QBD
- Principles of ICH Q8 CR2), (ICH Q9), (ICH Q10)
- Definition of QTPP, CQAs, CPPs, CMAs.
- Importance & History of Quality by Design (QbD)
- Lean Six Sigma. DMADV (Define, Measure, Analyze, Design, Verify) vs. DMAIC (Design, Measure, Analyze, Implement & Control);
- Determining Critical Quality Attributes (CQAs) based on Product Quality, Patient Safety & Efficacy. VOC Drill down, Critical-to- quality or Critical-to- safety, Critical-to- efficacy,
- Critical-to- delivery, Critical-to- cost), VOP, SIPOC.



  
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- High Level Process Mapping & Fishbone Diagram. Risk Analysis With Failure Modes Effects Analysis (FMEA) & Pareto Analysis.
- Process Lever Diagnostics Design. Project Charter, Problem Statement & Goal Statement, Project Scoping, Est. Project Benefit / Project QNS, Developing Performance Standard Documents.
- Project Communication: RACI Model (Responsible, Accountable, Consulted & Informed) FMEA, CI Matrix Driven Prioritization Of Critical Material Attributes (CMAs) & Critical Process Parameters (CPPs) With respect to CQAs. Principles,
- History & Types of DOE Designs, Full Factorial Design, Randomization, Replication, Repetition. Develop DoE Design Space, Deployment & Measurement of Responses(s),
- Development of regression model to Verify Design Space. Hypothesis testing, p value, Alpha value, Regression Coefficient, R Square Analysis, DOE Descriptive analysis: Pareto Plot, Main Effect Plot,
- Interaction Effect Plot & Cube Plots, Statistical Inferential Analysis: Analysis of Model Variance. CMAs / CPPs Optimization With Respect To CQAs. Process Improvement Statistical Validation With 2 Proportion Test.
- Determination Of Process Capability: Measurement Of Process Performance Indices- DPMO, DPU, DPO, SIGMA (LT & ST).
- Prediction Of Process Capability. Process Design Scale Up & Development Of Control Plan:- Monitoring Plan & Response Plan For CMAs, CPPs, & CQAs.
- Statistical Process Control: - Control Charts, Combined Control Charts, Selection & Application Of Attribute Control Charts: Control Charts (p chart, nP chart) . Process Control Validation & Determination of Process Capability.

During the conduct of course Mr. Santosh Awsarkar explained the various topics in detail. The course is very useful for Pharmacy professional. The students were very much engaged during this course. The final examination was conducted on 26/05/2023 at college. The college has taken feedback from each student about the course. The feedback was excellent about overall conduct of course. Every student who passed the examination was awarded with a certificate.



  
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**Batch I Day 1:**

- Module: What is QBD, Principles of ICH Q8 CR2, (ICH Q9), (ICH Q10), Definition of QTPP, CQAs, CPPs, CMAs, Importance & History of Quality by Design (QbD), Lean Six Sigma, DMADV (Define, Measure, Analyze, Design, Verify) vs. DMAIC (Design, Measure, Analyze, Implement & Control);



Mr. Santosh Awsarkar at the introductory session explaining important modules



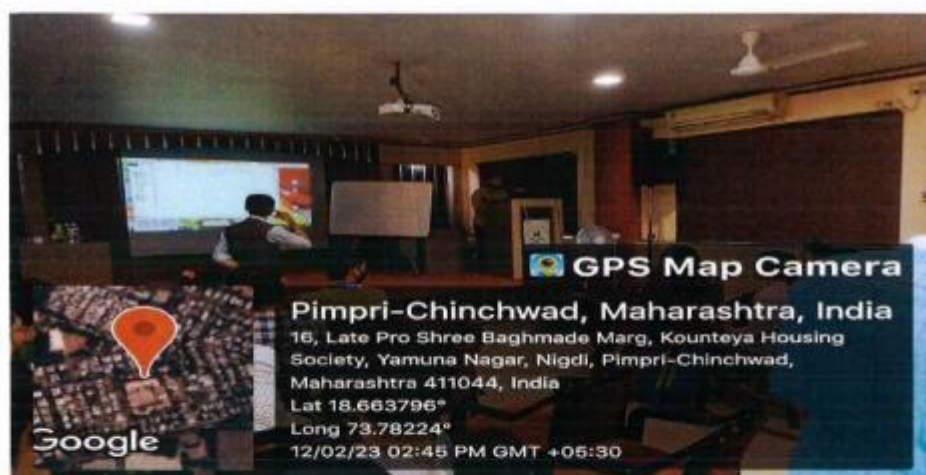
  
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**Batch I Day 2**

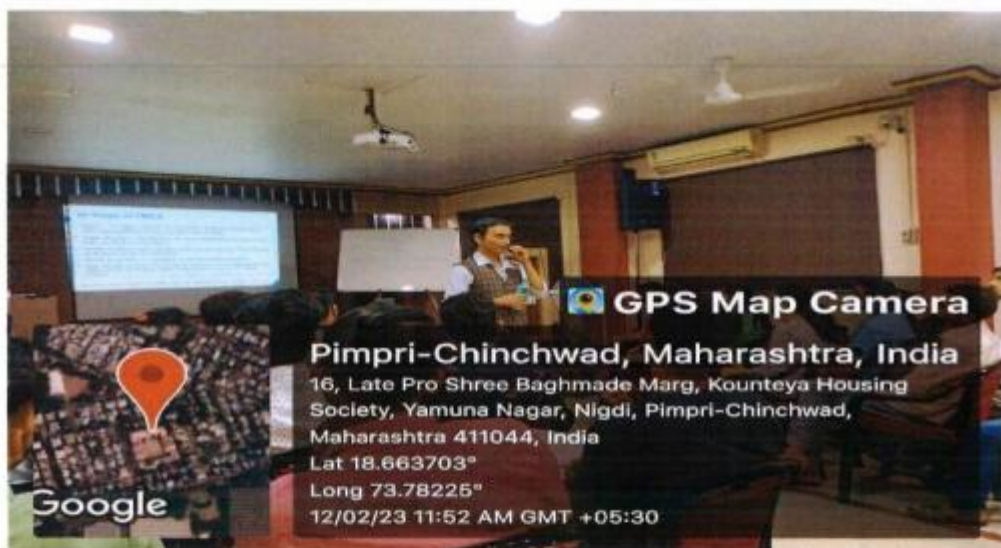
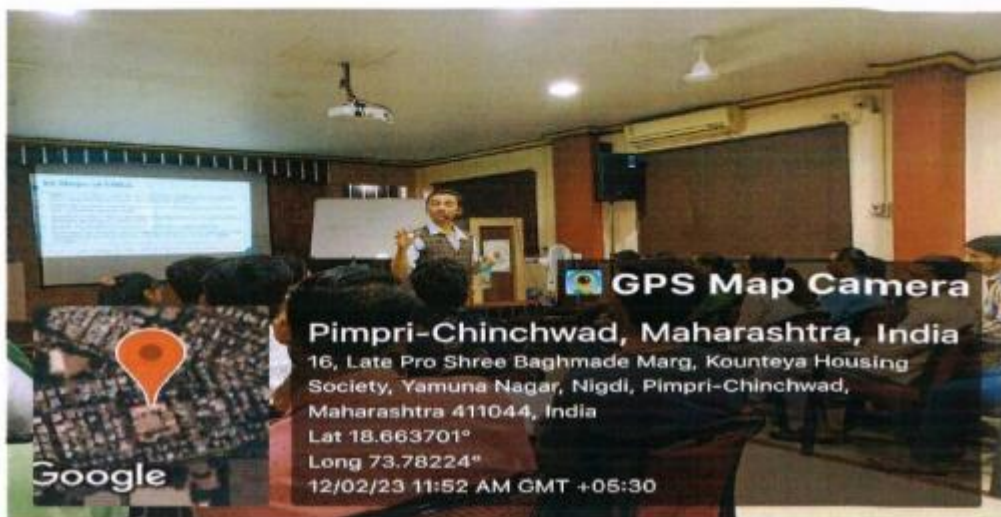
- Module Determining Critical Quality Attributes (CQAs) based on Product Quality, Patient Safety & Efficacy.. VOC Drill down, Critical-to- quality or Critical-to- safety, Critical-to- efficacy, Critical-to- delivery, Critical-to- cost), VOP, SIPOC, High Level Process Mapping & Fishbone Diagram.Risk Analysis With Failure Modes Effects Analysis (FMEA) & Pareto Analysis, Process Lever Diagnostics Design.Project Charter, Problem Statement & Goal Statement, Project Scoping, Est. Project Benefit / Project QNS, Developing Performance Standard Documents




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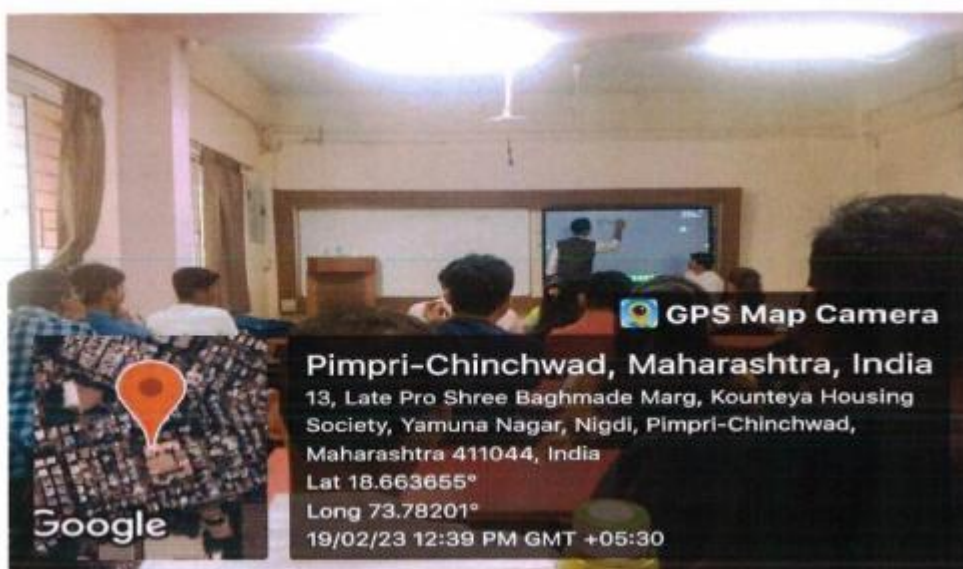


  
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**Batch I Day 3**

- Module Project Communication: RACI Model (Responsible, Accountable, Consulted & Informed) FMEA, CI Matrix Driven Prioritization Of Critical Material Attributes (CMAs) & Critical Process Parameters (CPPs) With respect to CQAs. Principles, History & Types of DOE Designs, Full Factorial Design, Randomization, Replication, Repetition. Develop DoE Design Space, Deployment & Measurement of Responses(s) Development of regression model to Verify Design Space. Hypothesis testing, p value, Alpha value, Regression Coefficient, R Square Analysis, DOE Descriptive analysis: Pareto Plot, Main Effect Plot

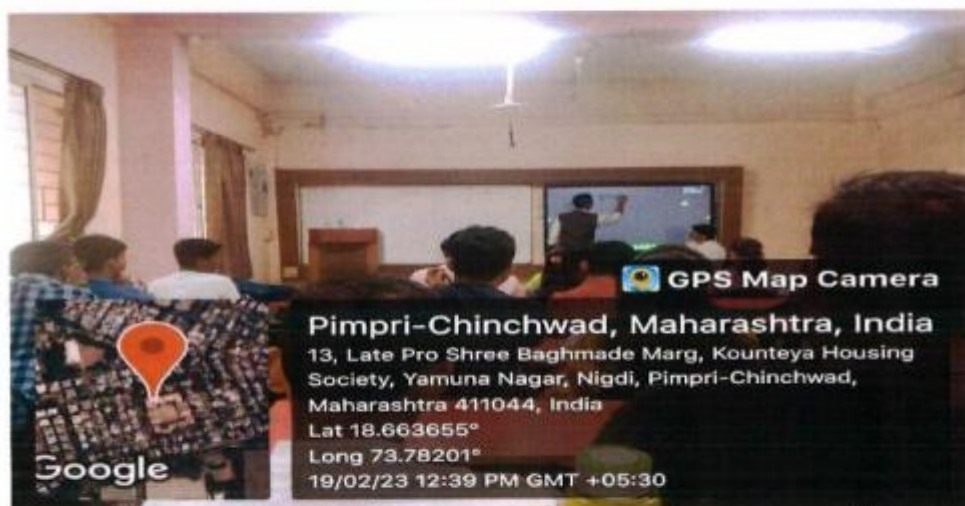
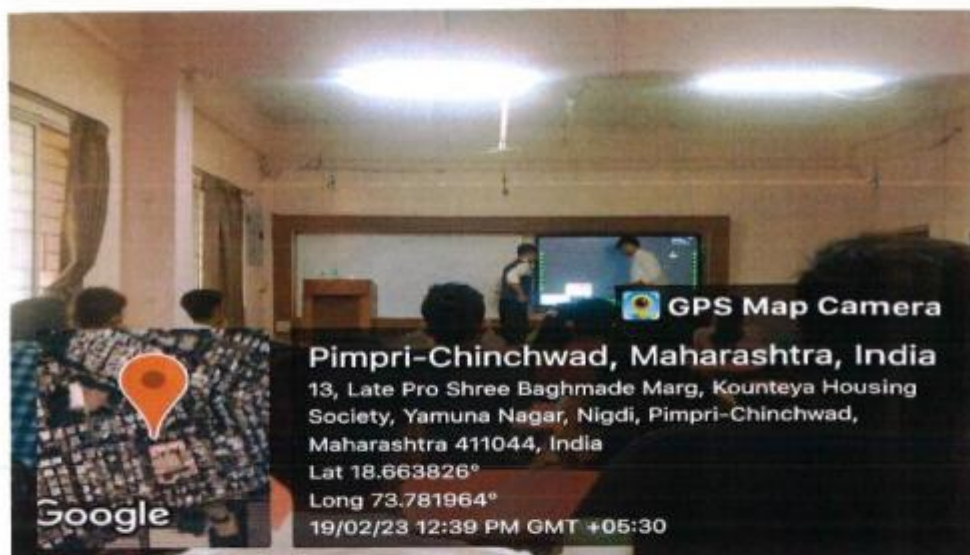


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**Batch I Day 4**

- Module Interaction Effect Plot & Cube Plots. Statistical Inferential Analysis: Analysis of Model Variance. CMAs / CPPs Optimization With Respect To CQAs. Process Improvement Statistical Validation With 2 Proportion Test.



*[Signature]*  
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**Batch I Day 5**

**Module:** Determination Of Process Capability: Measurement Of Process Performance Indices- DPMO, DPU, DPO, SIGMA (LT & ST)., Prediction Of Process Capability. Process Design Scale Up & Development Of Control Plan:- Monitoring Plan & Response Plan For CMAs, CPPs, & CQAs. Statistical Process Control: - Control Charts, Combined Control Charts, Selection & Application Of Attribute Control Charts: Control Charts (p chart, nP chart). Process Control Validation & Determination of Process Capability



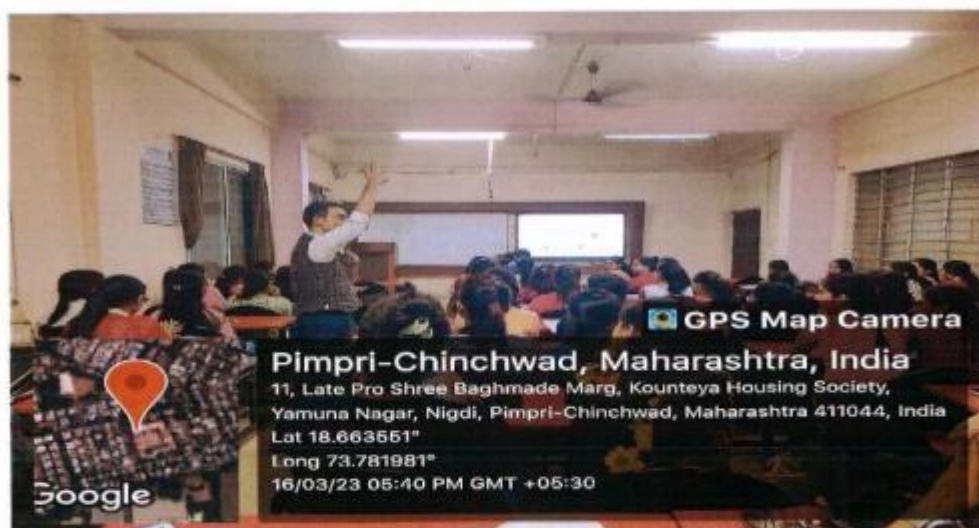
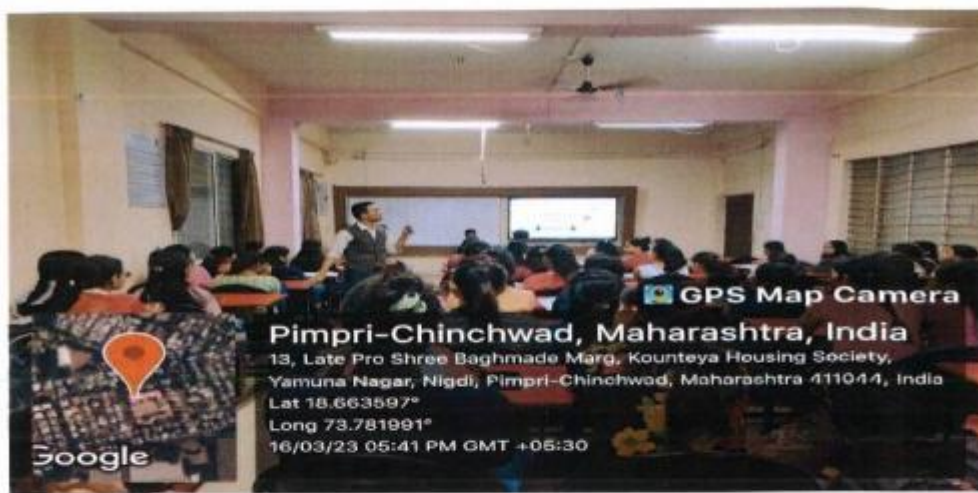
*[Signature]*  
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## BATCH II

### Day 1

- Module: What is QBD, Principles of ICH Q8 CR2), (ICH Q9), (ICH Q10), Definition of QTPP, CQAs, CPPs, CMAs, Importance & History of Quality by Design (QbD), Lean Six Sigma, DMADV (Define, Measure, Analyze, Design, Verify) vs. DMAIC (Design, Measure, Analyze, Implement & Control);



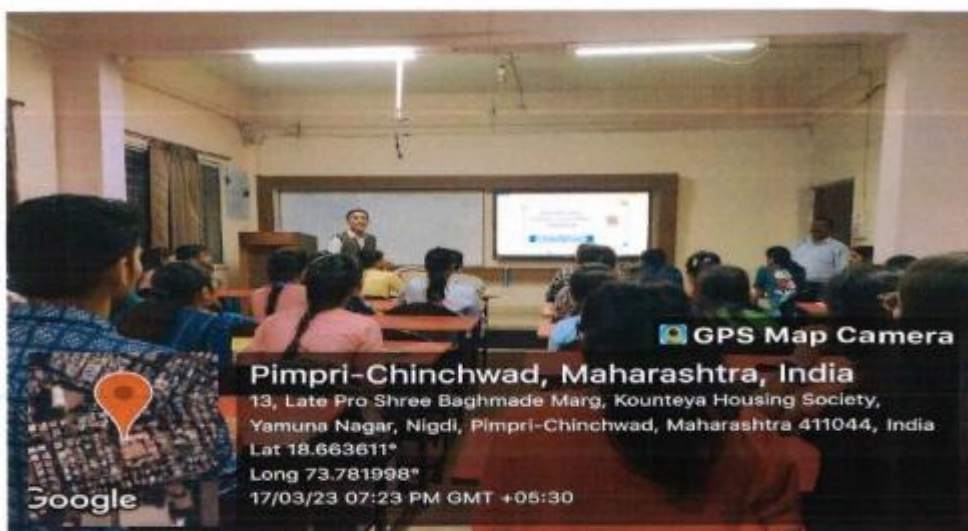
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**Day 2**

Module Determining Critical Quality Attributes (CQAs) based on Product Quality, Patient Safety & Efficacy., VOC Drill down, Critical-to- quality or Critical-to- safety, Critical-to- efficacy, Critical-to- delivery, Critical-to- cost), VOP, SIPOC, High Level Process Mapping & Fishbone Diagram. Risk Analysis With Failure Modes Effects Analysis (FMEA) & Pareto Analysis, Process Lever Diagnostics Design. Project Charter, Problem Statement & Goal Statement, Project Scoping, Est. Project Benefit / Project QNS, Developing Performance Standard Documents



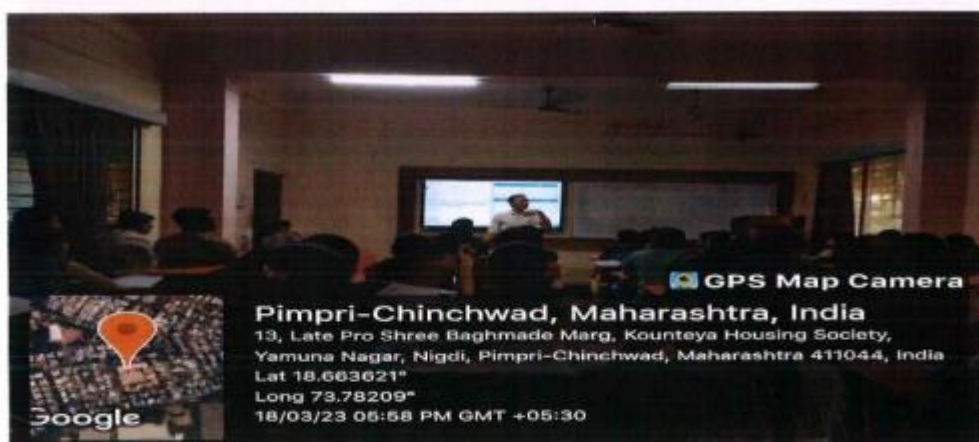
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**Day 3**

- Module Project Communication: RACI Model (Responsible, Accountable, Consulted & Informed) FMEA, CI Matrix Driven Prioritization Of Critical Material Attributes (CMAs) & Critical Process Parameters (CPPs) With respect to CQAs. Principles, History & Types of DOE Designs, Full Factorial Design, Randomization, Replication, Repetition, Develop DoE Design Space, Deployment & Measurement of Responses(s) Development of regression model to Verify Design Space. Hypothesis testing, p value, Alpha value, Regression Coefficient, R Square Analysis, DOE Descriptive analysis: Pareto Plot, Main Effect Plot




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Day 4

- Module Interaction Effect Plot & Cube Plots. Statistical Inferential Analysis: Analysis of Model Variance. CMAs /CPPs Optimization With Respect To CQAs. Process Improvement Statistical Validation With 2 Proportion Test.



  
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Day 5,6,7

Determination Of Process Capability: Measurement Of Process Performance Indices- DPMO, DPU, DPO, SIGMA (LT & ST), Prediction Of Process Capability. Process Design Scale Up & Development Of Control Plan:- Monitoring Plan & Response Plan For CMAs, CPPs, & CQAs. Statistical Process Control: - Control Charts, Combined Control Charts, Selection & Application Of Attribute Control Charts: Control Charts (p chart, nP chart) . Process Control Validation & Determination of Process Capability

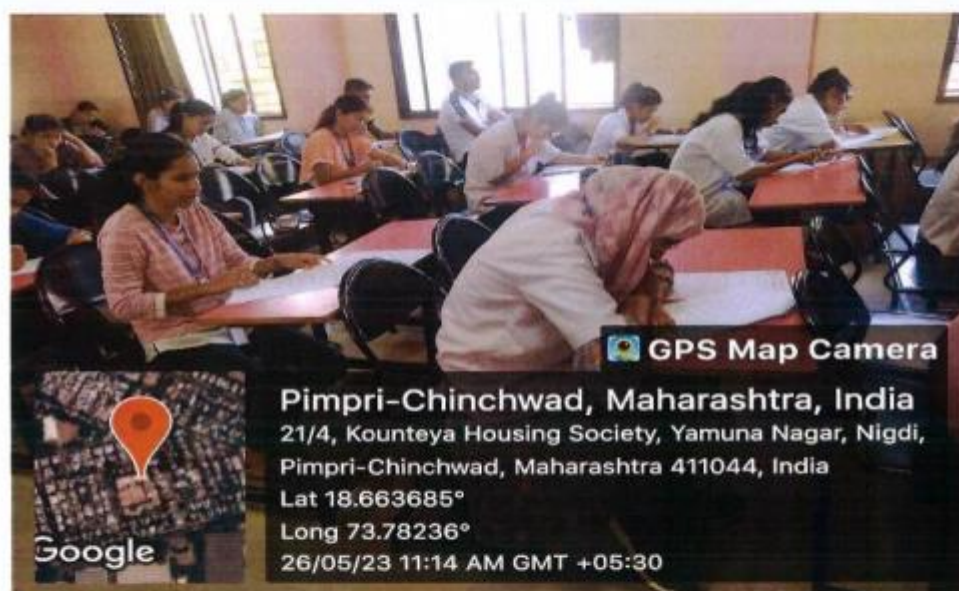
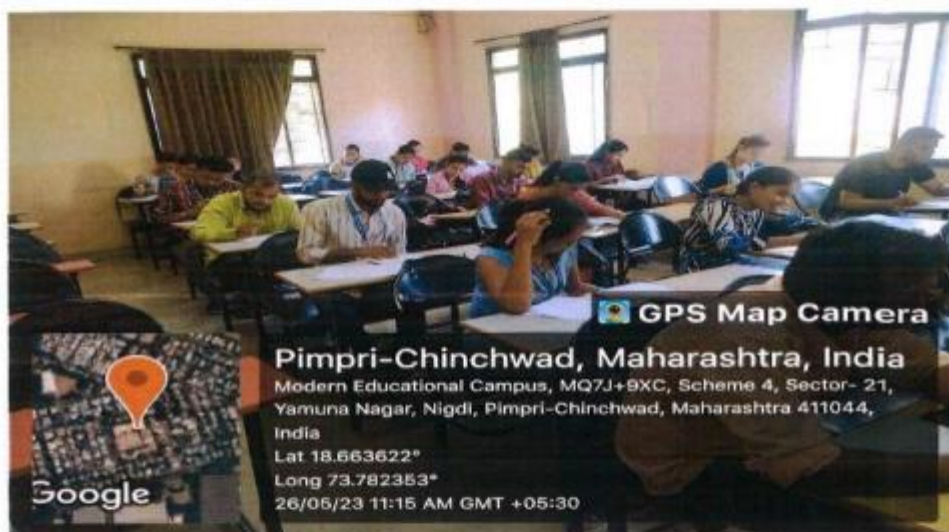


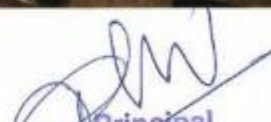
*[Signature]*  
**Principal**  
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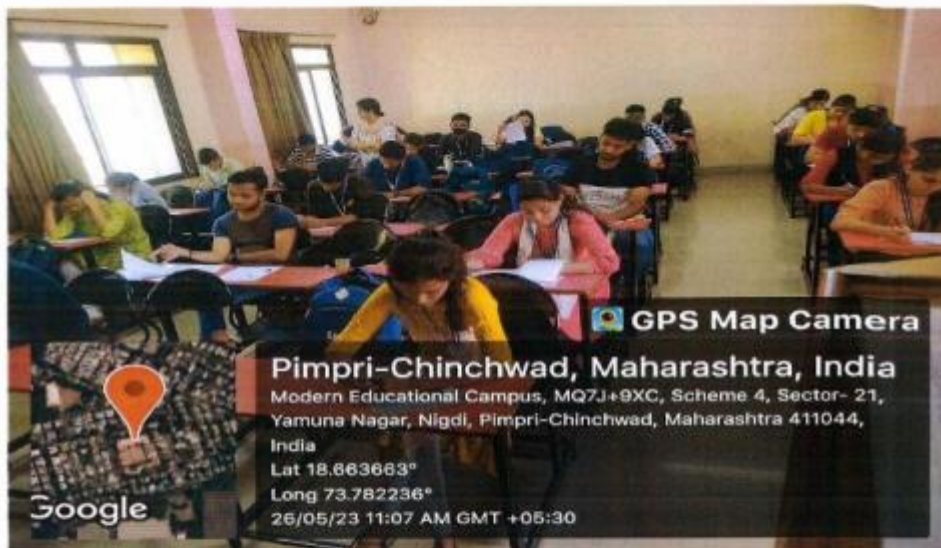



B.Pharm & M.Pharmacy students during final examination of six sigma green belt course



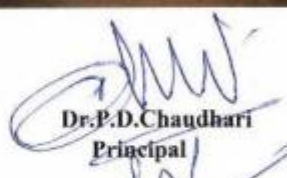

  
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Dr.K.S.Shaikh  
H.O.D.  
Dept.of Pharmaceutical Quality Assurance  
TPO.



  
Dr.P.D.Chaudhari  
Principal  
  
Principal  
P. E. S. Modern College of Pharmacy  
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P. E. Society's  
Modern College of Pharmacy, Nigdi, Pune.  
Academic Year 2022-23

## Attendance sheet

Date: 16/03/2023

Department of Pharmaceutical Quality Assurance of Modern college of Pharmacy Nigdi in collaboration with Pursuence GBS LLP's Value addition course on LEAN SIX SIGMA (LSS) GREEN BELT (BATCH II)

Sr.No	Name	B.Pharm/ M.Pharm	Branch	Sign
65	1. Chopade Dnyaneshwarir	m.pharm	P'chemistry	<i>[Signature]</i>
66	2. vyavahare Teadhikar	M.pharm	II -	<i>[Signature]</i>
67	3. kamble Virendra	-	-	<i>[Signature]</i>
68	4. Venkharu Kharate	-II-	QAT	<i>[Signature]</i>
69	5. Salunkhe. Manisha	M.Ph	QAT	<i>[Signature]</i>
70	6. Vaze. Usha	M.ph	P'chem's	<i>[Signature]</i>
71	7. Ajay Patange	M.ph	QAT	<i>[Signature]</i>
72	8. Anushri Deulkar	m.pharm	Chemistry	<i>[Signature]</i>
73	9. Damruddhi Ingle	M'pharm	Chemistry	<i>[Signature]</i>
74	10. Jadhav Sneha Satish	M.ph	P'ceutics	<i>[Signature]</i>
75	11. Salgar Roja Bharat	Mph	P'ceutics	<i>[Signature]</i>
76	12. Rushikesh Nikalje	m.ph	QAT	<i>[Signature]</i>
77	13. Shirath Sanket	-	Chem	<i>[Signature]</i>
78	Shravani Agalave	B.Pharm	-	<i>[Signature]</i>
79	Godharte Amrut	M.pharm	-	<i>[Signature]</i>
80	Shraddha. Shingade	B-Pharm	-	<i>[Signature]</i>

Dr. K. S. Shaikh  
(HOD Dept of PQA)

Mr Santosh D. Awasarkar,  
( Director @ Pursuence GRS, LLP )



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Academic Year 2022-23

## Attendance sheet

Date: 16/03/2023

Department of Pharmaceutical Quality Assurance of Modern college of Pharmacy Nigdi in collaboration with Pursuence GBS LLP's Value addition course on LEAN SIX SIGMA (LSS) GREEN BELT (BATCH II)

Sr.No	Name	B.Pharm/ M.Pharm	Branch	Sign
1.	Snehal H. Kashure	m.Pharm	Pharmacy	Snehal
2.	Arpita V. Yabangli	m.Pharm	Pharmacy	Arpita
3.	Ravika P. Babhulkar	m.Pharm	Pharmacy	Ravika
4.	Renuka G. Zarekar	m.Pharm	QAT	Renuka
5.	Neha Shegokar	M.Pharm	QAT	Neha
6.	Varsha Sunil Pawar	M.Pharm	QAT	Varsha
7.	Pawan Baburam Naughar	M.Pharm	QAT	Pawan
8.	Abhishek Nagure	m.Pharm	QAT	Abhishek
9.	Prathmesh M. Nale	M.Pharm	QAT	Prathmesh
10.	Abhijeet Prabhakar More	m.Pharm	QAT	Abhijeet
11.	Ganpada Kundlik Rakhe	m.Pharm	QAT	Ganpada
12.	Namrata Jayawant Daphale	M.Pharm	QAT	Namrata
13.	Aashvini Trupti Bhavsheb	m.Pharm	Pharmacy	Aashvini
14.	Shahin Fiza Vahed	M.Pharm	Pharmacy	Shahin
15.	Bhand Nalin Machhindra	m.Pharm	Pharmacy	Bhand
16.	more Ganeshji Pandurang	m.Pharm	Pharmacy	more

Dr. K. S. Shaikh  
(HOD Dept of PQA)

Mr Santosh D. Awasarkar,  
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P. E. Society's  
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Academic Year 2022-23

## Attendance sheet

Date: 16/03/2023

Department of Pharmaceutical Quality Assurance of Modern college of Pharmacy Nigdi in collaboration with Pursuence GBS LLP's Value addition course on LEAN SIX SIGMA (LSS) GREEN BELT (BATCH II)

Sr.No	Name	B.Pharm/ M.Pharm	Branch	Sign
17	1. Madhuri Ashok Gorgude	M.Pharm	P'ology	Madhuri
18	2. Anjali Sunil Gaikwad	M.Pharm	ology	Anjali
19	3. Venekar Purva Vighneshwar	M.Pharm	P'ology	Venekar
20	4. Alfiya M. Biradar	M.Pharm	P'ology	Alfiya
21	5. Mohini Bharat Jadhav	M.Pharm	P'ology	Mohini
22	6. Gharadha Shivaji Tikate	M.Pharm	Pharmaceutics	Gharadha
23	7. Deshpande Shubham Sharad	-	P'ology	Deshpande
24	8. Anurag Vishnu Sureshwar	-	P'ology	Anurag
25	9. Sonal Sable	-	P'ology	Sonal
26	10. Pathan Adil M	-	P'ology	Pathan
27	11. Bhand Nitin M	-	P'ology	Bhand
28	12. Verendra Kambale	-	Chem	Verendra
29	13. Sakshi Sonawane	-	P'ology	Sakshi
30	14. Harshal Patil	-	P'ology	Harshal
31	15. Divya Dharmakar	-	P'ology	Divya
32	16. Kalyani Ghotekar	-	P'ology	Kalyani
17	more	-	P'ology	more

Dr. K. S. Shaikh  
(HOD Dept of PQA)

Mr Santosh D. Awasarkar,  
( Director @ Pursuence, GBS, LLP )

\* These are sample Attendance copies of total No. of beneficiaries are value Addition



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Department of Pharmaceutical Quality Assurance of  
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a Value Addition Course on  
LEAN SIX SIGMA (LSS) GREEN BELT (Breath Program).

Enrollment Form

Academic Year: 2022-23

1. Full Name in capitals:

NAGALAPUR POOSA PRABHU

2. Permanent Address:

Rajashree Hsg Society, E-8,  
Indrayanagar, Bhosari, Pune.

3. Roll No.:

CH-109

4. Class:

M. pharm

5. Department:

Pharmaceutical Chemistry.

6. Semester:

Sem - 1

7. Contact number:

9370078814

8. Email:

poojanagapur2000@gmail

Pooja . P. Nagalapur  
Name and Signature of the Student

*Pooja*



Principal

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Pursuence GBS I.I.P Launches  
a Value Addition Course on  
LEAN SIX SIGMA (LSS) GREEN BELT (Breath Program).

Enrollment Form

Academic Year: 2022-23

1. Full Name in capitals: MS- SAMIKSHA SANTAY PATOKAR
2. Permanent Address: ROKDIYA NAGAR, KHAMGAON ROAD,  
SHEGAON, BULDHANA - 444203
3. Roll No.: CH 111
4. Class: F.Y. M.Pharm (Chemistry)
5. Department: Chemistry
6. Semester: Semester I<sup>st</sup>
7. Contact number: 7083910052
8. Email: samikshapatokar@gmail.com

spatokar  
Samiksha. S. Patokar  
Name and Signature of the Student



[Signature]  
Principal  
P. E. S. Modern College of Pharmacy  
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Department of Pharmaceutical Quality Assurance of  
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in collaboration with  
Pursuence GBS I.I.P Launches  
a Value Addition Course on  
LEAN SIX SIGMA (LSS) GREEN BELT (Breath Program).

Enrollment Form

Academic Year: 2022-23

1. Full Name in capitals:

MAKEY OMKAR DATTATRAY

2. Permanent Address:

Rx 2/3 Dewdant Housing Society  
MIDC Waluj, Bajaj Nagar,  
Aurangabad

3. Roll No.:

CH-107

4. Class:

M-Pharm First Year

5. Department:

Chemistry

6. Semester:

Ist

7. Contact number:

8767379559

8. Email:

makeyomkar123@gmail.com

Omkar Makey  
Name and Signature of the Student



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## MOU with Inducare Pharma Pvt Ltd, Pune

### Summary of activities under MOU

Sr no	Academic Year	Name of Activity	Title	Name of faculty	No of beneficiaries	Start Date	End Date
1	2022-2023	Collaborative Research	Chemical fingerprinting of curcumin and berberine in selected ayurvedic formulations and herbs recommended for skin infection	1. KalyaniKakad 2. Pallavi M Patil	02	11/06/2022	12/05/2023

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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

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

**STRIVING TOWARDS EXCELLENCE FOREVER**

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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.

#### **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

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**Principal**  
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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

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Principal

P. E. S. Modern College of Pharmacy  
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- 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.

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Principal  
P. E. S. Modern College of Pharmacy  
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Pune - 411 044.


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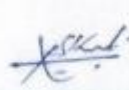


- f) The findings of the research work shall be published or patent jointly by the parties.
- g) If the results of this joint project are able to attract commercial utilization, then the financial benefit shall be shared between the two parties equally or through any mutually agreed arrangements.
- h) 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,  
E. S. Modern College of Pharmacy  
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.



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**2022-2023**

IJBPA, June, 2023, 12(6): 2536-2545 ISSN: 2277-4998

 **International Journal of Biology, Pharmacy and Allied Sciences (IJBPA)**  
*'A Bridge Between Laboratory and Reader'*  
[www.ijbpas.com](http://www.ijbpas.com)

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**CHEMICAL FINGERPRINTING OF CURCUMIN AND BERBERIN IN  
SELECTED AYURVEDIC FORMULATION AND HERBS  
RECOMMENDED FOR SKIN INFECTION**

**KAKAD KALYANI S<sup>1</sup>, NAWALE S<sup>2</sup>, PATIL PM<sup>3</sup>, KUTE R<sup>4</sup>, MALODE SS<sup>5</sup>,  
NEMMANIWAR AS<sup>1</sup>, DHOLE ON<sup>1</sup> AND RAUT PL<sup>1</sup>**

1: Department of Pharmacognosy, Progressive Education Society's Modern College of  
Pharmacy, Sector -21, Yamunanagar Nigdi, Pune-411044, Maharashtra, India

2: Department of Pharmacognosy, Gokaraju Rangaraju College of Pharmacy, Nizampet,  
Bachupally, Hyderabad, 500090 (Osmania University), India

3: Associate Professor, Progressive Education society's Modern College of Pharmacy, Sector -  
21, Yamunanagar

4: Inducare Pharma Pvt. Ltd., 1750, Morgaon road, Jejuri, Tal. - Purandar, Dist. - Pune.

5: Department of Pharmaceutics, NGSPM'S College of Pharmacy, Brahma Valley Education  
Campus, Anjaneri Nashik-422213

\*Corresponding Author: Dr. Kakad Kalyani Shrinivas: E Mail: [kk\\_pharma20@rediffmail.com](mailto:kk_pharma20@rediffmail.com)

Received 10<sup>th</sup> July 2022; Revised 15<sup>th</sup> Aug. 2022; Accepted 15<sup>th</sup> Sept. 2022; Available online 1<sup>st</sup> June 2023


<https://doi.org/10.31032/IJBPA/2023/12.6.7099>

**ABSTRACT**

Natural products have great potential to treat diverse kinds of skin diseases. In India more than 75% peoples are depends on the traditional health care system and now a days different natural product-based products are used to treat skin diseases. The objective of this study is to detect the active compounds of particular Ayurvedic medicines suggested for skin treatment. The selected polyherbal liquid preparation traditionally recommended for management of various kinds of skin related infections, like acne, fungal infection, vitiligo, psoriasis, chronic itching.

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IJBPA, June 2023, 12(6)



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

2536

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## MOU with GTT Foundation, Pune


### Summary of activities under MOU

Sr no	Academic Year	Name of Activity	No of beneficiaries	Start Date	End Date
1	2021-2022	1. Online soft skills training programme	130	20/01/2022	22/01/2022
		2. Online soft skills training programme	126	24/03/2022	26/03/2022
2	2022-2023	Online soft skills training programme	398	28/11/2022	30/11/2022

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 **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. Ekbole  
M.S., M.N.A.M.S.  
Chairman, Business Council  
P.E. Society, Pune

Ref : MCP/ May/ 2021-22/148 Date : 06/09/2021



**Memorandum of Understanding**

This Memorandum of Understanding is made at Pune on 6<sup>th</sup> 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 out research with relevance to current and contemporary needs. The college has well-furnished library which is enriched with Chemical Abstracts (1907-1986), e-library, language laboratory, and has subscribed to more than 3900 e-journals. The college has also subscribed to various national programs such as, National Program on Technology Enhanced

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

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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:



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

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**1. Objective:**

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


**2. Period of MOU:**

This MOU shall come into force and effect from the date of execution and shall remain valid for a period of Two year from such date after which the same may be reviewed by either party. However, if the same is not renewed this arrangement will be deemed terminated on the expiry of the said duration period.

**3. Roles & Responsibilities of the College:**

- a. The College shall be responsible to nominate one person with adequate accountability and responsibility to coordinate the engagement. The person so appointed would act as the single point of contact (SPOC) for the proposed initiative.
- b. The College shall share in their letter head the details of the students who will attend the a foresaid training program with GTTF like name, email ID, contact details, Name of the Company in which Candidate is placed(current Company), qualification (along with the year of completion/pursuing) and other documents as per GTTF training requirements.
- c. It would be the responsibility of the College to ensure that proper publicity of the Program is made through College website.
- d. To encourage the Students to register for the Program by informing them about the benefits of the program.
- e. College to refrain conducting any of their training or call with the students when GTTF training is going on.
- f. It would be their responsibility to ensure that all their students adhere to training schedule.
- g. To provide all the support services and facilities to GTTF during the conduct of the said Training Program.



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

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- h. To coordinate with GTTF and facilitate conduct of all the assessments including the assessment to be conducted by the external agency (if any) identified by GTTF, as per schedule communicated by GTTF.
- i. To provide the placement details of the students who have undergone the aforesaid training.

**4. Roles & Responsibilities of GTTF:**

- a. GTTF shall be responsible to provide access to employability enhancement related activities through blended learning model.
- b. GTTF will arrange for assessment of its own and also arrange external assessment as required.
- c. GTTF will facilitate placement of students with their client/ customer companies in suitable positions and also recruit for their own requirements.

**5. Other Terms & Conditions:**


Following are the other terms and conditions of MOU:

- a. The students enrolled should complete the training as scheduled.
- b. Program Coordinator to be appointed by college
- c. TPO's active support and participation is required for smooth & efficient conduct of the program.
- d. The College shall not write/publish any material or use any logos/names of GTTF/ in any of the publications without prior written consent and approval from GTTF.

**6. Commercial:**

This life skills enhancement training program is free of cost. GTTF shall not charge any fees on whatsoever account/name from the students or the College for conducting the aforesaid training program.



  
**Principal**  
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Sector No.21, Yamunanagar, Nigdi,  
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**7. Certification:**

Certificates shall be awarded by GTTF to the students on successful completion of the training and clearing of the assessment held post completion of the training program.

**8. Limitations and Warranties :**

Both parties agree that it would be their endeavor to prevent any liability arising out of default or non-compliance of the MOU terms by the other party.

**9. Termination:**

- a. Both parties can terminate the MOU with a prior written thirty (30) day notice on default of terms or non-adherence to any condition or responsibilities by the other party as outlined in this MOU in case such default is not rectified within such 30 days.
- b. Both parties also agree that it would be their professional endeavour that despite any termination of the MOU, progress would continue, without any prejudice to the ongoing Training Programs, which would be without any hindrance and would be progressed for completion.

**10. Entirety & Amendment:**


This MOU contains the entire understanding between the Parties in relation to the Training Program. If during the operation of the MOU, circumstances may rise which call for alteration / modification to this MOU, such alteration / modification shall be mutually discussed and agreed upon in writing. Such changes will be formalized in writing as an 'Addendum' to this MOU. Any changes/amendments to this MOU not in conformance to this section shall be deemed to be void-ab-initio.

**11. Intellectual Proprietary Rights:**

All intellectual or proprietary property and information, supplied or developed by either Party shall be and remain the sole and exclusive property of the Party who supplied or developed same. Upon termination of this MOU and upon written request, the Party in

5



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

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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 enter in to any agreement any clients GTTF and should not share any information with them related to the training during the term of the agreement and also after the agreement have been terminated, not earlier than two years from the date of termination.

**13. Force Majeure:**

- a. Neither party to this MOU shall be liable for any failure or delay on its part in performing any of its obligations under this MOU, if such failure or delay shall be result of or arising out of Force Majeure conditions and, provided that the party claiming Force Majeure shall use its best efforts to avoid or remove such cause of non-performance and shall fulfil and continue performance hereunder with the utmost dispatch whenever and to the extent such cause or causes are removed.



**Principal**  
P. E. S. Modern College of Pharmacy  
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Pune - 411 044.

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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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Pune - 411 044.

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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: 6<sup>th</sup> Sep. 2021

Date: 28/09/2021

Stamp:

Stamp:

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



Principal  
P. E. S. Modern College of Pharmacy  
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2021-2022

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

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

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

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

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

Ref: mcop/TL/2021-22/337

Date: 22/01/2022

To,  
Mr. Hariharan Swamy  
Certified trainer for PV,  
Pune

Dear Sir,


It was a great pleasure for us to have you as a resource person for **three days** online technical skills (Pharmacovigilance) training program in collaboration with Global Talent Track & Barclays. The interaction that the students had with you has really boosted their morale and must have benefited by the same.

We are highly obliged as you spent your valuable time and shared the importance of Pharmacovigilance.

We look forward for your continuous association in future.

Thanking you,  
Yours truly,

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

  
  
Dr. P. D. Chaudhari  
Principal  
Principal  
P. E. S. Modern College of Pharmacy  
Sector No.21, Yamunanagar, Nigdi,  
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**Modern College of Pharmacy's Career Path 2021-2022**

Name of session: **Technical skills(Pharmacovigilance)** training program

Organized by: PES Modern College of Pharmacy, Nigdi

Date: 20<sup>th</sup> January 2022 to 22<sup>nd</sup> January 2022

Class of students: Third Year B Pharmacy and Final Year B Pharmacy

**Summary report**

Training and Placement cell of PES Modern College of Pharmacy, Nigdi, organized three days online technical skills(Pharmacovigilance) training program in Collaboration with **Global Talent Track and Barclays** from 20<sup>th</sup> January 2022 to 22<sup>nd</sup> January 2022 by Mr. Hariharan Swamy certified trainer for PV and Ms. Shweta Kendra Hr. The session started with virtual welcome and a brief introduction of the guest. Both the guest updated students regarding pharmacovigilance and gave them the future aspects. The speakers discussed about the various terminology used in Pharmacovigilance like ADR, REPORT etc. The students were explained about different career opportunities in Pharmacovigilance and what is the criteria in the selection process during Pharmacovigilance interview process. The session ended with question and answer. Total 130 students attended the webinar.

*Principle*



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

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

Date: 23/03/22


**Training and Placement Cell**  
**Notice**


All the students of T.Y.B.Pharm and M.Pharm Sem-IV are hereby instructed to attend the **Barclay's Soft Skills Development Program** from 24<sup>th</sup> March 2022 to 26<sup>th</sup> March 2022.

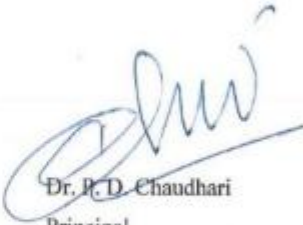
Venue: Seminar hall.

Time: 9:00 am to 5:00 pm

Note: Attendance is compulsory. Session wise monitoring of attendance will be done.

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



  
Dr. P. D. Chaudhari  
Principal

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

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Date- 23/3/22

To,  
The Principal,  
Modern College of Pharmacy,  
Nigdi.


**Subject- Training and Placement cell Requisition form**

Respected Sir,

As we have organized 3 days Barclays soft skill development program for our B.Pharm /M.Pharm students from 24<sup>th</sup> march 2022 to 26<sup>th</sup> march 2022.

We will require following things-

Sr. no.	Particulars	No.
1	Seminar hall	01
2	Audio visual System	01
3	Breakfast and Lunch	01*3 days
4	Small Water bottles	20

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



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

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Attendance Form				
Sr. No.	Name	Contact Number	Qualification	Signature
1	Akshay Doo	7666472433	T.Y.B.Pharm	
2	Rohit Chaudhary	7517517775	T.Y.B.Pharm	
3	Ajay Dhapate	8830061031	T.Y.B.Pharm	
4	Abhishek Maskare	9765660167	T.Y.B.Pharm	
5	Waghmare, Nikhil Binodra	8767547894	T.Y.B.Pharm	
6	Sarvade Ajinkya Anil	7385265320	T.Y.B.Pharm	
7	Kalsait Omkar Harishchandra	7030992877	S.Y.M.Pharm.	
8	Markus Ashale Bhaskar	7887515591	T.Y.B.Pharm	
9	Yash Newnath Dadas	9834102516	T.Y.B.Pharm	
10	Prabanshi Gautam Anurag	769757222	T.Y.B.Pharm	
11	Dnyaneshwar Bembde	8554818969	T.Y.B.Pharm	
12	Abhishek More	9175952360	T.Y.B.Pharm	
13	Siddharth Gokulwad	8888348304	T.Y.B.Pharm	
14	Ajinkya P. Gaike	8699978457	T.Y.B.Pharm	
15	Gavali Kartik R.	9175941327	T.Y.B.Pharm	
16	Chavhan Ankush L.	7776868312	T.Y.B.Pharm	
17	Mahesh Tekamule	9604428031	T.Y.B.Pharm	
18	Vaive Pruthi	9075776329	T.Y.B.Pharm	
19	Tupe Samadhan	7620110355	T.Y.B.Pharm	
20	Saucau Panna	7057779816	T.Y.B.Pharm	
21	Shrinath Waghmare	9579397840	T.Y.B.Pharm	
22	Lalit Sargate	9552012054	T.Y.B.Pharm	
23	Shivhar Shete	9579283078	T.Y.B.Pharm	
24	Ashish Shinde	8459462482	T.Y.B.Pharm	
25	Samath Shinde	9909869931	T.Y.B.Pharm	
26	Nawal Ched	7776981443	T.Y.B.Pharm	
27	Tanmay Satkar	9604743747	T.Y.B.Pharm	
28	Niranjan Rajput	8080095459	T.Y.B.Pharm	
29	Vikas Kumbekar	7218167133	T.Y.B.Pharm	
30	Gaurav Kharab	9076335849	T.Y.B.Pharm	
31	Shruti Bajare	9960717696	T.Y.B.Pharm	
32	Shravan Agalave	8080006240	T.Y.B.Pharm	
33	Mohini Thite	9075912050	T.Y.B.Pharm	
34	Bhagirathi Bhale	8624097469	T.Y.B.Pharm	
35	Kartik Yankar	9156715831	T.Y.B.Pharm	
36	Rameshwar Bhale	7821896092	T.Y.B.Pharm	
37	Adhe Prathamesh	7218661713	T.Y.B.Pharm	
38	Andhate Rahul Prathamesh	9019441600	T.Y.B.Pharm	
39	Devesh Chavhan	9218050249	T.Y.B.Pharm	
40	Garvish Yeole	9263559208	T.Y.B.Pharm	
41	Niranjan Banawane	7950552163	T.Y.B.Pharm	
42	Harshika Waghmode	7511070836	T.Y.B.Pharm	
43	Shital Susar	9175952360	T.Y.B.Pharm	



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Pune - 411 044.

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Attendance Form				
Sr. No.	Name	Contact Number	Qualification	Signature
44	Harshali Vilas Sonawane	9907922600	B. Pharm	Harshali
45	Shinde Uttamsha N.	8483953431	B. Pharm	Uttamsha
46	Shraddha. Shingade	9561493563	B. Pharm	Shraddha
47	Shete Priya	7020862324	B. Pharm	Priya
48	Wagh Sneha Sanjay	9373151601	B. Pharm (Tr)	Sneha
49	Chavan Anjaneshwarji	7483830163	B. Pharm	Anjaneshwar
50	Peshmukh Rutuja	7796886224	B. Pharm	Rutuja
51	Mansi Zanwar	7057630591	T.Y.B. Pharm	Mansi
52	Mayuri More	8999494295	T.Y.B. Pharm	More
53	Kolambe Shanti	8936516612	S.Y.M. Pharm	Shanti
54	Dhore Yogita S.	8830362887	S.Y.M. Pharm	Yogita
55	Anjali. Wasude	749648525	T.Y.B. Pharm	Anjali
56	Nikita. Salunke	901158104	T.Y.B. Pharm	Nikita
57	Madhuri Vitharankar	9870284748	B. Pharm	Madhuri
58	Shweta. Same	9527679045	T.Y.B. Pharm	Shweta
59	Uttamsha Patil	7276721565	T.Y.B. Pharm	Uttamsha
60	Vasudhara Patil	8766990697	T.Y.B. Pharm	Vasudhara
61	Shreemadhi Naik	9146917337	T.Y.B. Pharm	Shreemadhi
62	Sakshi Suril Kudale	9503909419	T.Y.B. Pharm	Sakshi
63	Khumbhoj K. Chaudhary	9370558427	T.Y.B. Pharm	Khumbhoj
64	Ruchika. D. Gupta	7559392250	T.Y.B. Pharm	Ruchika
65	Vaishali. G. Chitla	7744995230	T.Y.B. Pharm	Vaishali
66	Chavan Pooja Ramrao	8855071734	T.Y.B. Pharm	Pooja
67	Shraddha Bhat	9097717071	T.Y.B. Pharm	Shraddha
68	Priyanka Tandekar	9657193996	T.Y.B. Pharm	Priyanka
69	Aparna Patil	6266221950	T.Y.B. Pharm	Aparna
70	Sonali Nengule	7721888524	T.Y.B. Pharm	Sonali
71	Dhanashree Yadav	8806621001	T.Y.B. Pharm	Dhanashree
72	Snehal Panhalkar	9175698405	T.Y.B. Pharm	Snehal
73	Kadambari Shinde	7798818151	T.Y.B. Pharm	Kadambari
74	Varsha Shinde	9284902271	T.Y.B. Pharm	Varsha
75	Sampada Kulkarni	7021110785	T.Y.B. Pharm	Sampada
76	Tejaswree S. Rane	8830037577	T.Y.B. Pharm	Tejaswree
77	Kumbhar Nikhita	9067810089	T.Y.B. Pharm	Kumbhar
78	Sanchi Jha	9050358367	T.Y.B. Pharm	Sanchi
79	Jadhav Shraddha	9666802248	T.Y.B. Pharm	Jadhav
80	Mangali Majumkar	9284818189	T.Y.B. Pharm	Mangali
81	Banakar Triptee	9067125493	T.Y.B. Pharm	Banakar
82	More Rutuja	8421459796	T.Y.B. Pharm	More
83	Kondawar Panksha	9146353111	T.Y.B. Pharm	Kondawar
84	Sampada Netane	901280222	M. Pharm (II)	Sampada
85	Tabassum K. Shaikh	901280222	M. Pharm (II)	Tabassum
86	Tejmal V. Bansode	901280222	M. Pharm (II)	Tejmal
87	Anuja. J. Gujar	901280222	M. Pharm	Anuja
88	Sneha. R. Shinde	901280222	M. Pharm	Sneha

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

Academic Year 2021-22

Training and Placement Cell Organizes  
Barclay's Soft Skill Development Program

Attendance Sheet

Date: 24/3/22

Class: M.Pharm

Sem: IV

Sr. no.	Name of student	Sign
1.	Bhure Aika Ramesh	ABhure
2.	Bansode Tejmal Vijay	T.V. Bansode
3.	Sneha Rajendra Shinde	Sneha
4.	Dhone Yogita Shivaji	Yogita
5.	Kolbure Shruti Ramesh	Shruti
6.	Gauri Pradeep Shevade	Gauri
7.	Kotkar Ashwini Chitragad	Ashwini
8.	Kotwal Sneha Udayrao	Sneha
9.	Mahale Ritu Rajendra	Ritu
10.	Ingle Boja Nana	Boja
11.	Yashashri Rajabhai Holambe	Yashashri
12.	Anuja Jaykumar Gujar	Anuja
13.	Sampada Subhash Netane	Sampada
14.	Shailik Tabassum Khaju	Shailik
15.	Bhabad Deepak Ramnath	Bhabad
16.	Kalsait Omkar Harishchandru	Kalsait
17.	Navale Ashwini Bhansaheb	Navale
18.	Satpute Laxaj Bhivasan	Satpute
19.	Yedake Udaya Bhaskar	Yedake
20.	Raksha Krishnora Rao	Raksha
21.	Sanket Bharat Bhadange	Sanket

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

Mr. Devendra Visokar  
Training and Placement Cell





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

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

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

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

Ref : mcp/TL/2021-22/494 Date : 26/3/22

To,  
Mr. Tariq Shaikh,  
HR Global Talent Track Foundation,  
Pune-30


Dear Sir,


It was a great pleasure for us to welcome you for Soft skill development training program at our institute. The interaction that the students had with you has really boosted their morale and it will surely help them to excel.


We thank you for spending your valuable time with us and training our students and giving them chance to build up their career.

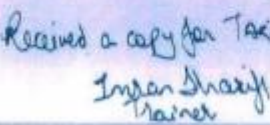
We look forward for your continuous association in future.

Thanking you,  
Yours truly,

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

  
Dr. P. D. Chaudhari  
Principal



  
Received a copy for Tariq Shaikh  
Insaan Shaikh  
Owner

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

**STRIVING TOWARDS EXCELLENCE FOREVER**

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

Training and Placement Cell

FEEDBACK FORM

Dear Sir/ Madam,

We are highly obliged that you spared your valuable time for interacting with our students. We welcome your feedback about our students and our college in the following format. The inputs that you provide are a crucial element in the institute's quality assurance system. Please tick in the appropriate column

QUALITY PARAMETER	Outstanding	Very Good	Good	Acceptable
1. Quality of students (technical knowledge, communication skills etc.)			✓	
2. Response by students			✓	
3. Hospitality offered by college		✓		

Any other suggestions/ comments:

Sessions on communication building can be conducted for enhancing skillset

Name: Inuen  
Signature: [Signature]  
Date: 26/5/22



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

Thank you for filling out the form!!!!

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### Workshop Report

Name of workshop: **Soft Skills and Communication**

Organized by: PES, Modern College of Pharmacy, Nigdi.

Name of company: **Barclays Global Talent Track.**

Date of interview: 24/3/22 to 26/3/22

Class of students: T.Y B.Pharm and M.Pharm final year

### Summary

Training and Placement Cell of PES, Modern College of Pharmacy, Nigdi, organized Barclay's soft skill development program from 24<sup>th</sup> March 2022 to 26<sup>th</sup> March 2022. Mr. Tariq Shaikh, HR Global Talent Track Foundation conducted 3 days workshop for aspirants. Total 24 hours of high impact workshop on Soft Skills and Communication was conducted by expert from the corporate with immense relevant industry experience. Workshop was conducted from 9:00 am to 5:00 pm for 3 days.

A customized Program on topics that range from Soft Skills to communication to Aptitude training was covered for students. Mr. Tariq Shaikh on day-1 had training on Interview Skills which covered building online Image, Self-Awareness, Grooming, Body Language, Confidence, Interview FAQs, Resume, Rejections.

Day-2 covered, Corporate Readiness contains values in a corporate environment, Ownership, Respect, Teamwork, Auto-didacticism, Flexibility, Time Management, Stress Management, Positive Attitude, LinkedIn (Profile Management). Day-3 extended on Mock Interviews & Group Discussions. Total 105 students got benefited from this training program.



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Sector No. 21, Yamunanagar, Nigdi,  
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**2022-2023**

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


Date: 23/11/22

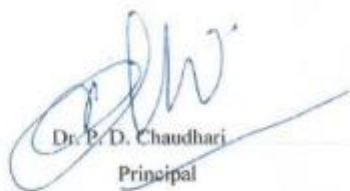
**Training and Placement Cell**  
**Notice**


All the students of Final Y B.Pharm and M.Pharm (I<sup>st</sup> and II<sup>nd</sup> Yr) are hereby informed that three days Barclay's soft skill development program in collaboration with GTT foundation has been organized from 28<sup>th</sup> Nov 22 to 30<sup>th</sup> Nov 22 from 10:00 am to 5:00 pm at seminar hall.

**Topic:** Group discussion, Aptitude test and Personal interview.

**Note:** Attendance will be noted of each student.

  
Dr. K. S. Shaikh  
Training and Placement Cell

  
Dr. P. D. Chaudhari  
Principal



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

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

**Academic Year 2022-23**

Training and Placement Cell Organized  
Barclay's Soft Skill Development Program  
**Attendance Sheet**

28/11/22  
Date: (Whatsapp)  
contact No sign

Sr.no.	Name of student	Sign:-
1.	Neha Kishor Pandit	8669746620
2.	Shraddha Anil Ahirrao	7387715494
3.	Kaveti Uddhav Granjure	9637153227
4.	Yashvi Vijay Patil	7387196765
5.	Shreeta Sanjay Bajare	9960717696
6.	Shivani Appasaheb Dighe	9807859280
7.	Pooja Bandappa Wadgave	8552919534
8.	Veushali Dattotraya Kharate	9284346317
9.	Manisha Sanjay Salunkhe	9112409058
10.	Dipali Sanjay Thete	9768987206
11.	Priyanka Ganesh Bambale	7517210785
12.	Samiksha Surendra Agarkar	9011713973
13.	Chopade Dnyaneshwari Ravindra	9420329818
14.	Geeta Anil Anandwade	9049104869
15.	Magar Vaishnavi Sanjay	9156929317
16.	Waghmare Pradya Sanjay	7028609467
17.	Yavahare Zadhika Somnath	9561032418
18.	Shinde Namrata Narsingrao	9860892624
19.	Suryawanshi Mayuri Bhakat	9096905227
20.	Biradar Shilpa Sanjaykumar	9422155924
21.	Tidake Yashoda Nagnath	9421258224
22.	Mahamgale Aishwarya Shivaji	9503701928
23.	Mahajan Gaurav Anur	7768053933
24.	Katkar Dhanashree Vikram	9172451388
25.	Bhandare Pranali Anandras	9403141954



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

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P. E. Society's  
Modern College of Pharmacy, Nigdi, Pune.  
Academic Year 2022-23  
Training and Placement Cell Organized  
Barclay's Soft Skill Development Program  
Attendance Sheet

Date: 28/11/22

Sr. no.	Name of student	Contact no.	Sign
26	Pawade Kajal Sunil	8379973694	Kajal
27	Shinde Surabhi Shivaji	8390289174	Shinde
28	Pawar Nikita Gangaram	8746219278	Pawar
29	Amritkar Atanksha Pradeep	8605627751	Amritkar
30	Hajare Pratibha Kantilal	9067577372	Hajare
31	Ankita Pradeep Patil	7972784499	Patil
32	Pradya Ankush Khelbude	9405492077	Pradya
33	Pranjata Dilip Tambe	7498705018	Pranjata
34	Gayatri Jaising Gadekar	7218668191	Gayatri
35	Vanita Bhurkumde	7397967407	Vanita
36	Harshali Vilas Sonawane	9307922600	Harshali
37	Shinde Uttaksha Namdevrao	8483953431	Shinde
38	Chavan Dayaneshwari Dasu	7498830153	Chavan
39	Deshmukh Rutuja Vinthal	7796886224	Deshmukh
40	Anjali R. Masale	7499648523	Anjali
41	Priyanka P. Tandekar	9657193996	Priyanka
42	Nikita G. Pawar	8208038460	Nikita
43	Nengule Sonali	7721888524	Nengule
44	Apasara Patil	6266221750	Apasara
45	Manali Majgaonkar	9284813189	Manali
46	Snishli Jha	8080358367	Snishli
47	Shweta Wagh	9373151601	Shweta
48	Dhanashree Nisha Yadav	8806621001	Dhanashree
49	Suryawanshi Pratibha M	7219588293	Suryawanshi



Dr. K. S. Shaikh  
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Pune - 411 044.

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B. Pharm

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

Academic Year 2022-23

Training and Placement Cell Organized  
Barclay's Soft Skill Development Program

Attendance Sheet

Date: 29/11/22

Sr. no.	Name of student	Contact no.	Sign
1	Anjali R. Wlasule	7499648525	Ana
2	Samadhan Tupe	7620110355	Samadhan
3	Gavali Karik	9179961325	Gavali
4	Dipak Deshpande	9834202516	Dipak
5	Waghmare Nikhil Ravindra	8767547394	Nikhil
6	Shraddha Raut	9097717071	Shraddha
7	Ajinkya Gauri	8459978457	Ajinkya
8	Nikita Salunke	9011558104	Nikita
9	Sarvesh Yeole	7263889808	Sarvesh
10	Mansi Zanwar	7058630591	Mansi
11	Saurav Pawar	7057779816	Saurav
12	Lalit Sargan	9552012054	Lalit
13	Deven Ukinde	9139311993	Deven
14	Ajinkya Anil Sarmale	7385265720	Ajinkya
15	Vanve Phubham	907576329	Vanve
16	Ankate Rahul Bakisheeb	9049441602	Ankate
17	Hrishal Bhargava	9604416250	Hrishal
18	Badhe Prathamesh	7218661713	Badhe
19	Dnyaneshwar Bembale	8554818269	Dnyaneshwar
20	Panhalkar Snehil Babasaheb	9175692405	Panhalkar
21	Ashish Shinde	8459262382	Ashish
22	Kartik Venkure	9156715831	Kartik
23	Shrinath Waghmare	9179997840	Shrinath
24	Rameshwar Bhalke	9011312465	Rameshwar
25	Tanmay Sattkar	9604243747	Tanmay



Dr. K. S. Shaikh  
Training and Placement Cell

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M Pharm

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

Academic Year 2022-23

Training and Placement Cell Organized  
Barclay's Soft Skill Development Program  
Attendance Sheet

Date: 30/11/22

Sr. no.	Name of student	Contact no.	Sign
1.	Kedhika somnath Vyavahare	9561032418	
2.	Suryawanshi Mayuri	9096906227	
3.	Rushikesh Nitin Nilraj	9923709760	
4.	Mayuri kashinath Auti	9284391836	
5.	Priyanka Gunesh Bambale	7517210785	
6.	There Bipali Sanjay	9766987206	
7.	Samiksha Surendra Agarwal	9011713973	
8.	Pratiksha M. Suryawanshi	7219588293	
9.	Tilake Yashoda Naunath	9421258224	
10.	Biradar Shilpa Sanjaykumar	9422155924	
11.	Mahajan Gaurav Arun	7768053933	
12.	Phalke Tushar M.	7038806395	
13.	Aishwarya Mahangade	9303701928	
14.	Abhijeet Gholap	9518987496	
15.	Ankita Patil	7972784499	
16.	Shivam Chaudhary	9156357317	
17.	Salun K. Ganesh	8208285743	
18.	Jurabhi Shinde	8390289174	
19.	Pranali Bhargava	9403141954	
20.	Sanket Shirsalkar	7057101294	
21.	Asavari Shinde	7218326627	
22.	Vinod Gaikwad	9960222683	
23.	Gayatri Gadekar	7218668191	
24.	Pradnya Anil Kholbude	9405492077	
25.	Jadhav Sidheshwar L.	7745048257	



Dr. K. S. Shaikh  
Training and Placement Cell

Principal

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P. E. Society's  
Modern College of Pharmacy, Nigdi, Pune - 411044  
Bardclay's soft skill development program in collaboration with GTT foundation

DETAILS OF GUEST

Name of company: Bardclay's in collaboration with GTT foundation

Date of Program: 28<sup>th</sup> Nov to 30<sup>th</sup> Nov 2022

Class of students: B.Pharm final year and M.Pharm

Sr. No.	Name	Designation	E-mail	Contact No.	Signature
1.	Mrs. SHILPA DATTATRAY KHUNE	TRAINER	DIVYASHILPA2475@ GMAIL.COM.	9326092166	

Dr. K. S. Shaikh  
(Training and Placement Incharge)




Principal  
Dr. P. D. Chaudhari  
(Principal)


P. E. S. Modern College of Pharmacy  
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'Best College Award' by Savitribai Phule Pune University



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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

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

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

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

Ref: MCoP/T2/2022-23/187 Date: 30/11/2022

To,  
Mrs. Shilpa Khune,  
Global Talent Track Foundation,  
Pune-30

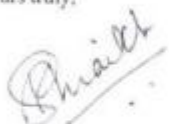
Dear Sir,


It was a great pleasure for us to welcome you for Soft skill development training program at our institute. The interaction that the students had with you has really boosted their morale and it will surely help them to excel.

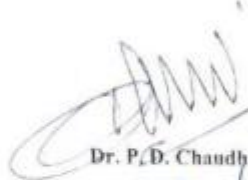
We thank you for spending your valuable time with us and training our students and giving them chance to build up their career.

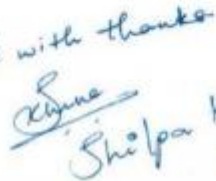
We look forward for your continuous association in future.

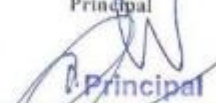
Thanking you,  
Yours truly,

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



  
Dr. P. D. Chaudhari  
Principal

  
Recd with thanks  
Shilpa Khune  
30/11/2022

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

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### Workshop Report

Name of workshop: Soft Skills and Communication

Organized by: PES, Modern College of Pharmacy, Nigdi.

Name of company: Barclays Global Talent Track.

Date of interview: 28/11/22 to 30/11/22

Class of students: Final Year B.Pharm, M.Pharm final year

### Summary


Training and Placement Cell of PES, Modern College of Pharmacy, Nigdi, organized Barclay's soft skill development program from 28<sup>th</sup> November 2022 to 30<sup>th</sup> November 2022. Mrs. Shilpa Khune, Global Talent Track Foundation conducted 3 days workshop for aspirants. Total 24 hours of high impact workshop on Soft Skills and Communication was conducted by expert from the corporate with immense relevant industry experience. Workshop was conducted from 10:00 am to 5:00 pm for 3 days.

A customized Program on topics that range from Soft Skills to communication to Aptitude training was covered for students. Mrs. Shilpa Khune on day-1 had training on personality development which covered various activities, Pre assessment, building Self-Awareness.

Day-2 covered Group Discussions, Corporate Readiness contains values in a corporate environment, post assessment, debate. Teamwork, Flexibility, Time Management.

Day-3 extended on Mock Interviews, stress management, positive attitude & personal interview which covered building Online Image, Self-Awareness, Grooming, Body Language, Confidence, Interview FAQs, Resume, Rejections. Total 85 students got benefited from this training program.



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

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Photos of event



*Dr. K. S. Shaikh*

Training and Placement Cell  
Dr. K. S. Shaikh



*Dr. P. D. Chaudhari*

Principal  
Dr. P. D. Chaudhari

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

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## MOU with Anasyn Lab Private Limited, Tathwade, Pune

### Summary of activities under MOU

Sr no	Academic Year	Name of Activity	No of beneficiaries	Start Date	End Date
1	2021-2022	Industrial Visit	15	14/05/2022	14/05/2022

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**ANASYN LAB PRIVATE LIMITED**

Shop No. 8, Sr. No. 129/28/1, Jivan Nagar Behind Chowgule Industries,  
Near S. G. Hostel, Tathawade, Pune-411033, Maharashtra, India

generate knowledge, skill and research based human resources for the healthcare industry. Having vast experience in Multinational Pharmaceutical industry focused on Drug Discovery, Drug Development and Drug Delivery area.

Anasyn Labs Pvt. Ltd. R & D facility is spread over 1000sq.ft. area at Tathawade Pune and having adequate equipment and instruments to carry out training and research Projects.

Anasyn Labs Pvt. Ltd. is a product & Service based organization supporting the global Healthcare Industry to improve quality of life.

Anasyn Labs Pvt. Ltd. also offers services like custom synthesis, CRAMS, analytical services and Training and Consultancy.

**GOALS AND OBJECTIVES**

Whereas the FIRST PARTY is engaged in teaching and research in Pharmaceutical Science,

Whereas the SECOND PARTY is AnaSyn Laboratory Private Limited. This lab is research and value driven organization that was founded by Dr. Ashok B. Pathak in 2021 with a vision to fulfill the unmet medical need, to access existing medicine at an affordable price and to generate knowledge, skill and research based human resources for the healthcare sector. AnaSyn lab is a product & service-based organization supporting the global healthcare industry to improve quality of life.


The FIRST PARTY and the SECOND PARTY have agreed to hire the services and facilities available with FIRST PARTY and SECOND PARTY to take up joint Research and Development (R & D) projects and training modules.

The SECOND PARTY has agreed to share their expertise and facilities with the students and faculty of FIRST PARTY. The SECOND PARTY has also agreed to allow the hands-on training and industrial projects to the Undergraduate and Post graduate students of FIRST PARTY and support the training and placements activities of FIRST PARTY.

Both the parties have agreed to work on the following areas of mutual interest such as-

- Synthesis, Purification and Characterization of Organic compounds for research and training purposes
- Industrial Visits



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

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

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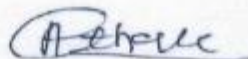
**ANASYN LAB PRIVATE LIMITED**

Shop No. 8, Sr. No. 129/28/1, Jivan Nagar Behind Chowgule Industries,  
Near S. G. Hostel, Tathawade, Pune-411033, Maharashtra, India

- g) If the results of this joint project can attract commercial utilization, then the financial benefit shall be shared between the two parties equally or through any mutually agreed arrangements.
- h) All joint projects shall be reviewed every six months by joint committee appointed for the purpose by the two institutes in order to advice on the future course of each project. Collaborating researchers from both sides are expected to make presentations at such meeting along with submitting a summarized account of the work carried out for that period. The joint committee is also entrusted with the responsibility of suggesting any remedial measures for ensuring success of each project.
- i) Any dispute arising shall be settled through mutual negotiations only without recourse to resolving the dispute by legal means.

Signed on – 15/07/2021

  
Dr. P. D. Chaudhary  
Principal  
P. E. S. Modern College of Pharmacy  
Section - 1, Yashwantrao Chavan Nagar, Nigdi,  
Pune - 411 044

  
Dr. Ashok B. Pathak  
Director

AnaSyn Lab Pvt Ltd, Tathawade, Pune





2021-2022

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

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**Industry Visit 2021-22**

**Notice**

Date: 13/05/2022

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

**Name of Place :** Anasyn Lab Private Limited Tathwade Pune  
**Name of class :** M. Pharm  
**Date:** 14/05/2022 (saturday)  
**Time for departure from college:** 10:00 am

  
Dr. P. D. Chaudhari  
Principal



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

**Copy to**  
1. Academic section  
2. Class teachers

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

Office Order

Date: 06/05/2022

Following Teaching faculty informed that, our college has organized industrial visit for **M.Pharmacy Chemistry branch** on Saturday 14/05/2022. I am deputing to following teaching faculty for smoothly conducting the all activities.

Sr no	Name of faculty	Signature of faculty
1	Dr.V.V.Chopade	
2	Asst.Prof.Mrs.Rupali Jinturkar	
3	Asst.Prof.Devendra Visokar	

Responsibilities

1. You must reach at college on 6 am, no reason will entertained like Bus late, Auto late, vehicle puncher or any other
2. You must come at trip with all requirements.
3. You will be responsible for smoothly conducting all activities as per plan
4. You are responsible/should take care of all students
5. You should not leave trip site
6. You should involve with students in all activities
7. You should follow all above instructions very strictly given by Principal
8. If you are not follow instructions given by principal, very strict action will be taken against you




Dr. P. D. Chaudhari  
(Principal)

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

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

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

Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044. (M.S.) Tel. : 020-27861315 Fax : 020-27661314  
E-mail : mcpnigdi44@gmail.com Website : www.mcp.org.in

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

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

Ref. : \_\_\_\_\_ Date : \_\_\_\_\_

To  
The Director/Manager  
Anasyn Lab Private Limited Tathwade  
Pune.

Dear Sir,

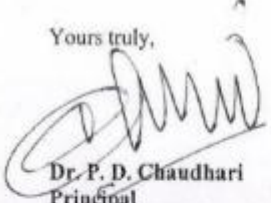
We are thankful to you for accepted our request for one day hands on training and industry visit to our M Pharm students and faculty members



It was a great pleasure for us to have provided the real insight of working procedure of your esteemed organization for our M. Pharm

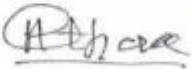
We again thank you for sparing your valuable time with us. We are sure that you will always be there to help us at every critical turn and we look forward to continuous association with you in future.

Thanking You.

Yours truly,

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

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

  
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**STRIVING TOWARDS EXCELLENCE FOREVER**

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PES Modern College of Pharmacy,  
Nigdi, Pune-44

Attendance of students for Industry Visit

Venue: Anasyn Lab Private Limited Tathwade Pune

Class: M Pharm and Faculty

Date of visit: 14/05/2022

Sr. No	Name of Students	Signature
1.	ANAWADE GEETA ANIL	
2.	GAIKWAD RUTUJA UDHAV	
3.	GAIKWAD SHRADDHA PRAKASHRAO	
4.	GAWANDE SAHIL SHYAM	
5.	KAMBALE VIRENDRAKUMAR MADHUKAR	
6.	MAGAR VAISHNAVI SANJAY	
7.	RASHINKAR SNEHA NANDKUMAR	
8.	SHINDE NAMRATA NARSINGRAO	
9.	SHIRSATH SANKET RAJENDRA	
10.	SURYAWANSHI MAYURI BHARAT	
11.	VYAVAHARE RADHIKA SOMNATH	
12.	BHABAD DEEPAK RAMNATH	
13.	SANKET BHATSHANKAR	
14.	Dipali sanjay Thete	
15.	Pooja Bandappa Wadgave	

Dr. V. V. Chopade  
Industry visit incharge

Prof D. L. Visokar  
T & P officer

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

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

REPORT OF ACTIVITY 2021-22

Name of activity:	Industrial visit for B. Pharm students
Name of Industry	Anasyn Lab Pvt Ltd, Near S. G. Hostel, Tathawade, Pune 411033
Date of activity	14/05/2022 (Saturday)
Total no students participate	15
Occasion of activity	Industry Academic Interaction
Place of Visit	Production facility unit of Omni Protech Drugs Pvt Ltd
Objectives of activity	To get current knowledge about working procedure of Pharmaceutical Synthetic pathways To understand the importance of accuracy during experiments To learn the standard operating procedures and working of various equipments used in chemical synthesis industry.
Training Given by	Dr. Ashok B. Pathak, Director, Anasyn Lab Pvt Ltd
Name of faculty with students	Dr. Amit Tapkir, Asst. Prof. Devendra Visokar, Asst. Prof. Prashant Pawar, Asst. Prof. Tushar Khade
Activity co-ordinator	:Dr. Vitthal V Chopade and Asst. Prof. Devendra Visokar



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

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## MOU with BioRadius Therapeutic Research Pvt Ltd, Hinjawadi, Pune

### Summary of activities under MOU

Sr no	Academic Year	Name of Activity	No of beneficiaries	Start Date	End Date
1	2022-2023	Industrial Visit	44	06/12/2022	06/12/2022

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

### Industrial Visit certificate

To whom so ever concern

This is to certify that Students of M. Pharm Chemistry from Progressive education Society's Modern college of Pharmacy Nigdi Pune 44 had visited our Synthesis Laboratory facility 14<sup>th</sup> May 2022. During the Laboratory facility visit we had given them information about entire facility starting from basic synthetic techniques, Chromatographic Techniques, Basic Principles of chemical synthesis and modern synthetic techniques. We had given hands on training on sophisticated instruments used in Modern synthetic techniques. Total 20 students along with 3 teaching faculty members from College visited our synthetic facility of our organization.



Dr. Ashok B. Pathak (Director)

**ANASYN LAB PVT LTD**



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

CIN-U24299PN2021PTC202480  
Phone- +91 9765698000

Web-<https://anasynlab.com>  
Email ID- [info@anasynlab.com](mailto:info@anasynlab.com)

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## MEMORANDUM OF UNDERSTANDING


BETWEEN

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

AND

BioRadius Therapeutic Research Private Limited, IndiaLand global Industrial Park, Phase I, Hinjawadi, Pune, Maharashtra 411057 here in named party two



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



Page 1 of 5

**BioRadius Therapeutic Research Pvt.Ltd.**

IndiaLand Global Industrial Park, Plot No. - 8, S.No. 234, 235, 245, Hinjewadi Phase I,  
Pune - 411057, Maharashtra, India. ☎ +91-9112126448 ✉ Contact@bioradiuscro.com

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THIS MEMORANDUM OF UNDERSTANDING IS MADE AT PUNE ON 15<sup>th</sup> JULY 2021

**WHEREAS**


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

**WHEREAS**

Second Party is BioRadius Therapeutic Research Private Limited is a research-driven company, founded by two eminent researchers in the year 2018. BioRadius is founded with an aim to be at the centre of pharma research and at same time be able to extend its length and reach to any point of Healthcare Industry.

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

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

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



**BioRadius Therapeutic Research Pvt.Ltd.**

IndiaLand Global Industrial Park, Plot No. - 8, S.No. 234, 235, 245, Hinjewadi Phase I,  
Pune - 411057, Maharashtra, India. ☎ +91-9112126448 ✉ Contact@bioradiuscro.com

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

#### GOALS AND OBJECTIVES

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

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

#### NOW THEREFORE THIS MEMORANDUM OF UNDERSTANDING WITNESSE AS UNDER

##### 1. Field of Co-Operation:

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



**BioRadius Therapeutic Research Pvt.Ltd**

IndiaLand Global Industrial Park, Plot No. - 8, S.No. 234, 235, 245, Hinjewadi Phase  
Pune - 411057, Maharashtra, India. ☎ +91-9112126448 ✉ Contact@bioradius.com

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

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**2. Management and Administration:**

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

**3. General Provisions:**

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

**4. Amendments:**

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

**5. Settlement of Disputes:**

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



**BioRadius Therapeutic Research Pvt.Ltd.**

IndiaLand Global Industrial Park, Plot No. - 8, S.No. 234, 235, 245, Hingewadi, Dhule,  
Pune - 411057, Maharashtra, India. ☎ +91-9112126448 ✉ Contact@bioradiuscro.com

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

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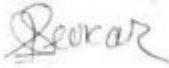

6. Termination:

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

7. Valid period:

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

Signed in Pune on 15/07/2021 in two original in English language.

For Party of the First Part	Progressive Education Society's Modern College of Pharmacy Sector 21, Yamunanagar, Nigdi, Pune - 411044	For Party of the Second Part	BioRadius Therapeutic Research Private Limited, Indialand global Industrial Park, Phase I, Hinjawadi, Pune, Maharashtra 411057
Signature with seal	 	Signature with seal	 
Designation	Principal and Professor	Designation	Chief Scientific Officer
Name	Dr. Pravin D. Chaudhari Email ID: pdchaudhari21@gmail.com Contact: 9850179873	Name	Mr. Sachin Deokar Email ID: sachindeokar@bioradiuscro.com Contact: 9049989561, 02067789113
Date	15/07/2021	Date	15/07/2021

  
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**BioRadius Therapeutic Research Pvt.Ltd.**

Indialand Global Industrial Park, Plot No. - 8, S.No. 234, 235, 245, Hinjawadi Phase I, Pune - 411057, Maharashtra, India. ☎ +91-9112126448 ✉ Contact@bioradiuscro.com

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**2022-2023**

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

**Industry Visit 2022-23**

**Notice**

Date: 05/12/2022

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

**Name of Place:** BioRadius Therapeutic Research Pvt Ltd phase I, Hinjawadi, Pune, Maharashtra 411057.

**Time for reach at Industry:** 10:40 am

**Name of class:** Pharm D IV year and M Pharm (Pharmacology) Second year

**Date:** 06/12/2022 (Tuesday)

**Time for departure from college:** 9:30 am

**Contact persons during visit**

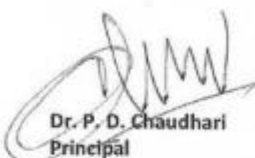
Dr Padmaja Kore: 82082 72961

Dr V V Chopade 9545452767

Prof Swateja Bhosle: 70583 66393

Prof Siddhat Sawdekar 99607 22672

Prof. Priyanka Sarda: 72496 52496

  
Dr. P. D. Chaudhari  
Principal



**Copy to**

1. Academic section
2. Class teachers
3. Office

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

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PES Modern College of Pharmacy, Nigdi, Pune-44

Attendance of students for Industry Visit

Name of Place: BioRadius Therapeutic Research Pvt Ltd phase I, Hinjawadi, Pune, Maharashtra 411057.

Name of class: M Pharm (Pharmacology) Second year

Date: 06/12/2022 (Tuesday)

Roll no	Name	Signature of students
COL201	Akansha Amritkar	
COL202	Pranali Bhandare	
COL203	Abhijit Deshmukh	
COL204	Gayatri Gadekar	
COL205	Vinod Gaikwad	
COL206	Pratiksha Hajare	
COL207	Dhanashri Katkar	
COL208	Pradnya Khelbude	
COL209	Mohsin Mansoori	
COL210	Kajal Pawade	
COL211	Nikita Pawar	
COL212	Ganesh Pore	
COL213	Surabhi Shinde	
COL214	Prajakta Tambe	

Dr. V.V. Chopade  
Incharge



Dr. P. D. Chaudhari  
Principal

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

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PES Modern College of Pharmacy, Nigdi. Pune-44

Attendance of students for Industry Visit

Name of Place: BioRadius Therapeutic Research Pvt Ltd phase I, Hinjawadi, Pune, Maharashtra 411057.

Name of class: Pharm D IV year

Date: 06/12/2022 (Tuesday)

Roll No.	Name Of Student	Signature of students
401	Bakale Sayali Shivraj	
402	Bendga Tushar Santya	
403	Bhange Shardul Santoshrao	
404	Chachar Mihir Sunil	
405	Chaturvedi Aakansha Devendra	
406	Dalvi Aditya Navnath	
407	Deokar Saakshi Shrikant	
408	Desai Sumedh Sanjay	
409	Dhadge Savata Sanjay	
410	Dhas Vishal Khandu	
411	Dhawade Siddhi Rajendra	
412	Gaikwad Abhijit Atmaram	
413	Holmukhe Payal Ganpat	
414	Jadhav Pratiksha Anil	
415	Jagtap Aishwarya Krishna	
416	Jha Tushar Sanjeev Kumar	
417	Kale Gauri Jagdish	
418	Kamble Padmaja Deepak	
319	Khape Payal Sudhakar	
420	Lavate Rutika Tukaram	
421	Lokhande Tallini Dhananjay	
422	Manocha Vinay Tarun	
423	Meher Akshaya Suresh	
424	Mirani Mihir Bharatbhai	
425	Pande Omkar Harihar	
426	Parkhe Tejas Santosh	
427	Patil Ninad Bharat	
428	Patil Pradnya Prakash	
429	Patil Yash Anil	
430	Rane Pritish Vijay	
431	Shelke Kanchan Arvind	
432	Undale Akanksha Kishor	

Dr. V V Chopade  
Incharge



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

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

**REPORT OF INDUSTRY VISIT 2022-23**

1. Name of activity:	Industry visit for students and Staff
2. Name of Industry	BioRadius Therapeutic Research Pvt Ltd Phase I, Hinjawadi, Pune, Maharashtra
3. Date of activity	06/12/2022
4. Total no students participate	M Pharm -13 Pharma D - 31 Total - 44
5. Occasion of activity	Industry Academic Interaction
6. Place of visit	Therapeutic Research \ Clinical research Lab
7. Objectives of activity	1. To get analytical knowledge, planning abilities, problem analysis, modern tool usage, professional identity, pharmaceutical ethics, life-long learning 2. To get importance of accuracy in practical's experiments 3. How to operate equipments in lab.
8. Training given by	Mr Sachin Deokar
9. Name of faculty with students	Dr. P. Kore Dr. V V Chopade Prof Swateja Bhosale Prof Siddhat Sawadekar Prof Priyanka Sarda
10. Activity co-coordinator	: Dr. Vitthal V Chopade

  
Dr. V V Chopade  
Industry Visit Incharge



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

1

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Photo



Dr. V V Chopade  
Industry Visit Incharge



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

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## MOU with Vishwa Connectome Pvt Ltd, Pune

### Summary of activities under MOU

Sr no	Academic Year	Name of Activity	No of beneficiaries	Start Date	End Date
1	2021-2022	Industrial Visit	15	05/10/2021	05/10/2021

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**VISHWA CONNECTOME PVT. LTD.**

**MEMORANDUM OF UNDERSTANDING**

**BETWEEN**

**Progressive Education Society's Modern College of Pharmacy Sector**

21, Yamunanagar, Nigdi, Pune-411044,

which is represented by its principal named

**Dr. Pravin D. Chaudhari Sir**

here in named as party one

**AND**

**Vishwa Connectome Pvt Ltd.**

Shewalewadi, Pune Solapur Highway, Hadapsar. Pune – 411028 which

is represented by

**Dr. Dnyandeo Pathare Sir**

here in named party two



**Principal**

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

S. N-211, Pune-Solapur Highway, Hadapsar, Pune - 411028. ♀

E- Mail : vishwaconnect01@gmail.com

www.vishwaconnect.com

+9503963900, 9096467079

(CIN)U80902PN2020PTC197372

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## VISHWA CONNECTOME PVT. LTD.

THIS MEMORANDUM OF UNDERSTANDING IS MADE AT PUNE ON 30/01/2021

### WHEREAS

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

### WHEREAS

Second Party is Vishwa Connectome Pvt Ltd is a Is a pioneer institute that provides learning opportunities for aspirants in the chemical and pharmaceutical industry. We have an array of extensive courses and a fleet of qualified professionals who impart world-class training to students. Institute is equipped with the latest and highly advanced facilities, services and a conducive environment for students to learn, grow and transform through quality education and training.

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

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

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



(CIN)U80902PN2020PTC197372



S. N. 211, Pune-Solapur Highway, Hadapsar/Pune - 411028. ♀

E- Mail : [vishwaconnectome@gmail.com](mailto:vishwaconnectome@gmail.com)

[www.vishwaconnect.com](http://www.vishwaconnect.com)

+91 9503983908, 9096467079

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

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## VISHWA CONNECTOME PVT. LTD.

### GOALS AND OBJECTIVES

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

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

### NOW THEREFORE THIS MEMORANDUM OF UNDERSTANDING WITNESSE AS UNDER

#### 1. Field of Co-Operation:

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



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S. N. 211, Pune-Solapur Highway, Hadapsr, Pune - 411028. ☎

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www.vishwaconnect.com 🌐

+9503963900, 9096467079 📞

Principal

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

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## VISHWA CONNECTOME PVT. LTD.

### 2. Management and Administration:

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

### 3. General Provisions:

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

### 4. Amendments:

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

### 5. Settlement of Disputes:

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



(CIN)U80902PN2020PTC197372



S. N. 211, Pune-Solapur Highway, Hadapsar, Pune - 411028. ☎

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

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## VISHWA CONNECTOME PVT. LTD.

### 6. Termination:

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

### 7. Valid period:

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

Signed in Pune on 30/01/2021 in two original in English language.

For Party of the First Part	Progressive Education Society's Modern College of Pharmacy Sector 21, Yamunanagar, Nigdi, Pune - 411044	For Party of the Second Part	Vishwa Connectome Pvt Ltd., Pune Solapur Highway, Hadapsar. Pune - 411028
Signature with seal		Signature with seal	
Designation	Principal and Professor	Designation	Director
Name	Dr. Pravin D. Chaudhari Email ID: pdchaudhari21@rediffmail.com Contact: 9850179873	Name	Dr. Dnyandeo Pathare Email ID: pathare.d@gmail.com Contact: 9096467079
Date	30/01/2021	Date	30/01/2021



S. N. 211, Pune-Solapur Highway, Hadapsar, Pune - 411028. ☎

E-Mail : vishwaconnect01@gmail.com

www.vishwaconnect.com

(CIN)U80902PN2020PTC197372

P. E. S. Modern College of Pharmacy +9503963900, 9096467079 ☎

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

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2021-2022

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

**Industry Visit 2021-22**

**Notice**

Date: 04/10/2021

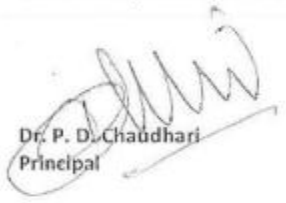
All Teaching faculty, Non-teaching staff and students of M Pharm are hereby informed that, our college has organize one day hands on training and industry visit for M. Pharm students, the details of visit are as follows

Name of Place : Vishwa Connectome Pvt Ltd, Hadapsar, Pune

Name of class : M. Pharm

Date: 05/10/2021 (Tuesday)

Time for departure from college: 9:30 am

  
Dr. P. D. Chaudhari  
Principal

**Copy to**

1. Academic section
2. Class teachers



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

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PES Modern College of Pharmacy, Nigdi, Pune-44

Attendance of students for Industry Visit

Venue: Vishwa Connectome Pvt Ltd, Hadapsar Pune Class: M Pharm and Faculty  
Date of visit: 05/09/2021

Sr. No	Name of Students	Signature
1.	Deepak Bhabad	
2.	Netal Bhansali	
3.	Sanket Bhatshankar	
4.	Shubham Mali	
5.	Raksha Rao	
6.	Ujwala Yedake	
7.	Prof Somdatta Chaudhari	
8.	Prof Nikita Gaikwad	
9.	Prof Rupali Jinturkar	
10.	Prof Sheetal Chaudhari	
11.	Prof Nikita Kale	
12.	Suraj Satpute	
13.	Saheer Bhatke	
14.	Dipali Chormale	
15.	Dhonde Sneha S.	

Dr. V. V. Chopade  
Industry visit incharge

Dr. P. D. Chaudhari  
Principal



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

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

Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,  
Directorate of Technical Education, Mumbai (M.T.E.), 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. Ph. No. : 220-27561315 Fax : 220-27561314  
E-mail : mcpnigdi44@gmail.com Website : www.mcpnigdi.in

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

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

Ref : mcp / TL / 2021-22 / 190 Date : 04/10/2021

To  
The Director/Manager  
Vishwa Connectome Pvt Ltd,  
Pune.

Dear Sir,

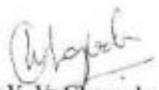
We are thankful to you for accepted our request for one day hands on training and industry visit to our M Pharm students and faculty members


It was a great pleasure for us to have provided the real insight of working procedure of your esteemed organization for our M. Pharm

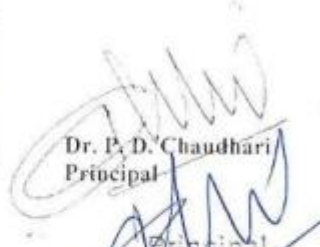
We again thank you for sparing your valuable time with us. We are sure that you will always be there to help us at every critical turn and we look forward to continuous association with you in future.


Thanking You,


Yours truly,

  
Dr V. V. Chopade  
Industry visit incharge



  
Dr. P. D. Chaudhari  
Principal



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

STRIVING TOWARDS EXCELLENCE

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

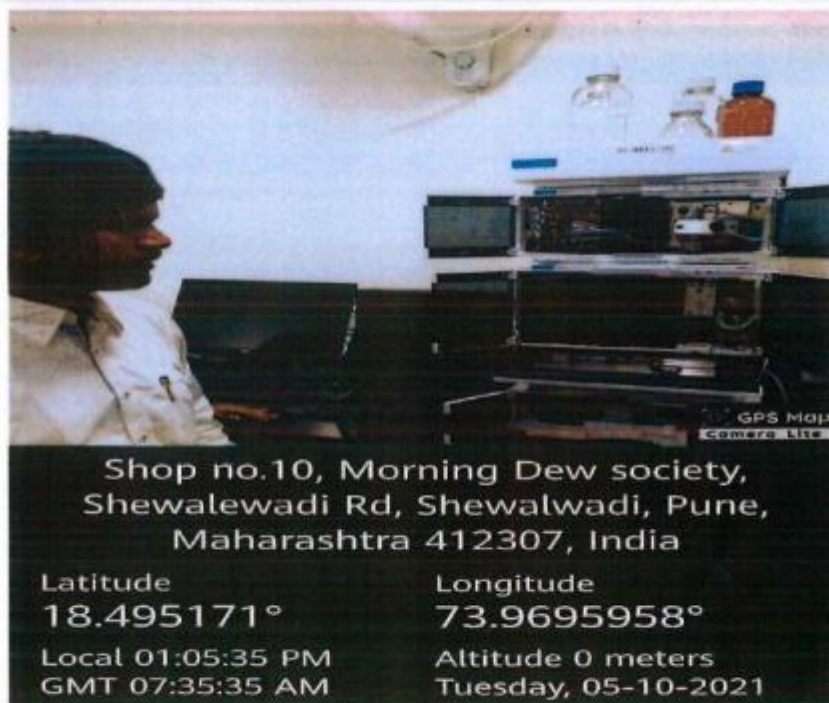
**REPORT OF INDUSTRY VISIT 2021-22**

1. Name of activity:	Industry visit for B. Pharm/ M Pharm/ Pharm D students	
2. Name of Industry	Vishwa Connectome Pvt Ltd, Hadapsar, Pune	
3. Date of activity	05/10/2021	
4. Total no students participate	15	
5. Occasion of activity	Industry Academic Interaction	
6. Place of visit	QAQC dept	
7. Objectives of activity	<ol style="list-style-type: none"><li>1. To get pharmacy knowledge, planning abilities, problem analysis, modern tool usage, professional identity, pharmaceutical ethics, communication, environment and sustainability, life-long learning.</li><li>2. To know working procedure of manufacturing unit and QAQC dept of Pharmaceutical industry</li><li>3. To get importance of accuracy in practical's experiments</li><li>4. How to operate equipments in pharma industry.</li></ol>	
8. Training given by	Dr. Virendra	
9. Name of faculty with students	Prof Somdatta Chaudhari Prof Shital Patil	
10. Activity co-coordinator	:Dr. Vitthal V Chopade	

  
Dr. V V Chopade  
Industry Visit Incharge

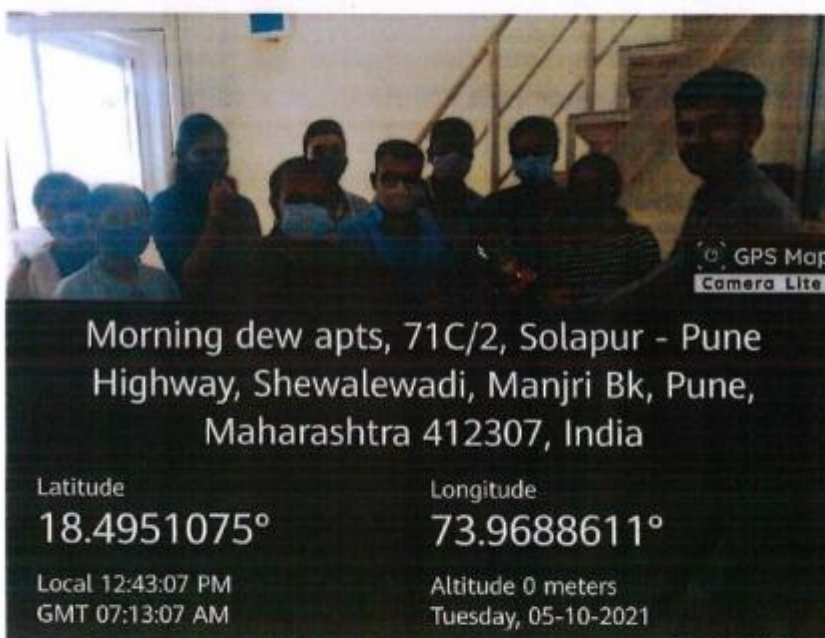
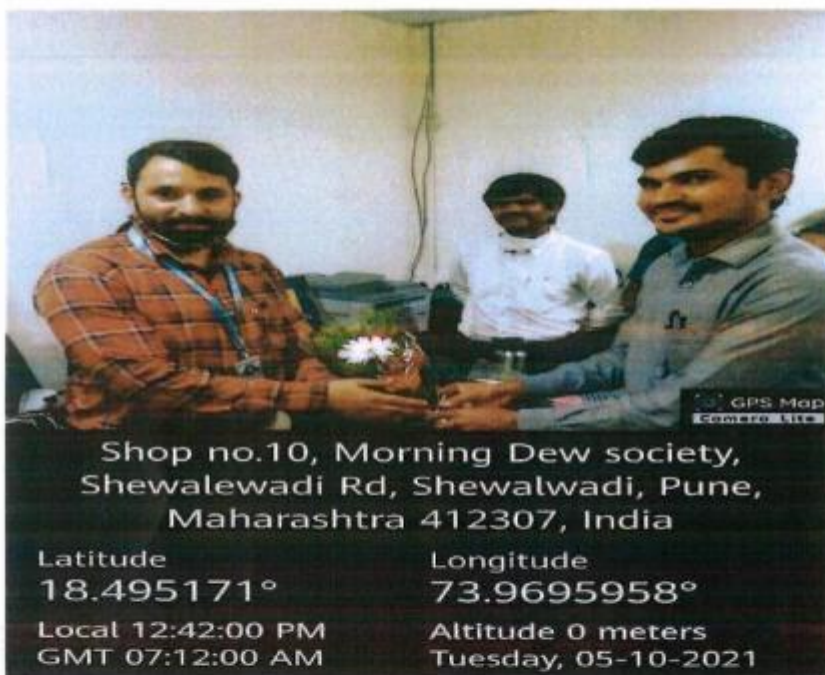



  
Principal  
P. E. S. Modern College of Pharmacy  
Sector No.21, Yamunanagar, Nigdi,  
Pune - 411 044.



Principal<sup>2</sup>  
P. E. S. Modern College of Pharmacy  
Sector No.21, Yamunanagar, Nigdi,  
Pune - 411 044.

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Principal  
P. E. S. Modern College of Pharmacy  
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Pune - 411044

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## MOU with VivekDoba training Institute,Pune

### Summary of activities under MOU

Sr no	Academic Year	Name of Activity	No of beneficiaries	Start Date	End Date
1	2021-2022	Guest Lecture	95	05/01/2022	05/01/2022

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www.vivekdoba.in

contact: 9284941277

info@vivekdoba.in

Dream

Evolve

Inspire

**We are in business of building success stories & convert your dream in to reality**

MEMORANDUM OF UNDERSTANDING (MOU) BETWEEN

**VIVEKK DOBA TRAINING INSTITUTE,  
CHINCHWAD, PUNE - 411033**

**&**

**Progressive Education Society's  
MODERN COLLEGE OF PHARMACY  
Nigdi Pune**

**FOR THE DEVELOPMENT OF ACADEMIC CO-OPERATION IN MANAGEMENT  
EDUCATION**

The core objective of this MOU is to stimulate & facilitate the development of collaborative & mutually beneficial activities which serve to elevate the intellectual, socio-cultural & personal development of stakeholders

- Students & staff of both institutes & to contribute towards mutual cooperation

Both the institutes have mutually agreed that in support of their common interests in the field of academics, research & allied areas as follows:

The two educational institutes will exchange the Students, Teachers, Trainers, & coach for the following activities:

- Curricular
- Co- Curricular
- Extra-Curricular
- Research, Innovation & Incubation
- Extension & Outreach Activities
- Student / Parent Counseling
- Career Counseling



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

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- This Agreement will take effect from date of signing & shall be valid for a period of 1 year from that dates unless sooner terminated, modified, revoked by mutual writing agreement, Between two institute & may be extended by mutual writing agreement
- Commercial & number of training programs will be as per oral / written communication.
- Topics for Training would include Emotional intelligence, social intelligence, Goal setting, How to study? Belief system, Communication skills, Soft skills, Business or Job Strategy , Memory Mastery , Students NLP, Leadership skill, Team buildings, Time management, College to campus, College to start up, Money & relationship management, Meditation, Digital mastery, Graphology, Toppers Blueprints, Neuro Linguistic Programming, TTT OR any other topic with mutual consent for Students, Teachers, Parent & Office Staff.
- Students motivational training workshop/Seminar/Program will be offline or online as per oral/written communication
- Either party may terminate agreement at any point in time during this term by the provision of three months written notice to the other party
- The parties hereby agree to establish mutual collaboration on above areas.

Date 12/01/2021

Place: Nigdi, Pune

Sign & Stamp

*Vivek Doba*

For VIVEK DOBA TRAINING INSTITUTE

**Vivekk Doba** <sup>Proprietor</sup>

Director

Vivekk Doba Training Institute

Sign & Stamp



*[Signature]*  
Principal

PES, MCP,

Nigdi Pune

Witness 1 Name & Sign

Dr. A. A. Phatak *[Signature]*

Witness 2 Name & Sign

Dr. Bhushan P. Pimple *[Signature]*

Dream

Evolve

Inspire




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

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2021-2022



Progressive Education Society's  
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Best College Award by Savitribai Phule Pune University



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

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

<p>Prof. Dr. P. D. Chaudhari M.Pharm., Ph.D. Principal</p>	<p>Prof. Dr. G. R. Ekbote M.S., M.N.A.M.S. Chairman, Business Council</p>
--	---


Date: 31/12/2021


### NOTICE

All First Year B. Pharm, Direct Second Year, First Year Pharm. D., Second Year Pharm. D. & Fourth Year Pharm D. (P.B.) students are hereby informed that your **"Three Days Induction Program"** is scheduled from **Tuesday, 04/01/2022 to Thursday, 06/01/2022**. Guest lecture on "Goal getting" by **Hon. Vivek Doba** Director at VDTs Digital Services is scheduled on **05/01/2022 at 12:00 pm to 2:00 pm**


Attendance is mandatory.

**Venue: MIBS (formerly IMCD) Building, Seminal Hall, Nigdi.**


 Session wise schedule are attached with this notice. Follow all the guidelines of covid-19 during the program.



**Prof. R. M. Gurav**  
Induction Program Coordinator



**Dr. P. D. Chaudhari**  
Principal



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

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Progressive Education Society's  
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Directorate of Technical Education, Mumbai (MS), Permanently Affiliated to  
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Section No.21, Yamunanagar, Nigdi, Pune-411 044. (M.S.) Tel : 020-27661315 Fax: 020-27661314  
E-mail : mcpnigdi44@gmail.com Website : www.mcop.org.in

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

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

Date: 31/12/2021

Ref:

To,  
Mr. Viveck Doba  
Director at VDTS Digital Services  
Author of Best Selling Book - 7 Merit Mantra.

Sub: Invitation as Resource Person for "Three days Induction Program"

Respected sir,

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

It is indeed a great pleasure to invite you as a **Resource Person** for **Three days Induction Program** on **4<sup>th</sup> Jan 2022 to 6<sup>th</sup> Jan 2022**. Sir, your long standing experience will be much helpful in guiding to newly admitted students. We would be highly obliged if you could spare your valuable time for the above event. Your cooperation in this regards will be highly solicited

Kindly email your acceptance and topic of your choice related to the theme and recent resume at your earliest convenience on [rohithpharmaceutics@gmail.com](mailto:rohithpharmaceutics@gmail.com) and [pdchaudhari21@rediffmail.com](mailto:pdchaudhari21@rediffmail.com)

**Date of your talk will be on 05/01/2022 at 12:00 pm to 2:00 pm.**

Looking forward to meet you




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


STRIVING TOWARDS EXCELLENCE FOREVER

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



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

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

---

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

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

---

Date: 04/01/2022

To,  
**Mr. Viveek Doba**  
Director at VDTs Digital Services  
Author of Best Selling Book - 7 Merit Mantra.

Subject: Thanking letter to the Resource Person for "Three days Induction Program"


Respected sir,


Hope this letter finds you in good health & high spirits.

On behalf of the faculty and staff at P. E. Society's Modern College of Pharmacy, Nigdi, Pune -44,  
We are really thankful to you for having accepted our invitation as resource person and delivered  
lecture to our students on occasion of "Three days Induction Program" during 04/01/2022 to  
06/01/2022, entitled "Goal Getting" on 05<sup>th</sup> January 2022 organized by Modern college of  
Pharmacy, Nigdi Pune -44

It was a great pleasure for us that your lecture was very much valuable and informative, the  
experiences you have shared with us will be helpful.

We are sure that your valuable support for the success of this college will always be with us in  
future.





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

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**Progressive Education Society's**  
**MODERN COLLEGE OF PHARMACY**  
 Yamunanagar, Nigdi, Pune -44



**Name of Activity: Induction Program**

**Date: 04/01/2022 to 06/01/2022**

**Date of Activity: 05/01/2022**

Sr. No.	Name of Participants	Sr. No.	Name of Participants
1.	Adhalrao Vaishnavi D	36	Yadav Amit Rajbali
2.	Gopnar Keshav Ranjeetrao	37	Yeole Mrugaja Rajendra
3.	Aaditya Gaikwad	38	Zinjurke Siddesh Kalyan
4.	Prafull Kamjalge	39	Pande Aishwarya Narharirao
5.	Satsang Kumthekar	40	Pathade Aditi Ambadas
6.	Soham Misal	41	Sawant Omkar Ravindra
7.	Shweta Nagare	42	Shendage Rohit Janardan
8.	Laasya Ratna Pagadala	43	Shinde Rohit Ananda
9.	Srusti Sonawane	44	Shirke Vaishnavi Vishnu
10.	Sindhav Krushnarajsinh	45	Phalke Pratik Kiran
11.	Solanke Omkar Shivaji	46	Raut Mahesh Digambar
12.	Barhate Jay Jitendra	47	Reddy Mahesh Rajkumar
13.	Bhale Geetanjali Narayan	48	Sabale Sahil Maruti
14.	Bhandare Akanksha Abhijit	49	Kandekar Tejas Vijay
15.	Bhumkar Pankaj V	50	Kapse Yash Raju
16.	Birje Siddhi Omprakash	51	Pande Aishwarya Narharirao
17.	Bisane Nisarga Nandkishor	52	Pathade Aditi Ambadas
18.	Sur Krishnkumarsinh	53	Mathapati Tushar Mallinath
19.	Suryawanshi Chanchal Raju	54	Mhetre Shweta Mohan
20.	Thorat Yash Ramesh	55	Mulla Taufik Usman
21.	Sur Krishnkumarsinh	56	Bobade Durga Manoj
22.	Chorghade Vijay Namdev	57	Bodkhe Shrinath Balaji
23.	Dhakne Dhanraj Shriram	58	Borhade Anuj Vivek
24.	Gosavi Deepali Shrikrushna	59	Chaudhari Sakshi Nitin
25.	Hiremath Niraj Sharanayya	60	Kulkarni Yash Balkrushna
26.	Ishte Kirti Dattatray	61	Mane Digvijay Bharat
27.	Jadhav Rupesh Ramrao	62	Adhav Atharv Raju
28.	Joshi Atharva Praful	63	Adsul Jivan Kantilal
29.	Nigade Nikita Nanasaheb	64	Aglave Akanksha Sanjay
30.	Khair Pooja Sunil	65	Akolkar Shrutika Bhlmaraj
31.	Sabale Sahil Maruti	66	Shirude Atharva Bhagwan
32.	Sambare Dattatray Shrikrushna	67	Sontakke Rutuja Kiran
33.	Sapkal Tushar Shrimant	68	Talekar Sanika Sanjay
34.	Wakude Shrikrushna Santosh	69	Bagalkot Priti Mohan
35.	Wankhede Khushi Kailas	70	Barge Kunal Gajanan

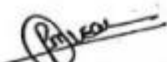
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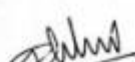
**Progressive Education Society's  
MODERN COLLEGE OF PHARMACY  
Yamunanagar, Nigdi, Pune -44**



Sr. No.	Name of Participants	Sr. No.	Name of Participants
71	Dhumal Shraddha Swapnil	86	Shreeparna Bhattacharya
72	Dudhabhate Rutuja Anuraj	87	Vasundhara Deosarkar
73	Gaikwad Anish Arun	88	Siddhi Dhawade
74	Gambhir Suyash Deepak	89	Niranjana Hingane
75	Chaukate Prerana Adinath	90	Ankit Jadhao
76	Chavan Arati Santosh	91	Yuvraj Jadhav
77	Dhumekar Vedashree Anil	92	Rutika Kamble
78	Dudhade Devendra Sanjay	93	Neerav Motwani
79	Galande Shubham Vijay	94	Nikita Sanap
80	Ghogare Nilesh Balaji	95	Kirti Savali
81	Reddy Mahesh Rajkumar		
82	Shinde Tejas Subhash		
83	Shirke Rui Vijay		
84	Kamble Anushka Anil		
85	Kamble Anushka Arvindkumar		

  
**Prof. R. M. Gurav**  
Induction Program Coordinator



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

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Progressive Education Society's  
**MODERN COLLEGE OF PHARMACY**  
Yamunanagar, Nigdi, Pune -44



1.	Name of activity	Guest lecture on "Goal getting"
2.	Date of activity	5 <sup>th</sup> January 2022
3.	Time	12:00 pm to 2:00 pm
4.	Speaker	Hon. Vivek Doba (Director at VDTs Digital Services)
5.	No. of total students participated	95
6.	Occasion of activity	Induction Program
7.	Inauguration by	Dr. Mahesh D. Burande and Dr. Pravin D. Chaudhari sir
8.	Place of activity	MIBS (formerly IMCD) Building, Seminal Hall, Nigdi.
9.	Objectives of activity	<p>Progressive Education Society's Modern College of Pharmacy, Nigdi has organized has initiated 03 days Induction Program for First Year B. Pharm, Direct Second Year, First Year Pharm. D., Second Year Pharm. D. &amp; Fourth Year Pharm D. (P.B.) students to inculcate holistic way of understanding the society and relationships.</p> <p>Purpose of the Student Induction Program is to help new students adjust and feel comfortable in the new environment, inculcate culture of the institution in them, help them build bonds with other students and faculty members, practice human values to build characters and expose them to a sense of larger purpose and self-exploration.</p>
10.	Outcome of activity	Participants have enlightened about the importance of Goals in life. They get to know that Everyone should have goals in life. When you have a goal, you live for that goal and put effort each day to achieve it And when you achieve that goal, it brings you unlimited happiness. Session helps participant to set their life Goals



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

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Progressive Education Society's  
**MODERN COLLEGE OF PHARMACY**  
Yamunanagar, Nigdi, Pune -44



**Photos of Activity**



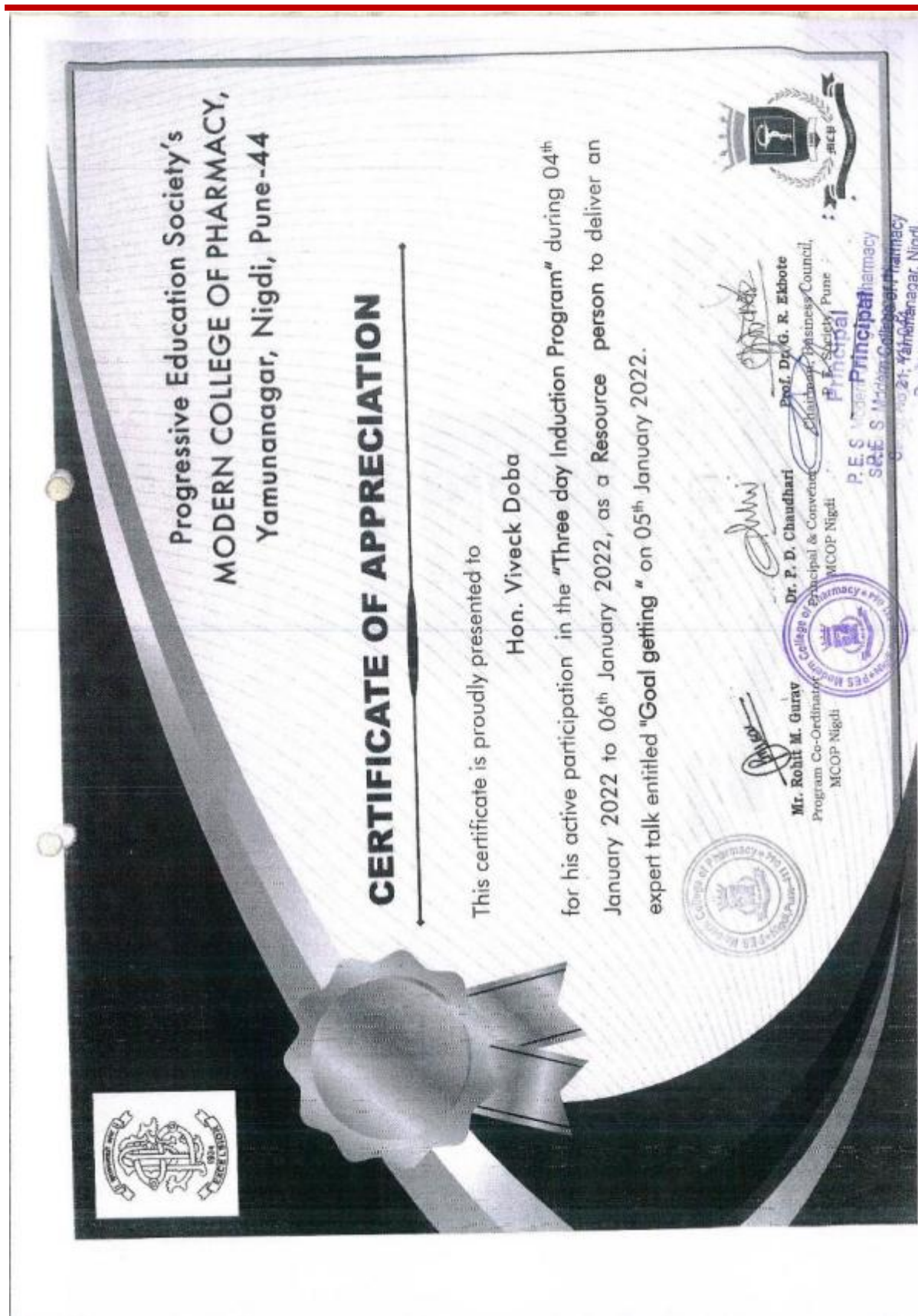
**Prof. R. M. Gurav**  
Induction Program Coordinator

**Dr. P. D. Chaudhari**  
Principal



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

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## MOU with Vivekanand Kendra Kanyakumari (Shakha:Pimpri Chinchwad), Pune.

### Summary of activities under MOU

Sr no	Academic Year	Name of Activity	No of beneficiaries	Start Date	End Date
1	2021-2022	Guest Lecture	95	05/01/2022	05/01/2022
2	2022-2023	Leadership development camp	50	08/10/2022	08/10/2022
3	2022-2023	State level youth Leadership development camp	05	24/12/2022	27/12/2022
4	2022-2023	National youth day celebration	100	12/01/2023	12/01/2023

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विवेकानंद केंद्र - कन्याकुमारी

शाखा: चिंचवड

५५, यामुनानगर, चैतन्य संग्राम संमोर, चिंचवड, पुणे - ४११०३३

दूरध्वनी: ९६०४६८३८०१, ९२७०२४६९०१, ९९२२२४६३१४ ईमेल: chinchwad@vkendra.org



Ref No: VKK/PCMC/२०२०-२१/

दिनांक: 12/01/2020

Memorandum of Understanding (MoU)

Between

Progressive Education Society's Modern College of Pharmacy

Nigdi Pune (First Party)

And

Vivekanand Kendra Kanyakumari

Shakha - Pimpri Chinchwad (Second Party)

Are pleased to put their hands together to enter into a Memorandum of Understanding as mentioned below in the field of 'Overall student development' sharing for mutual interest.

In the MoU both the above mentioned organizations have been individually referred to as "Party" and jointly as "Parties".

Objectives of the MoU


1. To promote interaction between Progressive Education Society's Modern College of Pharmacy, Nigdi Pune and Vivekanand Kendra Kanyakumari Shakha -Pimpri Chinchwad for the benefits of overall development of the students.
2. The main motive of this initiative is to provide "man making education and ethical values" to the students along with academic excellence.
3. Sharing of technical knowledge and student improvement programs.
4. Participation of both organizations in social activities.
5. Exchange the ideas about "Human Resource Development".
6. Conduct joint research in the area of mutual interest.
7. Organize meetings/workshops/seminars.
8. Approaching for on field training for the students.

विवेकानंद केंद्राच्या कन्याकुमारी शाखा (राजि. नं. १५०६१९८३) याचे अध्यक्ष देवजीदास शंकरकावदास नुसार, ८०-६ तरावडीदलगे, अहमदनगर, महाराष्ट्र.

देवजीदास शंकरकावदास नुसार, पुणे-४११०३३ / यामुनानगर, चैतन्य संग्राम संमोर, चिंचवड, पुणे-४११०३३. अशाच पद्धतीच्या कोणत्याही अशा संस्थांशी या केंद्राच्या शाखांना संबंधित राहिलेले नाहीत.

Acc. Details: Vivekanand Kendra - Chinchwad - 201903541A0 IFSC Code: MAHB0000127



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

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विवेकानंद केंद्र - कन्याकुमारी

शाखा: चिंचवड

५५. पयसाजगर, चैतन्य सभागृह समोर, चिंचवड, पुणे : ४११०३३

दूरध्वनी: ९६०४६८३८०१, ९२७०२४६९०१, ९९२२९४६३१४ ईमेल: [chinchwad@vkendra.org](mailto:chinchwad@vkendra.org)



Ref No: VKK/PCMC/2020-21/

दिनांक: 12/01/2020

#### Areas of Collaboration:

Major areas identified from Vivekanand Kendra Kanyakumari Shakha – Pimpri Chinchwad for - Progressive Education Society's Modern College of Pharmacy, Nigdi Pune are as follows:

- I. To conduct workshop Let's Play Exam! Exam!! For Pharmacy students which minimizes fear of exam and changes attitude about exam and education.
- II. Take responsibility of International Day of Yoga.
- III. Conduct leadership development programs for all the students. It may be further divided in three phase namely online exam, one day camp and three days residential camp.
- IV. Help to identify speaker for cultural activities, national festival etc.
- V. Sharing of all information about Vivekananda Rock Memorial (VRM) for case study of VRM from Management perspective.
- VI. To conduct workshop for faculty members and non teaching staff.

**Major areas identified from Progressive Education Society's Modern College of Pharmacy, Nigdi Pune for Vivekanand Kendra KanyakumariShakha – Pimpri Chinchwad are as follows:**

- I. Availability of infrastructure for various workshops and functions along with necessary arrangements.
- II. Assistance of faculty members and support staff for continuous follow up of Pharmacy students to observe academic excellence due to workshop.
- III. Make awareness in students regarding participation in the leadership development program.
- IV. Availing Library facilities for VIVEKANANDA KENDRA volunteers.
- V. Participation of the institute in the activities organized by Vivekanand Kendra Kanyakumari Shakha – Pimpri Chinchwad social activities.

## Terms and Termination

1. First party can use the use the name and logo of the second party for organizing the program only after taking the written consent.
2. First party should appoint minimum one student representative and a staff representative who will coordinate with single point of contact appointed by the second party.
3. First party should provide proper space to display the banner, pamphlet, leaflet etc. to spread the awareness about the upcoming activities planned by second party.
4. This MoU may be altered by mutual written consent of both parties by the request of either party. Any alternations shall become effective at the time that both parties indicate their consent in writing.
5. This MoU, unless extended by mutual written agreement of the parties, shall expire 5 years after the effective date specifies in the opening paragraph.
6. This MoU may be terminated earlier by mutual written agreement of the parties at any time. Either party shall have the right to unilaterally terminate this MoU upon 30 days prior written notice to the party.

विदेकानंद हिन्दु सार्वजनिक विश्वविद्यालय (रजि. नं. 383/आ/1983) याचे आयकर देण्यासाठी शासनाच्या कायदांनुसार, 80-G तालुकीद्वारे अभ्यासस्थळी  
देखील देण्याची परवानगी आहे. **दुपचास-विदेकानंद केंद्र - विद्यार्थी / यज्ञावली** यांच्यात याबाबतचा कर टप्प्यावर करार झाला आहे.  
Acc. Details: "Videkanand Kendra - CHDCHWED" 201603154140 IFSC Code:MAH480000127

App. Details: "Vivekanand Kendra - Chinchwad", ID160374140 IFSC Code:MAH0000012



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

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विवेकानंद केंद्र - कन्याकुमारी

शाखा: चिंचवड

५५, पवनानगर, चैतन्य सभागृह समोर, चिंचवड, पुणे : ४११०३३

दूरध्वनी: ९६०४६८३८०१, ९२७०२४६९०१, ९९२२९४६३१४ ईमेल: chinchwad@vkendra.org

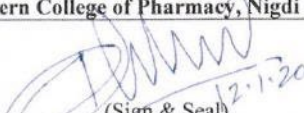
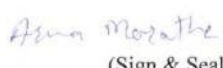


Ref No: VKK/PCMC/२०२०-२१/

दिनांक: 12/01/2020

The parties have caused their respective duly authorized representatives to execute and deliver this agreement on the dated mentioned herein above.

Place : Nigdi Pune

For Progressive Education Society's Modern College of Pharmacy, Nigdi Pune	For Vivekananda Kendra KanyakumariShakha – PimpriChinchwad
 (Sign & Seal)	 (Sign & Seal)
Name – Dr. P. D. Chaudhari	Name – Smt. Aruna Marathe
Title – Principal	Title – Sanchalika & Sanyojak



Witness 1.

Dr. A. A. Phatak



Witness 2

Dr. Bhushan P. Pimple

विवेकानंद शिवालयक आणि विवेकानंद केंद्र (रजि. नं. ३४औ.१९६३) यांचे आयकर देणगीदारास आयकर कायदानुसार, ८०-८ तरतुदीद्वारे आयकर सूट मिळते.

देणगीदारांनी धनादेशवाढी, डाफ्टस "विवेकानंद केंद्र - चिंचवड" / यानावांनी कन्याकुमारी येथे अथवा पैसांचा वाटोळ्याकडून संपादन करता येतील.

Acc. Details: "Vivekananda Kendra - Chinchwad" 020150354140 IFSC Code: MAHB0000127




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

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2021-2022



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



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

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

<p>Prof. Dr. P. D. Chaudhari M.Pharm., Ph.D. Principal</p>	<p>Prof. Dr. G. R. Ekbote M.S., M.N.A.M.S. Chairman, Business Council</p>
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Date: 31/12/2021

### NOTICE

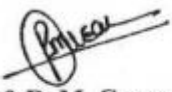
All First Year B. Pharm, Direct Second Year, First Year Pharm. D., Second Year Pharm. D. & Fourth Year Pharm D. (P.B.) students are hereby informed that your **"Three Days Induction Program"** is scheduled from **Tuesday, 04/01/2022 to Thursday, 06/01/2022**. **Guest lecture on "Swami Vivekananda: Ideal of youth"** by **Dr. Rupa Shaha** (Vivekananda Kendra Kanyakumari Branch-PCMC) is scheduled on **05/01/2022 at 11:00 am to 12:00 pm**

Attendance is mandatory.


**Venue: MIBS (formerly IMCD) Building, Seminal Hall, Nigdi.**


*Session wise schedule are attached with this notice.*

*Follow all the guidelines of covid-19 during the program.*



**Prof. R. M. Gurav**  
Induction Program Coordinator





**Dr. P. D. Chaudhari**  
Principal  
Principal  
P. E. S. M.  
Sector No. 2  
Pune

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**Progressive Education Society's**  
**MODERN COLLEGE OF PHARMACY**  
 Yamunanagar, Nigdi, Pune -44



**Name of Activity: Induction Program**

**Date: 04/01/2022 to 06/01/2022**

**Date of Activity: 05/01/2022**

Sr. No.	Name of Participants	Sr. No.	Name of Participants
1.	Adhalrao Vaishnavi D	36	Yadav Amit Rajbali
2.	Gopnar Keshav Ranjeetrao	37	Yeole Mrugaja Rajendra
3.	Aaditya Gaikwad	38	Zinjurke Siddesh Kalyan
4.	Prafull Kamjalge	39	Pande Aishwarya Narharirao
5.	Satsang Kumthekar	40	Pathade Aditi Ambadas
6.	Soham Misal	41	Sawant Omkar Ravindra
7.	Shweta Nagare	42	Shendage Rohit Janardan
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10.	Sindhav Krushnarajsinh	45	Phalke Pratik Kiran
11.	Solanke Omkar Shivaji	46	Raut Mahesh Digambar
12.	Barhate Jay Jitendra	47	Reddy Mahesh Rajkumar
13.	Bhale Geetanjali Narayan	48	Sabale Sahil Maruti
14.	Bhandare Akanksha Abhijit	49	Kandekar Tejas Vijay
15.	Bhumkar Pankaj V	50	Kapse Yash Raju
16.	Birje Siddhi Omprakash	51	Pande Aishwarya Narharirao
17.	Bisane Nisarga Nandkishor	52	Pathade Aditi Ambadas
18.	Sur Krishnkumarsinh	53	Mathapati Tushar Mallinath
19.	Suryawanshi Chanchal Raju	54	Mhetre Shweta Mohan
20.	Thorat Yash Ramesh	55	Mulla Taufik Usman
21.	Sur Krishnkumarsinh	56	Bobade Durga Manoj
22.	Chorghade Vijay Namdev	57	Bodkhe Shrinath Balaji
23.	Dhakne Dhanraj Shriram	58	Borhade Anuj Vivek
24.	Gosavi Deepali Shrikrushna	59	Chaudhari Sakshi Nitin
25.	Hiremath Niraj Sharanayya	60	Kulkarni Yash Balkrushna
26.	Ishte Kirti Dattatray	61	Mane Digvijay Bharat
27.	Jadhav Rupesh Ramrao	62	Adhav Atharv Raju
28.	Joshi Atharva Praful	63	Adsul Jivan Kantilal
29.	Nigade Nikita Nanasaheb	64	Aglave Akanksha Sanjay
30.	Khair Pooja Sunil	65	Akolkar Shrutika Bhlmaraj
31.	Sabale Sahil Maruti	66	Shirude Atharva Bhagwan
32.	Sambare Dattatray Shrikrushna	67	Sontakke Rutuja Kiran
33.	Sapkal Tushar Shrimant	68	Talekar Sanika Sanjay
34.	Wakude Shrikrushna Santosh	69	Bagalkot Priti Mohan
35.	Wankhede Khushi Kailas	70	Barge Kunal Gajanan


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**Progressive Education Society's  
MODERN COLLEGE OF PHARMACY  
Yamunanagar, Nigdi, Pune -44**



Sr. No.	Name of Participants	Sr. No.	Name of Participants
71	Dhumal Shraddha Swapnil	86	Shreeparna Bhattacharya
72	Dudhabhate Rutuja Anuraj	87	Vasundhara Deosarkar
73	Gaikwad Anish Arun	88	Siddhi Dhawade
74	Gambhir Suyash Deepak	89	Niranjan Hingane
75	Chaukate Prerana Adinath	90	Ankit Jadhao
76	Chavan Arati Santosh	91	Yuvraj Jadhav
77	Dhumekar Vedashree Anil	92	Rutika Kamble
78	Dudhade Devendra Sanjay	93	Neerav Motwani
79	Galande Shubham Vijay	94	Nikita Sanap
80	Ghogare Nilesh Balaji	95	Kirti Savali
81	Reddy Mahesh Rajkumar		
82	Shinde Tejas Subhash		
83	Shirke Rui Vijay		
84	Kamble Anushka Anil		
85	Kamble Anushka Arvindkumar		

  
**Prof. R. M. Gurav**  
Induction Program Coordinator



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

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Progressive Education Society's  
**MODERN COLLEGE OF PHARMACY**  
Yamunanagar, Nigdi, Pune -44



1.	Name of activity	Guest lecture on "Swami Vivekananda: Ideal of youth"
2.	Date of activity	5 <sup>th</sup> January 2022
3.	Time	11:00 am to 12:00 pm
4.	Speaker	<b>Dr. Rupa Shaha</b> (Vivekananda Kendra Kanyakumari Branch-PCMC)
5.	No. of total students participated	95
6.	Occasion of activity	Induction Program
7.	Inauguration by	Dr. Mahesh D. Burande and Dr. Pravin D. Chaudhari sir
8.	Place of activity	MIBS (formerly IMCD) Building, Seminal Hall, Nigdi.
9.	Objectives of activity	<p>Progressive Education Society's Modern College of Pharmacy, Nigdi has organized has initiated 03 days Induction Program for First Year B. Pharm, Direct Second Year, First Year Pharm. D., Second Year Pharm. D. &amp; Fourth Year Pharm D. (P.B.) students to inculcate holistic way of understanding the society and relationships.</p> <p>Purpose of the Student Induction Program is to help new students adjust and feel comfortable in the new environment, inculcate culture of the institution in them, help them build bonds with other students and faculty members, practice human values to build characters and expose them to a sense of larger purpose and self-exploration.</p>
10.	Outcome of activity	Participants understood about Swami Vivekananda and their yoga techniques that provided insight into the wide range of India's spiritual cultures. She described Vivekananda meditation and yoga as a method of self-evaluation of all ideas in the brain. These practical teachings of yoga and meditation benefited participants to understand the technique of meditation



  
Principal

P. E. S. Modern College of Pharmacy  
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Pune - 411 044.

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Progressive Education Society's  
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Yamunanagar, Nigdi, Pune -44



**Photos of Activity**



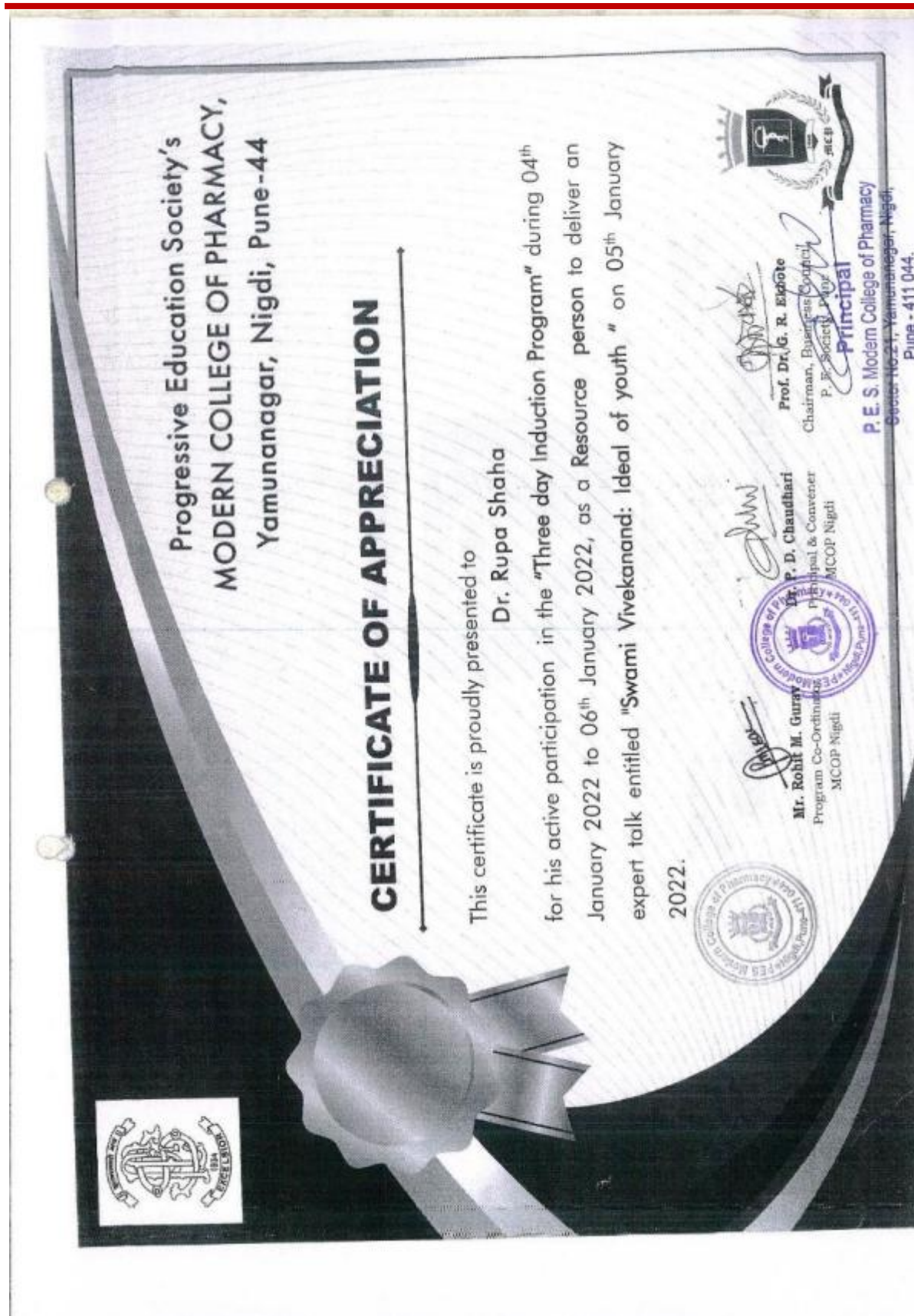
**Prof. R. M. Gurav**  
Induction Program Coordinator

**Dr. P. D. Chaudhari**  
Principal



**Principal**  
P. E. S. Modern College of Pharmacy  
Sector 1, Yamunanagar, Nigdi,  
Pune - 411 044.

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**2022-2023**



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



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

Section No.21, Yamunanagar, Nigdi, Pune-411 044. (M.S.) Tel.: 020-27661315 Fax: 020-27661314  
E-mail: 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: 03/10/2022


**NOTICE**

All the B.Pharm, Pharm.D students of Modern College of Pharmacy Nigdi are hereby informed that the Swami Vivekananda Kendra Chinchwad Pune will be conducting Yuva Netrutva Vikasan camp (Leadership development camp). All the NSS unit students and interested students note that you have to gather in seminar hall on 08.10.2022 at seminar hall.

**Date:** 08.10.2022  
**Time:** 12:00 pm to 4:00 pm  
**Venue:** Seminar Hall


**Note:**  
Carry small note book along with pencil with you.  
Attendance is compulsory to all NSS students.  
Students must carry the ID card for the program.  
*For more updates follow the official Facebook & Instagram Account of MCOP Nigdi*



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

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Vivekanand Kendra

विवेकानंद केंद्र कन्याकुमारी  
महाराष्ट्र प्रांत

# युवा नेतृत्व विकसन उपक्रम


## प्रमाणपत्र


Shreya Tukaram Sonawane

कुमार/कुमारी

याने / हिने युवा नेतृत्व विकसन उपक्रमात यशस्वी सहभाग घेतल्याबद्दल आपणांस सन्मानपूर्वक हे प्रमाणपत्र देण्यात येत आहे. (अभिर्नतु !)

दि. : सयळ : Modern College of Pharmacy, Nigdi





प्रांत प्रमुख  
अभय बापट

प्रांत संचालक  
किरण किरतने

Principal  
P.E.S. Modern College of Pharmacy, Nigdi

Pure - 411 044

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

NSS REGULAR ACTIVITY REPORT 2022-2023

1.	Name of activity	Youngsters Personality Development
2.	Date of activity	8.10.2022
3.	Time	12 PM-3PM
4.	Total no students participate	50
5.	Occasion of activity	NSS Activity
6.	Inauguration by	Dr. Atul Pathak
7.	Place of activity	Yamuna Nagar Nigdi Pune Maharashtra 411044
8.	Objectives of activity	To develop students skills and overall behavior to face challenges. To encourage students for participation of extra-co curricular activity. To develop students positive attitude and confidence to face examination.
9.	Outcome of activity	Students got idea regarding how to study difficult things by drawing map for memorization. Students are aware of importance of positive thinking. Students know the role of books, Yoga, meditation and healthy diet in our life.
10.	Activity co-coordinator	Ms. P.V.Bagade Mr. R.M.Gurav



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Photos of activity



Mr. R.M. Gurav

NSS Program officer



Dr. P.D. Chaudhari

Principal  
P.E.S. Modern College of Pharmacy  
Sector No.21, Yamunanagar, Nigdi,  
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07

**P. E. Society's  
Modern College of Pharmacy, Nigdi. Pune-44  
NSS Regular Activity Report 2022-23**

Name of Activity: Youngsters Personality Development Workshop

Date & Time: 08/10/2022, 10:00 am to 01:00 pm

Venue: College Campus

Sr. No.	Name of Student	Class	Signature
1	Sanika Anand Shelar	T.Y. B. Pharm	<i>Sanika</i>
2	Rohit Baheti	Third year	<i>Rohit</i>
3	Shadab Shaikh	Third yr	<i>Shadab</i>
4	Aditya Kasar	T.Y.	<i>Aditya</i>
5	Udaya Chaudhari	T.Y.	<i>Udaya</i>
6	Smriti Phand	T.Y.	<i>Smriti</i>
7	Ashish Shendulkar	T.Y.	<i>Ashish</i>
8	Bhumi Bhole	T.Y.	<i>Bhumi</i>
9	Siddhi Chavan	T.Y.	<i>Siddhi</i>
10	Shivani Phasale	T.Y.	<i>Shivani</i>
11	Sohan Bharamba	T.Y.	<i>Sohan</i>
12	Neha Nevse	T.Y.	<i>Neha</i>
13	Vaishnavi More	T.Y.	<i>Vaishnavi</i>
14	Hishikesh Nikam	T.Y.	<i>Hishikesh</i>
15	Purva Konde	T.Y.	<i>Purva</i>
16	Deepthi Gunjal	T.Y.	<i>Deepthi</i>
17	Gauri Kasande	T.Y.	<i>Gauri</i>
18	Pranav Jadhav	T.Y.	<i>Pranav</i>
19	Gaurav Kela	T.Y.	<i>Gaurav</i>
20	Rajesh Chutte	T.Y.	<i>Rajesh</i>
21	Sayali Shinde	T.Y.	<i>Sayali</i>
22	Swapnali Shedge	T.Y.	<i>Swapnali</i>
23	Aditi Bunde	T.Y.	<i>Aditi</i>
24	Dipak Gonde	T.Y.	<i>Dipak</i>
25	Omkar Jadhav	T.Y.	<i>Omkar</i>



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

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Sr. No.	Name of Student	Class	Signature
26	gore vikas	T.Y.B	
27	Prathamesh Panzade	T.Y.	
28	onkar Jadhav	T.Y.B	
29	Saavesh Kulkarni	T.Y.B. Pharm.	
30	sakshi palve	T.Y.	
31	Abhinav Thorat	T.Y.	
32	Ankita Khaire	T.Y.	
33	Aditya Babhalkar	T.Y.B Pharm	
34	Vinayakarshik Kulkarni	T.Y.B Pharm	
35	Vashraj Dhamale	T.Y.	
36	Vishal Sardahe	T.Y.B.	
37	Ajit Saini	T.Y.B.	
38	Pratham Pawar	T.Y.B	
39	Vishal Gargwane	T.Y.B	
40	Utkarsha Patil	Final Y	
41	Tejashree Rane	Final I	
42	Gautami Khunsaba	T.Y.	
43	Deveshree Patil	T.Y.	
44	Pamdeshi Pnema	T.Y.B.	
45	Ishwari masam	T.Y.B	
46	Pranaya Nawale	T.Y. B Pharm	
47	Prathamush Khandole	T.Y.B Pharm	
48	Aditya Nagle	T.Y.	
49	Tanmay Satkar	Final Year	
50	Om Dhengale	T.Y.	

Youngsters Personality Development Workshop

NSS Program Officer



Principal  
P.E.S. Modern College of Pharmacy  
Sector No. 1, Lamunanagar, Nigdi,  
Pune - 411 044.

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विद्येकानंद केंद्र - कन्याकुमारी

शास्त्राः चिन्तयन्तु

५५, पडवानगर, दैत्य सभागृह समीर, चिंचवड, पुणे : ४११०३३

दूरध्वनी: ९६०४६८३८०१, ९२७०२४६९०१, ९९२२९४६३१४ ईमेल: [info@shreeganga.org](mailto:info@shreeganga.org)



Date : 18/10/2022

To,  
Respected Principal,  
Modern collage of pharmacy,  
Nigadi

Sub:- Youth Leadership Development Camp

Following volunteers of Modern College of Pharmacy, Nigdi are selected for the 3 days State level Youth Leadership Development Camp organised by the Swami Vivekanand Kendra on 24<sup>th</sup> December to 27<sup>th</sup> December 2022 at Kanyakumari, TamilNadu.

Sr. No.	Name of Volunteer	Class
1.	Mahesh DigambarRaut	S.Y.B.Pharm
2.	TusharRajabhauVarat	S.Y.B.Pharm
3.	NileshBalajiGhogare	S.Y.B.Pharm
4.	YashBalkrushna Kulkarni	S.Y.B.Pharm
5.	OmkarRavindraSawant	S.Y.B.Pharm
6.	SiddheshKalyanZhinzurke	S.Y.B.Pharm
7.	TusharShrimantSapkal	S.Y.B.Pharm
8.	RohitAnandaShinde	S.Y.B.Pharm
9.	Shrikrushna Santosh Wakude	S.Y.B.Pharm
10.	RupeshRamraoJadhav	S.Y.B.Pharm
11.	RohitMarutiGurav	Facuty

Thank you.

Your polite,

Mrs. Arunatai Marathe  
(9604683801)  
Sanchalika

Mr.Pundalik Mate  
(9881042443)  
Nagar Pramukh

Mr.Avinash Gokhale  
(9922946314)  
Vyavastha pramukh




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


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2022-2023

  		
<b>P. E. Society's Modern College of Pharmacy, Nigdi, Pune-44</b>		
<b>NSS REGULAR ACTIVITY REPORT 2022- 2023</b>		
1.	Name of activity	3 Days "Youth Leadership Development Camp" Kanyakumari
2.	Date of activity	24/12/2022 to 27/12/2022
3.	Time	7:00 am to 9:00 pm
4.	No. of total students participated	05
5.	Occasion of activity	-
6.	Place of activity	Swami Vivekanand Kendra, Kanyakumari, Tamilnadu.
7.	Objectives of activity	To develop the leadership among the students To improve Communication & Management Skills.
8.	Outcome of activity	Outcomes for youth participating in leadership development programming are increased self-efficacy and the development of skills relevant to success in adulthood and the workplace such as decision-making and working well with others.
9.	Activity co-coordinator	Mr. R.M.Gurav

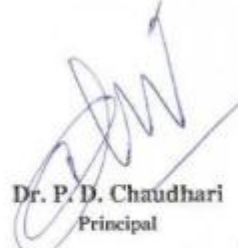
  
Principal  
P. E. S. Modern College of Pharmacy  
Sector No.21, Yamunanagar, Nigdi  
Pune - 411 044.

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Dr. Rajani B. Mali  
NSS Program Officer

  
Mr. R. M. Gurav  
NSS Program Officer

  
Dr. P. D. Chaudhari  
Principal



Principal  
P. E. S. Modern College of Pharmacy  
Sector 12, Nigdi,

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# विवेकानंद केंद्र कन्याकुमारी

शास्त्रा : गिंपरी-चिंचवड

५९, पदनागर, चैतन्य समाग्रसंगीत, विचवड, मुंबी - ४११०३३.  
दुरधनी : ९६०४६६३८०९, ९२७०२४६९०९, ९९२२९४६३१४  
Email : chinchwad@vkendra.org

## प्रशस्तीपत्र

कुमार/कुमारी प्रा. रोहित मारुती गुरुव  
ह्यास/हीस "गुणा नेवृत्त विकसन" बाल्यस्त्रीय शिबिर, कन्याकुमारी  
सहभागी झाल्यानिमित्त हे प्रशस्तीपत्र देण्यात येत आहे.

मनःपूर्वक अभिनंदन ।

दिनांक : २४ ते २७ डिसेंबर २०२२

१/२/२४ ११०५५  
अरुणाताई मराठे  
केंद्र संचालिका





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

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# विवेकानंद केंद्र कन्याकुमारी

शास्त्रा : गिरीश-चिंतन

५५, पल्लवमार्ग, वैतन्य सनातनसमोर, विवाह, पुणे - ४११०३३.  
दूरध्वनी : ९६०४६३६०१, ९२४०२४६१०१, ९९२९४६३९४  
Email : chinchwad@vivekendra.org

## प्रशस्तीपत्र

कुमार/कुमारी श्रीरुषा नंतीव वाळुडे.  
ह्यास/ही "युवा नेतृत्व विकास" बाब्यनवशिय शिबिर, कन्याकुमारी  
सहभागी झाल्यानिमित्त हे प्रशस्तीपत्र देण्यात येत आहे.

मतःपूर्वक अमिर्तदत्त !

दिनांक : २४ ते २७ डिसेंबर २०२२

अरुणाताई मराठे  
केद्र संचालिका





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

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**2022-2023**

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



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

Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044. (M.S.) Tel. : 020-27681314 / 15  
E-mail : mcopnigdi44@gmail.com Website : www.mcop.org.in

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

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


Ref : \_\_\_\_\_ Date : 11/01/2023


All the Pharm D student hereby informed that on 12<sup>th</sup> January 2023 we will be celebrating National Youth Day on the occasion of birthday of Swami Vivekananda. In view of this day we will be conducting Suryanamsakar activity at 7am. All the students are requested to be present for activity.


Venue : College Ground

Time : 7am – 8am

Note : All are requested to wear Yoga costume or loose comfortable clothes.

  
Dr. R. B. Mali  
NSS Program Officer  
**Programme Officer**  
National Service Scheme (NSS)  
Modern College of Pharmacy  
Nigdi, Pune - 411044






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


**STRIVING TOWARDS EXCELLENCE FOREVER**


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<div style="display: flex; justify-content: space-around; align-items: center;"></div> <p style="text-align: center;"><b>P. E. Society's Modern College of Pharmacy, Nigdi, Pune-44</b></p> <p style="text-align: center;"><b>NSS REGULAR ACTIVITY REPORT 2022-2023</b></p>		
1.	Name of activity	National Youth Day Celebration
2.	Date of activity	12.01.2023
3.	Time	7.00 am to 9.00 am
4.	Total no students participate	100
5.	Occasion of activity	National Youth Day (Swami Vivekananda Jayanti)
6.	Inauguration by	Vivekananda Kendra, Kanyakumari
7.	Place of activity	Modern College of Pharmacy, Nigdi
8.	Objectives of activity	It's a total mind-body workout that combines strengthening and stretching poses with deep breathing and meditation or relaxation.
9.	Outcome of activity	That way, yoga can support the healing process and help the person experience symptoms with more centeredness and less distress. It improves strength, balance and flexibility. ... It relaxes you, to help you sleep better.
10.	Activity co-coordinator	R.M. Gurav, Dr. R. B. Mali, Priyanka Bagade

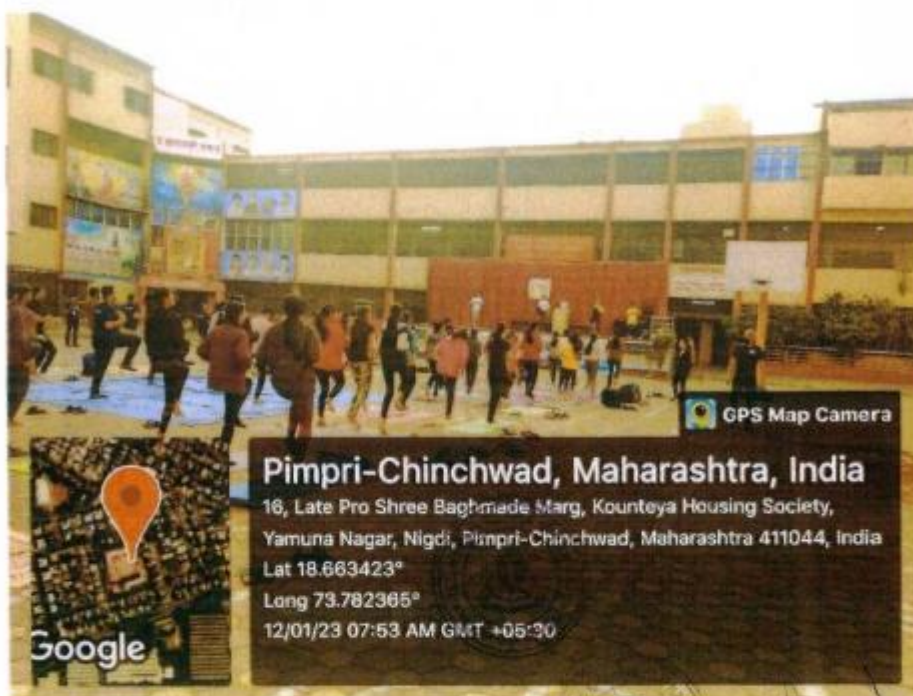




**Principal**  
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Pune - 411 044.

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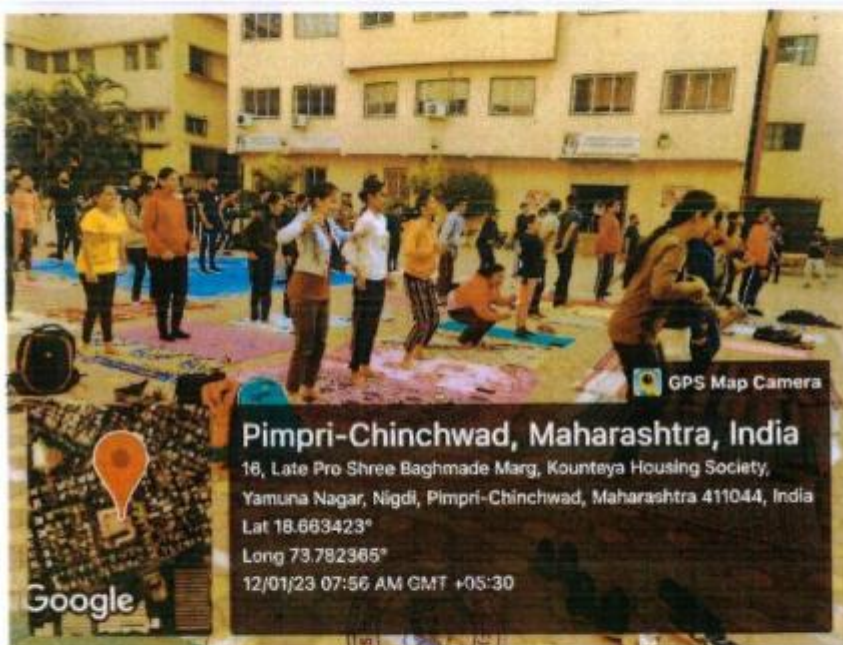
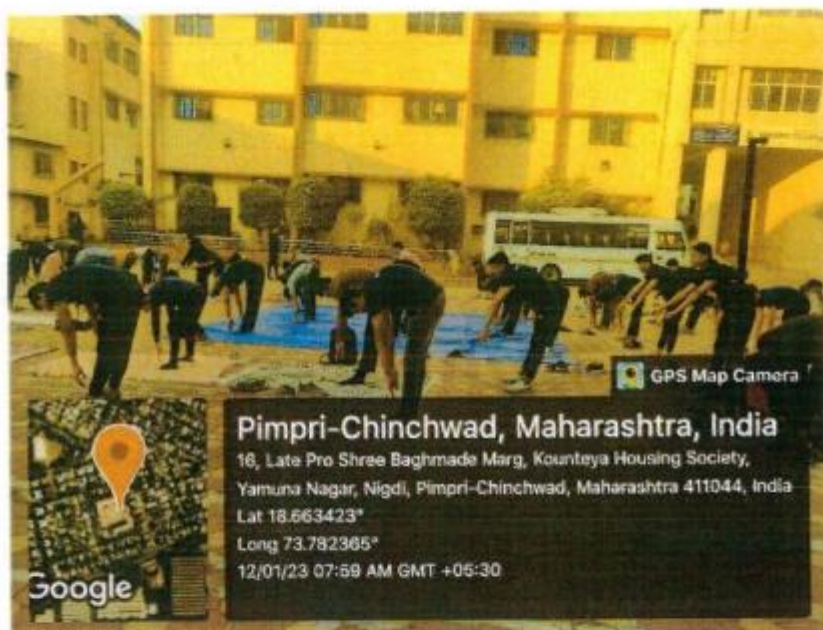
Photos of activity



Principal  
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*[Signature]*  
Principal

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

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Progressive Education Society's  
**MODERN COLLEGE OF PHARMACY**  
Yamunanagar, Nigdi, Pune -44



National Youth Day 12/01/2023

Surya Namaskar Activity

Sr. No.	Volunteer Name	Class	Signature
1	Vidya Chaudhari	T.Y.B.Pharm (A)	
2	Mansi Zangar	Final Year B.Pharm	
3	Mayuri More	Final yr. B.pharm	
4	Siddhi Chavan	T.Y.B.Pharm (A)	
5	Bhumika Bhole	T.Y. B.Pharm (A)	
6	Madhavi Vikharankar	Final year B.pharm	
7	Priya Shete	Final year B.pharm	
8	Adwait Tole	Final Year B.pharm	
9	Tanvi Madane	T.Y. Pharm D	
10	Tishuvi Musacim	T.Y.B.pharm (A)	
11	Tarun More	S.Y. B.Pharm (A)	
12	Rohit Bahad	T.Y.B.Pharm	
13	Nikhil Joshi	T.Y. PD	
14	Soham Bharambhe	T.Y.B.Pharm	
15	Thokal Sujata	5th yr Pharm D	
16	Satywan Kumbhar	5th yr Pharm D	
17	Ghatule Swapnil	5th yr Pharm D	
18	Jadhav Harshal	5th yr Pharm D	
19	Balure Sukshamta	5th yr Pharm D	
20	Sruuti Sonawane	2nd yr Pharm D	
21	Akhya Mehar	4th yr Pharm D	
22	Neha Neuse	3rd yr B.Pharm	
23	Kirti Savali	2nd Pharm d	
24	Nitesh Misal	Final year	
25	Devesh Chaudhari	Final year	
26	Sarvesh Yeale	Final year	
27	Neha Pandit	Final year	
28	Akash Puwar	T.Y.	
29	Shrinath Waghmare	Final Year	
30	Ashish Shinde	Final Year	
31	Sayali Shinde	T.Y.	
32	Vaishnavi More	T.Y.	

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Sr. No.	Volunteer Name	Class	Signature
33	Raviraj Shinde	Final year B Pharm	
34	Sonawane Nitonjan	Final year B Pharm	
35	Atharva Joshi	S-Y B Pharm (B)	
36	Mahesh Reddy	S-Y B Pharm (A)	
37	Purva M. Korde	T-Y B Pharm A	
38	Sakshi Patle		
39	Gauri Karande		
40	Shadab Shaikh	T-Y B Pharm B	
41	Sasapnali Shedge	T-Y B Pharm B	
42	Abhishek Shendurkar	T-Y B Pharm	
43	Sonika Shelar		
44	Aditi Bhorde		
45	Ankita Khaire		
46	Priya Patil		
47	Aditya Babhalekar	T-Y B Pharm	
48	Gaurav Kela		
49	Vishal Gangawane		
50	Omkar Jadhav		
51	Hrushikesh Nikam		
52	Pratham Pawar	T-Y B Pharm	
53	Nishant Misal	Final	
54	Devesh Chaudharni		
55	Anish Gaikwad		
56	Satish Yashraj Dhamale		
57	Utkarsha Patil		
58	Tejashree Rane		
59	Neha Pandit		
60	Rajesh Gutte		
61	Vishal Sarode		
62	Pronav Jadhav		
63	Vinayakashish Kulkarni	T-Y	
64	Bhargav Jagtap		
65	Vikas Kurulekar		
66	Aditya Kasar		
67	Shrinath Waghmare		
68	Sarvesh Kulkarni	T-Y	
69	Rathamesh Panzale		
70	Vikas Gore		
71	Sarvesh Kulkarni	Final year	
72	Vikas Kulkarni		
	Ganmuth Shinde		

Sarode

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MOU with Shri Jain Vidya Prasarak  
Mandal's, Rasiklal M. Dhariwal Institute  
of Pharmaceutical Education &  
Research, Chinchwad, Pune

Summary of activities under MOU

Sr no	Academic Year	Name of Activity	No of beneficiaries	Start Date	End Date
1.	2018-2019	1. Collaborative research	2	04-12-2018	12-03-2019
2.	2019-2020	1. Collaborative research	1	21-03-2020	13-06-2020
		2. Collaborative research	1	19-10-2018	29-04-2020
		3. Collaborative research	1	04-12-2018	12-03-2019
		4. Collaborative research	1	19-10-2018	29-04-2019
3.	2020-2021	1. Collaborative research	1	02-05-2020	04-08-2020
		2. Collaborative research	1	21-08-2020	08-10-2020
4	2021-2022	1. Collaborative research	1	30-12-2020	06-09-2021
		2. Collaborative research	1	11-02-2020	20-10-2021
		3. Collaborative research	1	11-10-2020	24-11-2021
		4. Collaborative research	1	11-01-2021	24-03-2021
		5. Collaborative research	1	11-10-2020	24-05-2021
		6. Collaborative research	1	17-01-2021	23-03-2021
		7. Collaborative research	1	11-01-2021	29-03-2021
		8. Collaborative research	1	15-01-2021	26-03-2021
5	2022-2023	1. Collaborative research	1	1-02-2023	10-04-2023
		2. Collaborative research	1	1-02-2023	10-04-2023
		3. Collaborative research	1	12-12-2022	4-05-2023
		4. Collaborative research	1	10-07-2022	4-04-2023

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॥ पञ्चमं भागं तस्यै दद्या ॥  
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Ph.: 020-27459191 Fax No. 020 - 27354633 | Email : rmdiper@gmail.com

Ref. No.: RMDIPER/ 2019-20/ MoU/37CA) Date : 28/08/2019

**ACADEMIC TIE-UP**



Progressive Education Society's Modern College of Pharmacy, Sector no-21, Yamunanagar, Nigdi, Pune- 411044, herein referred as the FIRST PARTY (which term unless the context otherwise requires shall include its representatives, successors of assignees of first party)

Shri Jain Vidya Prasarak Mandal's, Rasiklal M. Dhariwal Institute of Pharmaceutical Education & Research, Chinchwad Pune- 411019, herein after referred as the SECOND PARTY (which term unless the context otherwise requires shall include its representatives, successors of assignees of Second party)

**PREAMBLE**

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

It is a premium institute imparting education in Pharmaceutical Sciences as well as carrying out research in Pharmaceutical Science. It is recognized by the AICTE, PCI and permanently affiliated to University of Pune. The Institute is approved under Section 2(f) and 12(B) of the UGC Act, 1956. Recently, the institute is recognized as a Ph.D. research centre for Pharmaceutics and Pharmaceutical Chemistry by the University of Pune. Due to the dedicated and competent faculty, up-dated curriculum, innovative methods of instructions and excellent laboratory facilities, it has been attracting students from all over India and outside. The library is enriched with Chemical Abstracts (1907- 1986) and has subscribed to more than 3900 e-journals. The college has also subscribed to various national programs such as, National Program on Technology Enhanced Learning (NPTEL) and National Library and Information Services Infrastructure for Scholarly Content NLIST a Program at INFIBNET. The college library has maintained a well furnished language laboratory and audio-visual room.



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b) Shri Jain Vidya Prasarak Mandal's, Rasiklal M. Dhariwal Institute of Pharmaceutical Education & Research, Chinchwad, Pune is established in year 2014 with Bachelor of Pharmacy, under the aegis of Shri Jain Vidya Prasarak Mandal (SJVPM), to encourage, inspire and nurture young students by supporting them to work with new ideas and transform them into prototype in order to develop the students to become a successful leaders in their area of interest.

**GOALS OBJECTIVES**

The **FIRST PARTY** is engaged in teaching and research in Pharmaceutical Science.

The **SECOND PARTY** is engaged in teaching and research in Pharmaceutical Science,

The **FIRST PARTY** and the **SECOND PARTY** have agreed to work under following terms for mutual benefit **Lifetime** such as:

1. Usage of library books, study material, e-journals, etc, under the Inter-Library Loan (ILL) facility, by the students and faculty with prior permission of Head of the institutes of both the parties.
2. Usage of instrumental facilities as a part of collaborative research or hiring services by the students and faculty with prior permission of Head of the institutes of both the parties.
3. Both the parties may get involve in co-organizing guest lecture, seminar, conferences, workshops as well as share feedback on curriculum, co-curricular and extracurricular activities and expertises of faculty in both way.

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

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Pune-411 014

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॥ पढनें जगं सजी दुया ॥  
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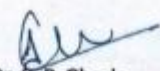
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3. The instrumental facilities will be shared at the premises of **BOTH THE PARTIES** as per the need of work mutually agreed upon.
4. Under Collaborative research projects any outcome in the form of Patent / publication(s) related to the work/study 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

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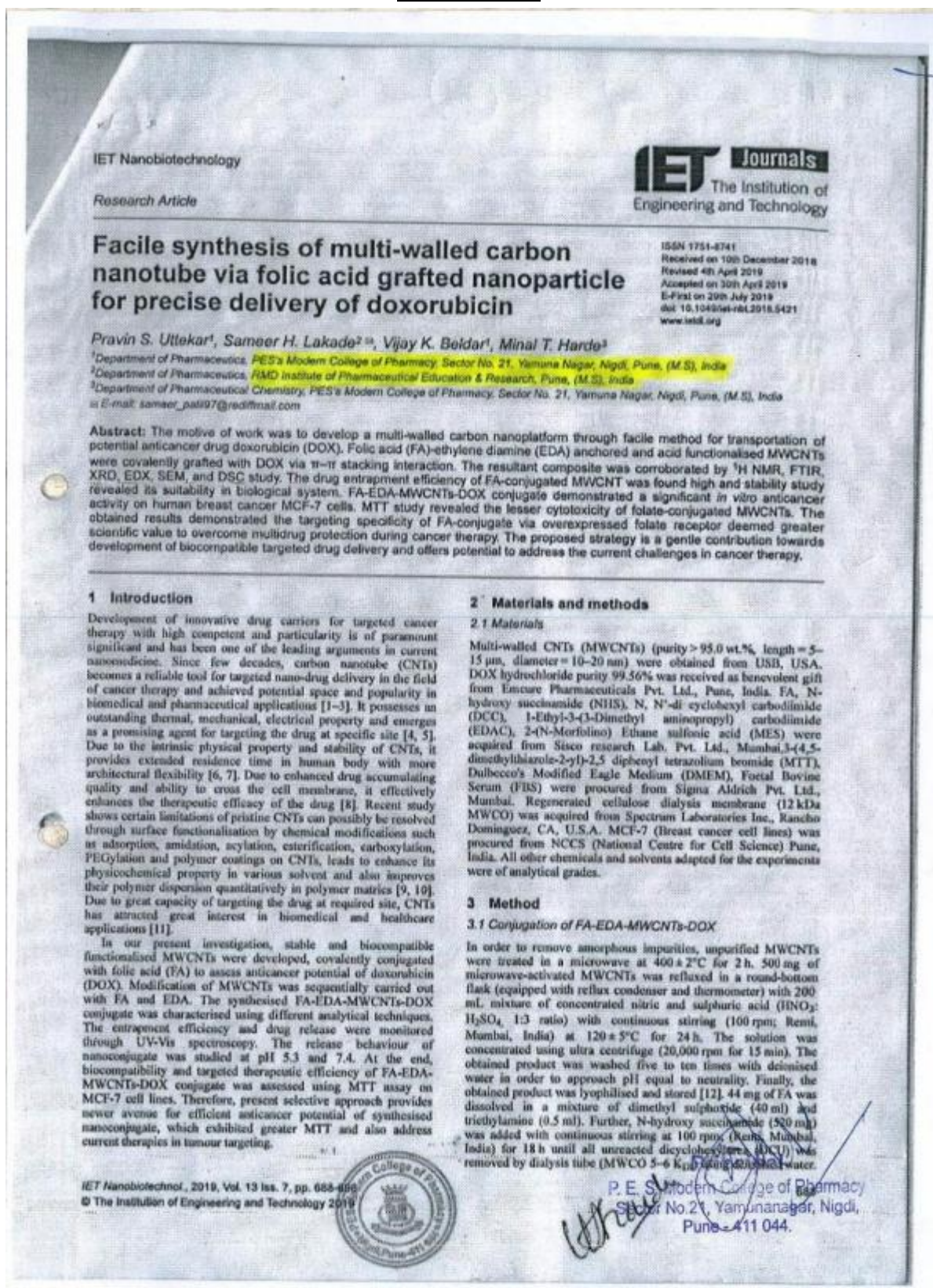
  
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## Research Article

### ULTRAVIOLET-SPECTROPHOTOMETRIC METHOD FOR SIMULTANEOUS ESTIMATION OF DAPAGLIFLOZIN PROPANEDIOL AND METFORMIN HYDROCHLORIDE

Minal Harde <sup>1\*</sup>, Sameer Lakade <sup>2</sup>, Valmik Gite <sup>3</sup>, Vinhal Chopade <sup>1</sup>, Anuja Khosme <sup>1</sup>

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DOI: 10.7897/2230-8407.1004130

#### ABSTRACT

Two simple, precise and economical UV spectrophotometric methods have been developed for the simultaneous estimation of Dapagliflozin and Metformin in bulk drug and marketed formulation. In simultaneous equation method, 223 nm ( $\lambda_{max}$  of DAPA) and 233 nm ( $\lambda_{max}$  of MET) analytical wavelengths were selected and analysis were carried out. In area under curve method, 220-229 nm ( $\lambda_{max}$  of DAPA) and 229-236 nm ( $\lambda_{max}$  of MET) wavelengths were selected and analysis were carried out. The method was validated using various parameters according to ICH guidelines. The low relative standard deviation values indicate good precision and high recovery values indicate accuracy of the proposed method. Assay results were in good agreement with label claim.

**Keywords:** Metformin HCl, Dapagliflozin Propanediol, Simultaneous estimation, Area under curve, Validation.

#### INTRODUCTION

Metformin Hydrochloride (MET) is a chemically 1, 1 dimethyl biguanide hydrochloride<sup>1</sup> (Fig. 1) member of the biguanide class of oral antidiabetic drug, improves glucose tolerance in type 2 diabetic patients, lowering both basal and postprandial plasma glucose. MET minimize hepatic glucose production, reduces intestinal absorption of glucose and improves Insulin sensitivity by enhancing peripheral glucose uptake and utilization<sup>2</sup>. It has a molecular formula  $C_4H_{12}ClN_5$  with molecular weight 165.625 g/mol and it is a white crystalline powder and freely soluble in water, ethanol, and methanol. I.P. recommends non-aqueous titration method for raw material and UV spectrometric method for tablets<sup>3,4</sup>.

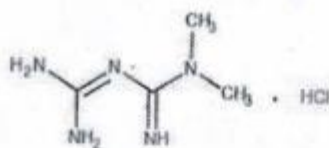


Figure 1: Metformin Hydrochloride

Dapagliflozin Propanediol (DAPA) is a chemically (1*s*)-1, 5-anhydro-1-C-[4-chloro-3-[(4-ethoxyphenyl) methyl] phenyl]-D-glucitol<sup>5,7</sup> (Fig. 2). Dapagliflozin propanediol blocking SGLT<sub>2</sub> transporter mechanism causes blood glucose to be eliminated through the urine and maintained the insulin concentration in blood, at least 90% of the glucose to be eliminated through urine<sup>8</sup>. It has a molecular formula  $C_{22}H_{27}ClO_6$  with molecular weight

408.873 g/mol. Dapagliflozin propanediol is a white to off white crystalline powder which is soluble in water, ethanol, methanol and dimethyl formamide<sup>5,10</sup>.

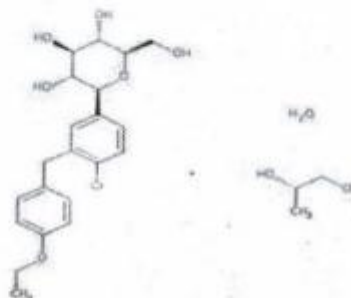


Figure 2: Dapagliflozin Propanediol

Literature survey reveals various methods for estimation of MET and DAPA in formulations, either alone or in combination with other drugs. Literature survey also revealed single RP-HPLC method for the binary mixture in API and tablet dosage form<sup>11</sup>. Three methods have been reported for estimation of the studied drugs in combine formulation by simultaneous equation method<sup>12</sup>, Q-Absorbance ratio method<sup>13</sup> and first derivative spectrophotometric method<sup>14</sup>. In present study, an effort has been successfully made to determine MET And DAPA in bulk and tablet dosage form by simultaneous equation method and area under curve method. The proposed method has been optimized as

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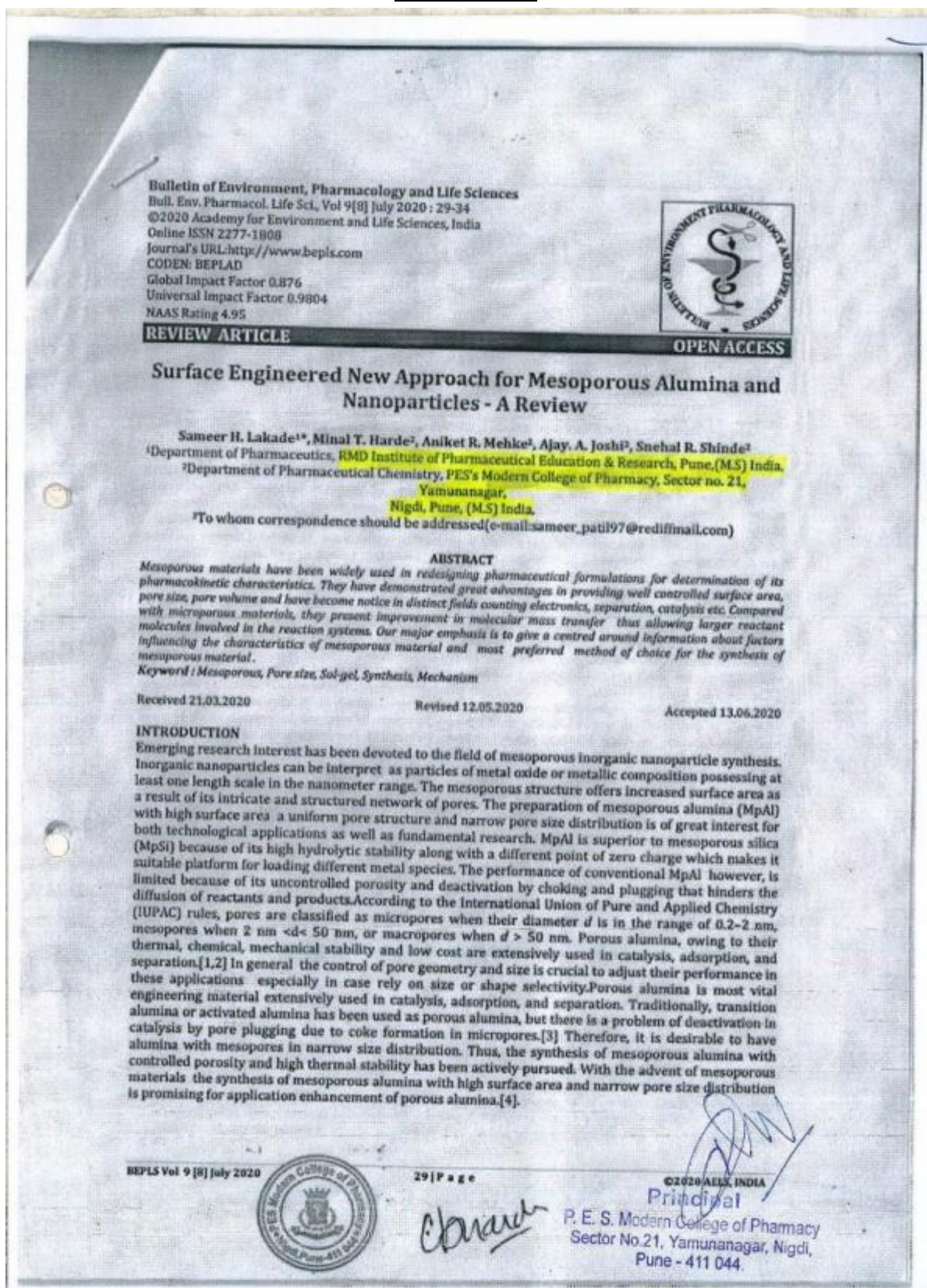


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2019-2020

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## Facile synthesis of mesoporous alumina using hexadecyltrimethylammonium bromide (HTAB) as template: simplified sol-gel approach

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**Abstract:** Herein the authors present the synthesis of surface functionalised mesoporous alumina (MeAl) for textural characterisation by a simplified sol-gel method obtained by using hexadecyltrimethylammonium bromide as a template. Etoricoxib (ETOX) was used as a model drug for the study. Alumina supported mesoporous material containing drug was characterised using instrumental technique namely Brunauer-Emmett-Teller surface area, Fourier transform-infrared, differential scanning calorimetry, transmission electron microscopy, X-ray diffraction, and field emission scanning electron microscopy. Diffusion study using a dialysis bag method used to check the release pattern of ETOX-loaded-MeAl. Results of characterisation study revealed the successful surface functionalisation of the drug on nanocomposite. The IC<sub>50</sub> value obtained from cell viability study demonstrated the non-toxic behaviour of synthesised drug-loaded mesoporous alumina up to the tested concentration range. The present work has demonstrated that synthesised MeAl showed excellent stability with an expanded surface area suitable for carrier material for drug delivery system.

### 1 Introduction

Since the last decade, drug-loaded nanostructured mesoporous alumina (MeAl) nanoparticles gained appreciable popularity and attention in nanotechnology [1, 2]. Owing to nano pore size, broad surface area, ordered porosity, easy functionalisation ability with organic compounds, excellent host-guest chemistry, favourable textural properties, and extraordinary catalytic capacity, the surface functionalisation stabilises the required amount of drug entity in the pores of porous alumina [3–5]. As a result, these unique properties emerged MeAl as a potential candidate in various aspects [6, 7]. In terms of novel drug delivery aspects, biocompatible MeAl nanoparticles have benefited to biomedical and pharmaceutical drug delivery system [8, 9]. International Union of Pure and Applied Chemistry (IUPAC) system has classified inorganic solid porous material as microporous, mesoporous, and macroporous [10, 11]. The conventional inorganic ceramic nanofibre alumina is a metastable polymorph with irregular pore geometry [12–14]. Thus, the untreated alumina possesses a problem of rapid deactivation in the catalytic process and thus unsuitable for drug loading and release of therapeutic agents in order to deliver in the physiological system [15–17]. To date, there is no work explored on Etoricoxib-loaded MeAl (E-MeAl). Therefore, an envisaged attempt was conducted to synthesise stable mesoporous alumina, an ultimate and versatile vehicle possesses inherent properties such as narrow pore size with long range ordering, uniform pore density, robust, mechanical and chemical stability and highly suitable as a vehicle for delivery of the selected model drug [18–23]. Here, a chemical sol-gel method approach utilised to synthesise alumina-based mesoporous material (pore size 2–50 nm) by special treatment and hydrolysis with organometallic compounds and inexpensive inorganic salt, as starting material [24–29]. The reagents used in synthesis react with host molecules to command the porosity and particle size of nanofibre [30, 31]. The alumina-based stable mesoporous material can be categorised either as cylindrical [two-dimensional (2D)] or cage type (3D) structure depending on their structure dimension

and geometry of pores. The 2D mesoporous material carries uniform pore size, provides applicability in catalysis reaction and as a drug delivery vehicle. The 3D geometry of mesoporous alumina could be applicable to control the mass transfer of therapeutic agents [32, 33].

In the present work, E-MeAl was successfully prepared. Hexadecyltrimethylammonium bromide (HTAB) was used as a template for synthesis of MeAl and functionalised with a therapeutic agent that supported to determine the selectivity of surface groups for coupling. The drug-surface interaction, surface functionalisation, composite surface morphology, and thermal behaviour were corroborated, respectively, using techniques such as Fourier transform infrared (FT-IR) spectroscopy (FT-IR), X-ray diffraction (XRD), scanning electron microscopy (SEM), transmission electron microscopy (TEM), electron dispersive X-ray (EDX) and differential scanning calorimetry (DSC) represents the successful loading of model drug Etoricoxib (ETOX). In addition, the drug release behaviour and cytotoxicity study were conducted. The drug release pattern and other analytical investigations of selected model drug represented the improved solubility and drug release. Cytotoxicity study investigated the cytotoxic behaviour of E-MeAl nanoparticles at various concentrations. The outcome of the present work demonstrates the significant potential of developed E-MeAl nanocomposite as a novel delivery technique for poorly water soluble drugs.

### 2 Materials and methods

#### 2.1 Materials

ETOX was received as a benevolent gift from Intas Pharma Pvt. Ltd, Ahmedabad. 3-aminopropyltriethoxysilane (APTES), 1-ethyl-3-(3-dimethylaminopropyl) carbodiimide (EDC) was purchased from Sigma Aldrich, Germany. All the reagents and solvents used were of analytical grade.



Signature of Sameer H. Lakade

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Principal

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## Synthesis of mesoporous alumina: an impact of surface chemistry on release behavior

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### ABSTRACT

The present investigation describes the successful synthesis of mesoporous alumina (MeAl) nanoparticles for controlled drug delivery via a soft template route have been adopted using hexadecyltrimethyl ammonium bromide as template and aluminum chloride as precursor. The obtained Langmuir type II isotherm for MeAl showed P/P<sub>0</sub> 0.1 at 10 cm<sup>3</sup>/g STP. The Brunauer-Emmett-Teller study revealed the formation of uniform morphology and mesoporous structure. The Fourier transform infrared spectroscopy study confirmed the presence of characteristic peaks of mesoporous alumina. Elemental analysis demonstrated the substantial Al and O peak supported with nanosized crumb with cluster by field emission scanning electron microscopy. The transmission electron microscopy indicates wormhole strikingly inter connected pore system assigned to functionalized MeAl. X-ray diffraction pattern suggests the formation of  $\gamma$ -Aluminum oxide. The particle size and surface charge of synthesized MeAl were successfully analyzed to assess the surface charge. The drug loading was confirmed by spectroscopic study with eloquent extension in drug release was found to be 74.44% attributed to release by control manner. In present study, synthesized MeAl holds an excellent compassionate impact on particle size and exterior chemistry for sustained release of model drug.

### KEYWORDS

Mesoporous; FESEM; adsorption; functionalization; particle characteristics

### 1. Introduction

Mesoporous Alumina (MeAl), a novel member of molecular sieve family kindled worldwide resurgence in the field of inorganic solid mesoporous materials. Porous material plays fundamental role in a variety of scientific and industrial operations such as adsorption, separation, host-guest encapsulation and catalysis etc (Liu et al. 2013). The architecture and remarkable properties of unique mesoporous structure of MeAl have fascinated ample attention in the former decades due to promising biomedical applications and rapid expansion in an area such as tissue engineering, DNA sequencing, photonics etc (Zhang et al. 2009; Blumen, Cheng, and Ramos 2007). In consonance to International Union of Pure and Applied Chemistry (IUPAC), pores are categorized as micropore, mesopore and macropore depends on their varying particle sizes (<2 nm, between 2 nm and 50 nm, > 50 nm) (Zdravkov et al. 2007). The nature of porous material may be inorganic, organic or possesses both properties with technological significance. The porous material represents capability to link with atoms, molecule or ions to load the solid, liquid or gaseous chemical entities (Zhao 2006). Based on above dominance, mesoporous material emerged as talented host for extensive range of

companion molecules like proteins (Vinu et al. 2004; Vinu, Murugesan and Hartmann 2004) drugs (Regi, Ramila and Del 2001) and smaller biological molecules (Anderson, Rosenholm and Areva 2004). Conventionally, High-surface-area transition alumina or activated alumina have been used as a porous alumina. However, the limited performance of MeAl identified may be due to deactivation during catalysis have been by pore plugging or coke formation in micropores. Therefore, the requirement was to synthesize alumina having ordered, uniform and tunable pore diameter. Thus, the successfully synthesized alumina showed remarkable properties such as controlled porosity, high thermal and mechanical stability, chemical inertness and tunable surface chemistry has made MeAl as excellent host for large drug loading and controlled release in an area of biomedicine (Kim et al. 2003; Ramli and Saleh 2008). The swift evaluation of sol-gel approach during former two decades has drive electric breakthrough in deliberate synthesis of porous materials. Sol-gel is an inexpensive method serves straightforward tailor substitute for traditional synthesis method. In comparison to traditional procedure, this lenient method provides outcome of mixed oxides with low cost and enhanced homogeneity. The sol-gel method produced

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Color version of one or more of the figures in this article can be found online at [www.tandfonline.com/upt](http://www.tandfonline.com/upt).  
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## ORIGINAL ARTICLE

### Validated inherent stability-indicating HPLC-DAD method for simultaneous determination of Pamabrom and Paracetamol in marketed formulation

Minal T. Harde,<sup>\*1</sup>, Sameer H. Lakade<sup>2</sup>, Aniket R. Mekhe<sup>1</sup>, Sneha R. Shinde<sup>1</sup>, Pragati D. More<sup>1</sup>,  
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## ABSTRACT

A simple, rapid, precise and accurate isocratic reversed-phase stability-indicating HPLC with diode array detection method was developed and validated for the simultaneous determination of Pamabrom (PBM) and Paracetamol (PCM) in commercial tablets. PBM and PCM were degraded together under different stress test conditions prescribed by International Conference on Harmonization. The samples generated were used to develop a stability-indicating high performance liquid chromatographic (HPLC) method for both the drugs. The drugs were well separated from degradation products using a reversed-phase C 18 (4.6 x 250mm, 5µm particle size) column with isocratic elution of the mobile phase comprising of water: methanol: acetonitrile, in the ratio of 70:20:10 v/v/v. The mobile phase flow rate was maintained at 1.0 ml/min with the detection wavelength used for quantification of PBM and PCM was 279 nm. The drugs were subjected to different stress conditions like neutral, acidic and alkaline hydrolysis, oxidation, photolysis and thermal degradation. Degradation products produced was a result of stress studies did not interfered with the detection of PBM and PCM, thus the assay can thus be considered stability-indicating. Analytical performance of the proposed HPLC procedure was thoroughly validated with respect to system suitability, linearity, range, precision, accuracy, specificity, robustness, detection and quantification limits. The developed procedure is also applicable to the determination of instability of the drugs in commercial formulations.

Keywords: Pamabrom, Paracetamol, Stability indicating assay, forced degradation, HPLC, Diode array detection.

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## INTRODUCTION

Pamabrom (PBM) is chemically, 1:1 mixture of 8-Bromo-3, 7-dihydro-1, 3-dimethyl-1H-purine-2, 6-dione with 2-amino-2-methyl-1-propanol (Fig.1a). It has a diuretic property [1-2]. It is official in US pharmacopoeia. It is assayed by liquid chromatography as per USP [3]. PBM, a xanthine derivative, is a safe and effective diuretic in relieving the water-accumulation symptoms of water-weight gain, bloating, swelling, and/or full feeling associated with the premenstrual and menstrual periods. It works, as all diuretics, by pulling excessive water from throughout the body. Paracetamol (PCM) chemically it is N-(4-hydroxyphenyl) acetamide (Fig. 1b). PCM is official in IP, BP, USP and JP [4-7]. It is classified as a mild analgesic and having antipyretic properties. It is much safer than aspirin in terms of gastric irritation, ulceration and bleeding.



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ORIGINAL ARTICLE

OPEN ACCESS

## Design and Development of Novel Controlled-Release Azilsartan Medoxomil Loaded Provesicular Powder

Pande V. Vishal,<sup>1</sup> Sameer H. Lakade,<sup>2</sup> Ghule D. Niteen<sup>1</sup>, Pote K. Ajinkya<sup>1</sup>, Minal T. Harde,<sup>3</sup> Jalindar R. Bhutekar<sup>3</sup>

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### ABSTRACT

The present study involved Design and Development of novel controlled-release Azilsartan medoxomil loaded provesicular powder (Azil). The provesicular powder of Azilsartan Medoxomil was prepared with a carrier, Cholesterol, span 60 by rotary flask evaporation technique & was evaluated for various physicochemical properties such as solubility, drug entrapment efficiency, surface morphology and analysis were carried out using Fourier transform infrared spectroscopy, Differential scanning calorimetry and powder X-ray diffraction. The optimized Formulation batch F6 was selected based on 100% cumulative drug release in 9 hours & showed 99.95% CDR in 9 hours while drug entrapment efficiency was 93.00%. The mechanism of the drug release rate kinetics of the Batch F6 followed the Korsmeyer-Peppas. Thus, it can be concluded that Span 60 based provesicular powder, enhanced the solubility 20 folds while Cholesterol and Maltodextrin proved an effective carrier for developing controlled release provesicular powder.

**Keywords:** Azilsartan medoxomil, Span 60, Provesicular powder, Solubility.

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### INTRODUCTION

A number of novel drug delivery systems using colloidal particulate carriers had emerged, encompassing various routes of administration, to achieve controlled and targeted drug delivery. Colloidal particulate carriers such as liposomes [1] or niosomes [2] have distinct advantages over conventional dosage forms. Liposomes consist mainly of phospholipids, prepared from double-chain phospholipids (neutral or charged) [3]. Niosomes are analogous to liposomes and also serve as promising drug carriers [4]. Niosomes offer an alternative to phospholipid vesicles. The hydrated mixtures of cholesterol and non-ionic surfactants give rise to these lipid vesicles [5]. These carriers can act as drug reservoirs, and modification of their composition or surface can adjust the drug release rate and/or the affinity for the target site. As a drug carrier, encapsulating a sufficient amount of the drug is one of the most desirable properties for niosomes usage [6-7]. The uniqueness of these lipid vesicles relies on their ability to carry hydrophilic drugs by encapsulation and hydrophobic drugs by partitioning within their lipid domains [8]. Niosomes behave like liposomes in vivo as they are able to prolong the circulation of encapsulated drug altering its organ distribution and metabolic stability [9] or to increase the contact time of drug with the applied tissue in topical preparations [10]. Niosomes proved to be an alternate to liposomes because they pose less problems related to chemical stability and are low cost substitutes. However, niosome dispersions may exhibit physical instability problems during storage like vesicle aggregation, fusion, leaking, or hydrolysis of encapsulated drugs, which could affect the shelf life of the dispersion [11]. Pro-niosomes are liquid crystalline compact niosomal hybrid which could be converted into niosomes upon hydration with water. Niosomes are water-soluble carrier particles, and these are dried to form niosomal dispersion on brief agitation in hot aqueous media. The dehydrated product is pro-niosome. The

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Research Article

# One step synthesis approach of mesoporous silica packed with graphene oxide nanosheet: Characterisation and drug release aspects

Prashant K. Deshmukh, Sameer H. Lakade, Umesh R. Jaiswal, Minal T. Harde & Chhesh P. More

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## RESEARCH

## Open Access



# A stability-indicating HPLC method for estimation of doxylamine succinate in tablets and characterization of its major alkaline stress degradation product

Minail T. Harde<sup>1</sup> and Sameer H. Lakade<sup>2\*</sup>**Abstract**

**Background:** A new selective rapid RP-HPLC-DAD method was developed and evaluated for the quantification of doxylamine succinate (DOX) in bulk and pharmaceutical dosage form. The separation of DOX at different degradation conditions was achieved with a Kromasil C<sub>18</sub> (4.6 × 250 mm, 5-μm particle size). The mobile phase employed comprised of phosphate buffer (pH 3.5) and methanol in the ratio of 45:55 v/v. The flow rate was kept maintained at 1.0 ml/min and eluents were detected at 262 nm. The drug was subjected to different stress conditions like acid, base, neutral, hydrolysis, oxidation, photolysis, and thermal degradation. The analytical performance of the proposed HPLC method was thoroughly validated in terms of linearity, precision, accuracy, specificity, robustness, detection, and quantification limits.

**Results:** The method produces linear responses that were found in the range of 10–50 μg/ml. The regression equation was found to be  $Y = 42984x - 10260$ . The correlation coefficient was found to be 0.9998. The LOD and LOQ for DOX were found to be 0.96 and 3.28 μg/ml, respectively. The short-term solution stability of DOX (100 μg/ml) was evaluated under (25 ± 2°C) storage condition and found to be 98.82 to 101%. The percentage recovery for DOX was in the range of 99.73 to 99.91%. The obtained results of the stress degradation study and peak purity data indicate the potential of the developed HPLC method to resolve degradants from DOX peak. The major alkaline degradation product was isolated using preparative chromatographic technique and extensive FT-IR was performed to ascertain the structure of the alkaline degradant.

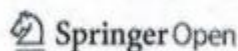
**Conclusion:** It was concluded that the proposed method was simple, sensitive, accurate, cost-effective, and less time-consuming for the quantification of DOX. This method was successfully utilized for stability testing of commercially available DOX tablets. Hence, the proposed method can be applied for routine quality control of DOX in bulk drug as well as in marketed formulations.

**Keywords:** Doxylamine succinate, Stress study, RP-HPLC, Diode array detection, ICH

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ORIGINAL RESEARCH  
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## Quality risk assessment and DoE – Practiced validated stability-indicating chromatographic method for quantification of Rivaroxaban in bulk and tablet dosage form

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### ABSTRACT

A systematic DoE and Analytical Quality by Design (AQbD) approach was utilized for the development and validation of a novel stability indicating high-performance thin-layer chromatographic (HPTLC) method for Rivaroxaban (RBN) estimation in bulk and marketed formulation. A D-optimal design was used to screen the effect of solvents, volume of solvents, time from spotting to development and time for development to scanning. ANOVA results and Pareto chart revealed that toluene, methanol, water and saturation time had an impact on retention time. The critical method and material attributes were further screened by Box-Behnken design (BBD) to achieve optimal chromatographic condition. A stress degradation study was carried out and structure of major alkaline degradant was elaborated. According to the design space, a control strategy was used with toluene: methanol: water (6:2:2) and the saturation time was 15 min. A retention factor (RF) of  $0.59 \pm 0.05$  was achieved for RBN using chromatographic plate precoated with silica gel at detection wavelength 282 nm with optimized conditions. The linear calibration curve was achieved in the concentration range of 200–1,200 ng/band with  $r^2 > 0.998$  suggesting good coordination between analyte concentration and peak areas. The quadratic model was demonstrated as the best fit model and no interaction was noted between CMA's. The optimized HPTLC method was validated critically as stated in International Conference on Harmonization (ICH) Q2 (R1) guideline and implemented successfully for stress degradation study of RBN. The developed HPTLC method obtained through AQbD application was potentially able to resolve all degradants of RBN achieved through forced degradation study. The obtained results demonstrate that a scientific AQbD approach implementation in HPTLC method development and stress degradation study drastically minimizes the number of trials in experiments, ultimately time and cost of analysis could be minimized.

### KEYWORDS

analytical quality by design (AQbD), stability study, Rivaroxaban, validation, high performance thin layer chromatography (HPTLC)

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ORIGINAL ARTICLE

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## Validated Inherent Stability Indicating Reversed Phase HPLC-DAD Method for Simultaneous Determination of Tolperisone Hydrochloride And Diclofenac Sodium in Marketed Formulation

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### ABSTRACT

The new method for simultaneous establishment of tolperisone hydrochloride (TPS) and diclofenac sodium (DLF) has been evolved by reverse phase HPLC from combination drug product. The separation achieved on C18 (4.6 x 250mm, 5µm particle size) column with isocratic elution of mobile phase comprising methanol:water, in the ratio of 80:20 v/v (pH 3.0 adjusted with OPA). The mobile phase flow rate was maintained at 1.0 ml/min and the analyte concentration was measured at detection wavelength 273 nm. The calibration curves were linear over the concentration range of 30-150 µg/ml and 10-50 µg/ml for TPS (n = 3) and DLF (n = 3), respectively. The TPS and DLF were exposed to different stress condition like thermal, photolytic, hydrolytic, and oxidative stress conditions and samples were analyzed by proposed method. The stressed sample demonstrated the specificity of assay method in presence of degradant products with no interferences were observed from its stress degradation products. The detection limits were found to be 0.99 µg/ml and 0.41 µg/ml and quantification limits were found to be 3.42 µg/ml and 1.53 µg/ml. Analytical performance of the proposed HPLC procedure was thoroughly validated in terms of linearity, precision, accuracy, specificity, robustness, detection and quantification limits. The proposed method was suitable for quantitative determination and stability study of TPS and DLF in commercial tablets.

**Key words:** Tolperisone hydrochloride; Diclofenac sodium; Stability indicating assay; Forced degradation; HPLC; Diode array detection

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### INTRODUCTION

Stability testing forms an important part of drug product process development. The purpose of stability testing is to provide evidence on how the quality of a drug substance or drug product varies with time under the influence of a variety of environmental factors such as temperature, humidity and light, enables recommendation of storage conditions, retest periods, and shelf lives to be established. The two main aspects of drug product that play an important role in shelflife determination are assay of active drug, and degradants generated, during the stability study. The assay of drug product stability test sample needs to be determined using stability indicating method.<sup>[1]</sup> In recent times, there is an increasing tendency towards the development of stability-indicating assays, using the approach of stress testing as incorporated in the International Conference on Harmonization (ICH) guideline. Even this approach is being extended to drug combinations, to allow accurate and precise quantitation of multiple drugs, their degradation, and interaction of products. Tolperisone hydrochloride (TPS) is chemically designated as (R, S) 2-methyl-1-(4-methyl phenyl)-3-(1-piperidyl)propan-1-one (Fig.1). TPS, an antispasmodic agent and a central muscle relaxant suitable for cerebral arteriosclerosis and for treating extrapyramidal movement disorders.



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European Journal of Pharmacology

Volume 898, 5 May 2021, 173992



# Protocatechuic acid attenuates chronic unpredictable mild stress induced-behavioral and biochemical alterations in mice

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## Abstract

Amelioration of oxidative stress via promoting the endogenous antioxidant system and enhancement of monoamines in brain were the important underlying antidepressant mechanism of protocatechuic acid (PCA). The aim of the present study is to explore the potential antidepressant mechanism(s) PCA in chronic unpredictable mild stress (CUMS) mice. Mice were subjected to CUMS protocol for 4 weeks, and administered with PCA (100 and 200mg/kg) and fluoxetine (20mg/kg) for 24 days (from day 8th to 31st). Behavioral (sucrose preference, immobility time, exploratory behavior), and biochemical alterations such as serum corticosterone, brain derived neurotrophic factor (BDNF), inflammatory cytokines, tumor necrosis factor- $\alpha$  (TNF- $\alpha$ ), interleukin-6 (IL-6), and antioxidants parameters were investigated. Experimental findings revealed that CUMS subjected mice exhibited significant impairment in behavioral alterations, such as increased immobility time, impaired preference to the sucrose solution, BDNF levels and, serum corticosterone, cytokines,



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ORIGINAL ARTICLE

OPEN ACCESS

## Design and Development of Lornoxicam Impregnated Dry Powder Based Liquid Crystals

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### ABSTRACT

The objective of the present work was to fabricate dry powder precursors using GMO, which upon hydration forms cubic phase of lyotropic liquid crystal and it can be used for the fabrication of oral solid dosage forms. Dry powder precursor was evaluated for percentage yield, drug content, Fold scope microscopy, scanning electron microscopy, X-ray diffraction, viscosity and in vitro release behavior. The dry powder precursor was obtained by spray-drying method, with GMO, Lornoxicam and magnesium trisilicate. The drug content for optimized batch was 92% and release kinetic was 96% (up to 12 hrs). Surface morphology studies indicated the irregular shape of particles while polarizing light microscopy confirms that cubic phase forms upon hydration of powder precursor. The dry powder precursor of cubic phase was prepared in which drug release was entirely governed by the mesophases formed.

**Keywords:** Liquid Crystalline powder precursor, Lornoxicam, Lyotropic, Oral drug delivery system.

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### INTRODUCTION

Glyceryl monooleate (GMO), an amphiphilic lipid self-associate to form sequential liquid crystalline mesophases, viz., lamellar, cubic and hexagonal when placed in an aqueous media [1,2]. Being nontoxic, biodegradable and biocompatible it has found its utility in various delivery systems and routes of administrations. [3] Delivery system based on partially hydrated lamellar phase [4,5] hydrated cubic gel [6] cubic phase dispersions and matrix have been explored by many researchers. Cubic phase coexists in equilibrium with the excess water and being highly viscous has gained much attention for sustained release. [7,8] The sustained release may be due to slow drug diffusion or increased residence time in its solubilized form. Further, its isotropic nature, relative insensitivity to salts and solvents, robustness and resistance to physical degradation make it most preferred candidate for sustained drug delivery. However, design and development of cubic phase based palatable solid dosage form of GMO has limitations due to its intrinsic properties like stickiness and stiffness. Preparation of dry powder precursors, which can be quickly transformed into cubic phase *in situ*, will promote industrial application of the system. Recently, developed spray dried dry powder cubosomes by encapsulating monoolein using ternary (starch monoolein-water) and quaternary (dextran-monoolein-ethanol-water) systems. [9,10]

### MATERIAL AND METHODS

#### Materials

Glyceryl mono-oleate (MONOGL- 0100) was generous gift from Mohini Organics Pvt Ltd. Mumbai. Magnesium trisilicate (MTS) was gifted from Merck chemicals Pvt Ltd. Nashik (India). Lornoxicam was obtained as gift sample from Glenmark pharmaceuticals Ltd. Nashik (India). All other chemicals used were of analytical grade.

#### Preparation of powder precursor

Initially Glyceryl mono-oleate (GMO) was dissolved in sufficient amount of isopropyl alcohol and then MTS and Lornoxicam were dispersed in it. Total solid content of dispersion of all batches was 5.0%. The dispersion was further subjected to spray-drying (SPD-111, Technosearch Instruments, Mumbai).

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ORIGINAL ARTICLE

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## ICH Guideline in Practice: Validated Inherent Stability-Indicating HPLC-Dad Method for Simultaneous Determination of Eperisone Hydrochloride and Diclofenac Sodium in Marketed Formulation

Minal T. Harde,<sup>1\*</sup> Sameer H. Lakade,<sup>2,3</sup> Neha K. Kakade,<sup>1</sup> Laxmi R. Chaudhary,<sup>1</sup> Snehal V. Gosavi,<sup>1</sup>  
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### ABSTRACT

A simple, rapid, precise and accurate isocratic reversed-phase stability-indicating HPLC with diode array detection method was developed and validated for the simultaneous determination of Eperisone hydrochloride (EPS) and Diclofenac sodium (DLF) in commercial capsules. EPS and DLF were degraded together under different stress test conditions prescribed by International Conference on Harmonization. The samples generated were used to develop a stability-indicating high performance liquid chromatographic (HPLC) method for both the drugs. The drugs were well separated from degradation products using a reversed-phase C<sub>18</sub> (4.6 x 250mm, 5µm particle size) column with isocratic elution of the mobile phase comprising of acetonitrile : water, in the ratio of 90:10 v/v (pH 3.5 adjusted with OPA). The mobile phase flow rate was maintained at 0.9 ml/min with the detection wavelength used for quantification of EPS and DLF was 276 nm. The drugs were subjected to different stress conditions like neutral, acidic and alkaline hydrolysis, oxidation, photolysis and thermal degradation. Degradation products produced was a result of stress studies did not interfere with the detection of EPS and DLF, thus the assay can thus be considered stability-indicating. Analytical performance of the proposed HPLC procedure was thoroughly validated with respect to system suitability, linearity, range, precision, accuracy, specificity, robustness, detection and quantification limits. The developed procedure is also applicable to the determination of instability of the drugs in commercial formulations.

**Keywords:** Eperisone hydrochloride, Diclofenac sodium, Stability indicating assay, forced degradation, HPLC, Diode array detection.

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### INTRODUCTION

Eperisone hydrochloride (EPS) is chemically, 4-ethyl-2-methyl-3-piperidinopropiophenone hydrochloride. (Fig.1). [1]. It is official in Japanese pharmacopoeia (JP). It is estimated by potentiometric method as per JP.[2] EPS, an antispasmodic agent and a centrally acting muscle relaxant acts by relaxing both skeletal muscle and vascular smooth muscle, and demonstrates a variety of effect such as reduction of myotonia, improvement of circulation, and suppression of the pain reflex.

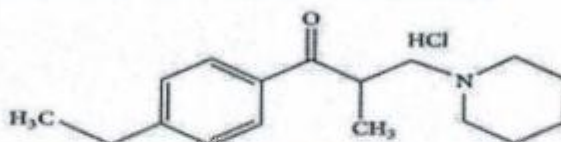


Fig. 1. Chemical Structure of Eperisone Hydrochloride (EPS)

The drug also improves dizziness and tinnitus associated with cerebrovascular disorders or cervical spondylosis. Diclofenac sodium (DLF) chemically, [2-(2,6-dichlorophenylamino) benzene acetic acid sodium salt (Fig. 2). DLF is official in IP, BP and USP. IP [3] & BP [4] describes liquid chromatography method & USP [5] describes the potentiometric method for estimation of DLF. It is a non-steroidal anti-inflammatory agent. It is used to treat pain or inflammation caused by arthritis or



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ORIGINAL ARTICLE

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## Study and Optimization of Effect of Critical Formulation Components in The Manufacture of Multiparticulate Oral Controlled Release Drug Delivery System

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### ABSTRACT

In recent years, there are so many controlled oral drug delivery system in that one of the advanced technique is pelletization. Propranolol hydrochloride which is an antihypertensive drug was formulated in the form of multiparticulate system. Wurster process was used in which pellets were designed with different material of construction of core pellets, binders and plasticizer/polymer ratio. The propranolol hydrochloride pellets were composed of water insoluble ethyl cellulose and water soluble hydroxyl propylmethyl cellulose polymer with PEG400 as a plasticizer for extended release action. The objective of the study was to identify the effect of critical variables related to formulation components on the release profile of extended release pellets so as to deliver a constant, predetermined amount of drug over 24 hr. Prepared pellets were evaluated for micromeritic properties, content uniformity and In-vitro drug release study. Dissolution studies revealed that the formulations containing sugar pellets showed faster release than microcrystalline cellulose pellets and MCC pellets (150-200µm) showed greater release than sugar pellets (500-600µm) and MCC pellets (300-500µm). PEG400- HPMC ratio of 2:1 and 3:1 showed slower release as compared with 1:1. Drug release decreased on increasing polymeric weight gain. There were not much difference found in release when HPMC (5cps), PVPK30 and PVPK90 used as a binder. Ethyl cellulose of 50cps retarded the release of drug as compared with 10cps. Therefore MCC pellets (150-200µm), HPMC as a binder, ethyl cellulose (10cps) and 1:1 ratio of PEG400 and HPMC were considered as an optimized components.

**Keywords:** Pellets, Wursters process, Extended release polymers, Plasticizer, In-vitro dissolution studies.

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### INTRODUCTION

Sustained release products have acquired extraordinary attention in recent years. Sustained (or continuous) release of a drug involves polymers that release drug at a controlled rate due to diffusion out of the polymer or by degradation of the polymer over time. Multi-particulate drug delivery systems are mainly oral dosage forms consisting of a multiplicity of small discrete units, each exhibiting some desired characteristics. The purpose of designing multiparticulate dosage form is to develop a reliable formulation that has all advantages of a single unit formulations. Multiparticulates can be represented as novel drug delivery system in the form of intestinal protective drug absorption system (IPDAS), Spheroidal oral drug absorption systems (SODAS), Programmable oral drug absorption system (PRODAS), Diffucaps, Minitabs, Pelletised tablet, Multiparticulate drug dispersing shuttle, Macrocap, Orbexa, Flashtab, InnoHerb.[1] There are some approaches to multiparticulate formulation such as Floating- pulsatile delivery system, colonic delivery and mucoadhesive delivery system. These systems could facily separate into sustained release units throughout the GIT after ingestion. One of the multiple unit dosage form is the pellets, which reduces variations in gastric emptying time and transit time, is less prone to dose dumping, and provides less irritation from high local absorption of drug. The multiple unit dosage forms are preparations that consist of several mini reservoirs. Pellets are spherical agglomerated powders range in the size between 0.5 to 1.5mm, depending on the processing technique having narrow size distribution.[2] Pelletization techniques widely used in pharmaceutical industries are direct pelletization, extrusion spheronization and layering. The fluid bed process often is used for coating and powdered layering (pelletizing) applications. The bottom spray (wurster) fluid bed method is very

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2022-2023

Development and validation of chromatographic method for analysis of some polycyclic hydrocarbons in soybean oil

Section A-Research paper

ISSN 2063-5346

**DEVELOPMENT AND VALIDATION OF CHROMATOGRAPHIC METHOD FOR ANALYSIS OF SOME POLYCYCLIC HYDROCARBONS IN SOYBEAN OIL**

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Accepted: 10.04.2023

**Abstract**

Some polycyclic hydrocarbons (PHs) present in almost all edible oils are carcinogenic, teratogenic, neurotoxic and mutagenic at certain levels. There are total 16 PHs which are present in various edible oils. Soybean oil is one of most widely and routinely used for cooking food by all over population. Hence the detection of PHs levels in various soybean oil brands available in market is necessary. Many analytical methods are available for the same but these methods are time consuming and secondly quantity of organic solvents required is also higher. For example HPLC can be used for analysis of PHs in edible oils but it takes more time for analysis. Hence a novel method is developed using supercritical fluid chromatography for analysis of some PHs in soybean oil which reduces time by 5 times as compared to normal HPLC method and also requires less amount of organic solvents for analysis because of the lower viscosity and higher diffusivity in the mobile phases of SFC. The method is validated using various validation parameters and statistically proved using ANOVA.

**KEY WORDS-** Polycyclic hydrocarbons, Soybean oil, HPLC, SFC, Cancer.<sup>1</sup>Shardabai Pawar Institute of Pharmaceutical Sciences and Research, Baramati, Pune, India. 413115<sup>2</sup>K. K. Wagh College of Pharmacy, Nashik, India. 422006<sup>3</sup>PES's Modern College of Pharmacy, Pune, India. 411044.<sup>4</sup>Jijamata College of Pharmacy, Sarati, Indapur, Pune, India. 413103.<sup>5</sup>Nandakumar Shinde College of Pharmacy, Vaijapur, Aurangabad, India. 413701<sup>6</sup>Siddhi's Institute of Pharmacy, Nandgaon, Murbad, Thane, India. 421401<sup>7</sup>Padmini College of Pharmacy, Diganchi, Sangli, India. 415315<sup>8</sup>Shardabai Pawar Women's Science College, Baramati, Pune, India. 413115<sup>9</sup>Institute of Pharmaceutical Sciences and Research for Girls, Bhigwan, Pune, India. 413130<sup>10</sup>Samarth Institute of Pharmacy, Belhe, Pune, India. 412410<sup>11</sup>Vishal Institute of Pharmaceutical Education & Research, Junnar, India. 412411<sup>12</sup>Rasiklal Dhariwal Institute of Pharmaceutical Education & Research, Pune, India. 411019<sup>13</sup>LSDP College of Pharmacy, Mandavgan Pharata, Shirur, Pune, India. 412211<sup>14</sup>Trinity College of Pharmacy, Shirur, India. 411048<sup>15</sup>Delight College of Pharmacy, Koregaon Bhima, Pune, India. 4112216

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Development and validation of RP-HPLC method for assay of Fluticasone furoate from nasal spray formulation

Section A-Research paper

ISSN 2063-5346

## DEVELOPMENT AND VALIDATION OF RP-HPLC METHOD FOR ASSAY OF FLUTICASONE FUROATE FROM NASAL SPRAY FORMULATION



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### Abstract

The literature search reveals that, several HPLC methods for the determination of Fluticasone furoate in combination with other drugs are reported with long run time, high solvent consumption or with less available instrument as compared with HPLC. There is no any reported HPLC method for individual assay of Fluticasone furoate from nasal spray formulation. So the purpose of present experimental work is to develop a rapid, simple, precise, accurate, specific, and sensitive high performance liquid chromatographic method for assay of Fluticasone furoate from nasal spray formulation. The desired chromatographic separation was achieved on the Inertsil ODS-3V 250 x 4.6 mm, 5 $\mu$  column, using isocratic elution at 240 nm wavelength. The optimized mobile phase constituted of purified water and acetonitrile in the ratio of 20:80 % v/v delivered at the flow rate 1 ml/min with isocratic elution. The retention time of fluticasone furoate was 5 min. The method was validated according to International conference of harmonization guidelines in terms of accuracy, precision, specificity, robustness, linearity and other aspects of analytical validation. Linearity was established in the concentration range of 27.5 to 82.5 ppm ( $r^2=1.000$ ). The recoveries obtained were 99.4 -100.5 %. Similarly the % RSD value for precision was also found to be within the acceptable limit. Developed method was simple and convenient which could be successfully applied for the routine analysis.

**KEYWORD:** Fluticasone furoate, Corticosteroid, Asthma, Allergic Rhinitis, RP-HPLC, Validation, ICH guidelines.

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## Original Article

## Anthelmintic Potential Of Aqueous And Organic Extract Of Seeds Of *Samanea saman* (Merr)

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### Abstract

The aim of this research study was to evaluate aqueous and organic extracts of seeds of *Samanea saman* (Merr) for their anthelmintic activity using Indian adult earthworm *Pheretima posthuma*. Different concentrations of aqueous and organic extract ranging from 10 to 100 mg/ml were made and tested on said earthworm. These extracts were tested for bioassays which include time for paralysis and time for death of the worms. Aqueous as well as organic extract of seeds does not exhibited strong anthelmintic activity at concentration of 100 mg/ml. Lower concentrations also did not produced significant anthelmintic activity. The standard reference drug which is used for comparing anthelmintic activity of these extracts was piperazine citrate at concentration of 10 mg/ml. Both aqueous and organic extracts of seeds of *Samanea saman* were evaluated and showed no potential anthelmintic activity.

**KEYWORDS** Anthelmintic activity, Extraction, Piperazine citrate, *Samanea saman*, *Pheretima posthuma*.

### INTRODUCTION:

Helminthiasis is a worm infestation of humans and other animals even life stock and crops affecting health and food production respectively and has impact on global economic factor.<sup>1</sup> The worms which causes helminthiasis are called as helminths and the drugs which are used for treating helminthiasis are nothing but anthelmintics.<sup>2</sup> There are various types of worms such as hook worms, fluke worms, round worms, tape worms which causes helminthiasis. The names are given according to their shapes. The major organs which get affected in helminthiasis are stomach and intestine and major symptoms of sever helminthiasis include diarrhea, abdominal pain, general malaise and impaired cognitive development. Chronic helminthiasis by hook worm lead to intestinal bleeding and anemia.<sup>3</sup> *Pheretima* is a genus of earthworms. *Pheretima posthuma* are long cylindrical shaped worms having length of 15-30 cm. they are mostly found in moist soil and responsible for vegetables and humus. Their life span is 3 to 10 years.<sup>4</sup>

*Samanea Saman* Merr (family Fabaceae) commonly known as rain tree is easily available and widely spread plant in the world. It is widely cultivated throughout Mediterranean region and all tropical regions including temperate, tropical and subtropical regions due to its higher commercial scale.

**Scientific classification of Taxonomy Kingdom:** Plantae, Order: Fabales, Family: Fabaceae, Genus: *Samanea Saman*, Species: *Samanea saman* and exhibits the synonym names of *Samanea saman* such as *Albiziasaman*, *Enterolobium saman*, *Inga saman*, *Pithecellobium saman*, and *Mimosa saman*.<sup>5</sup>

Downpour tree is effortlessly known for its qualities like umbrella-molded cover. Downpour tree is filled in the open and ordinarily arrives at 15-25m (50-80 ft) in level. *Samanea saman* is quite possibly of the main plant in the Pacific as an overhanging tree on little ranches and along street side regions in parks and field. The downpour tree is filled in the tropical climate and its wood has restricted need for cut bowls, make wood, and fuel wood. The leaves and cases of downpour tree are utilized as food because of the great nutritive substance and nitrogen



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<https://www.ijonline.org>

Original Article

## Simultaneous Estimation of Lamivudine, Tenofovir Disoproxil Fumarate and Efavirenz in Bulk and Tablet Dosage Form by Cramer's Rule

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### ABSTRACT

**Background:** Cramer's rule is one of the significant techniques applied to settle an arrangement of conditions. In this rule, the upsides of the factors in the framework are to be determined utilizing the determinants of networks. Consequently, Cramer's rule is otherwise called the determinant rule. Few analytical methods for simultaneous estimation of Lamivudine, Tenofovir disoproxil fumarate and Efavirenz available currently are UPLC, RP-HPLC which are quite affordable, UV-Visible method is also available but that are not based on Cramer's rule which affords more accurate results in analytical research protocols. Traditional method needs to separate the LAM, TDF and EFV before analysis. Proposed method did not need to separate these 3 drugs and only needs to prepare the sample solution directly as per given in the assay procedure and measure the absorbance at 262 nm, 247 nm and 272 nm. **Materials and Methods:** Jasco V-730 double beam UV-Vis spectrophotometer at wavelength range of 200-400 nm was used for research protocol. Trioday tablet containing three Anti-HIV drugs and manufactured by Cipla were used for the study. Methanol and freshly prepared distilled water was used as solvents. UV-Visible spectroscopy method is applied for simultaneous estimation of Lamivudine, Tenofovir disoproxil fumarate and Efavirenz in their ternary mixture and their tablet dosage form. UV-Vis spectrophotometry is based on the additivity of absorbance of drugs. The drugs show maximum absorbance at 247 nm for Efavirenz, 262 nm for Tenofovir and 272 nm for Lamivudine in methanol so these wavelengths were selected for further analysis. Matrix was drawn using the standard absorptivity values obtained at all the three wavelengths and the amount of drug in the tablet dosage form was calculated by solving matrix using Cramer's rule. The developed method was validated as per ICH guidelines. **Results:** The maximum wavelength found to be linear in the range of 5-30 µg/mL for Lamivudine and Tenofovir disoproxil fumarate while 10-60 µg/mL for Efavirenz. The precision was carried out at two level viz intra-day and inter-day for which the RSD was found within limit (<2%). Recovery study was carried out on the developed method and the recovery was found to be in the range of 97.5 - 102.5%. **Conclusion:** From analytical data it can be concluded that all the three drugs obey the Beer's-Lambert's law at these selected wavelengths of maximum. Method was found to be simple, sensitive, precise and accurate. The developed method can be applied for the routine analysis of the Lamivudine, Tenofovir disoproxil fumarate and Efavirenz in combined dosage form using Cramer's rule.

**Keywords:** Lamivudine, Tenofovir disoproxil fumarate, Efavirenz, Cramer's rule.

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### INTRODUCTION

Tablet containing Lamivudine (LAM), Efavirenz (EFV), Tenofovir Disoproxil Fumarate (TDF), is prescribed combination used to stop or slow down the progression of HIV infection; also

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## MOU with Institute of Pharmaceutical Education and Research Pvt Ltd, Pune

### Summary of activities under MOU:

Sr no	Academic Year	Name of Activity	No of beneficiaries	Start Date	End Date
1	2021-2022	Guest lecture	95	04/01/2022	04/01/2022

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**Memorandum of Association for Mutually Beneficial For  
Skill Development Programs in Pharma**


Between

1. IPER Pune

And

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



  
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Progressive Education Society's Modern College of Pharmacy, Sector-21, Yamunanagar, Nigdi, Pune-44 Having registered office at Nigdi, Pune hereinafter called "MCOPN" (which expression shall, unless it be repugnant to the context or meaning thereof, be deemed to mean and include its successors and assigns) of the OTHER PART:

WHEREAS the IPER is engaged in the Conducting several Pharma Management Diploma Programs and One day Certificate Programmes and has decided to collaborate with MCOPN for Skill Development for the Pharmacy/Science Students.

MCOPN is approved by the AICTE, PCI, Govt. of Maharashtra and is permanently affiliated to University of Pune. Moreover, the college is approved under Section 2(f) and 12(B) of the UGC Act, 1956. The college is accredited by NAAC Bangalore and awarded as Best Professional College by Savitribai Phule Pune University. The college is recognized as a Ph.D. research centre for Pharmaceutics and Pharmaceutical Chemistry by the University of Pune. The college is ranked 41 in 2017-18 and secured rank in 76-100 band in 2018-19 in NIRF National Ranking by MHRD, India in pharmacy category.


The college has state-of-the-art infrastructure for study and research in Pharmaceutical and life sciences. The faculty of the college is competent, qualified, devoted and with an innate passion for carrying out research with relevance to current and contemporary needs. The college has well furnished library which is enriched with Chemical Abstracts (1907-1986), e-library, language laboratory, and has subscribed to more than 3900 e-journals. The college has also subscribed to various national programs such as, National Program on Technology Enhanced Learning (NPTEL) and National Library and Information Services Infrastructure for Scholarly Content (NLIST) at INFLIBNET. The college has well equipped research laboratories and the faculty and the students have undertaken various research projects in major thrust areas in Pharmacy and allied sciences.

IPER is a reputed brand / company / organization in its respective professional field of pharma training and run Professional Pharma Management Diplomas and One day certificate programmes while MCOPN is a professional pharmacy/Science/ college or University imparting Quality Pharmacy or Life Sciences Education.

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3. The **MCOPN** may advertise the **IPER** at its own cost and expenses by advertisements in newspapers, journals, magazines, Internet or by any other means.
4. The **MCOPN** agrees to conduct One Day Programme on **Current Challenges and opportunities in Pharmacy Profession** to inspire the students to enroll for **IPERs** Pharma Management Diplomas by paying Rs 700 per participant and agrees for minimum 60 participants. Minimum 30 students should register for **IPERs** any Pharma Management Diplomas and minimum 2 one day certificate programmes should be conducted by **MCOPN** in a year. For Correspondence Registration **IPER** will conduct 1 One Day Professional certificate Programmes while for Online Registration 4 and Part Time Registration 6 programmes will be conducted to cover the content of programmes
5. The **MCOPN** agrees to appoint a High ranked senior professional amongst its employees as a Representative for coordinating the activities.
6. The **MCOPN** and the **IPER** hereby agree to use each other's business Collaterals like Logos, photos, website URL etc in their individual Business Collaterals after mutual consent.
7. The **MCOPN** or the **IPER** may terminate this Agreement, at any time during the period of three Years, after giving one year notice thereof, in case either party fails to comply with the instructions issued by it or if it omits to comply with its obligation imposed upon it under this agreement.
8. Charges of **IPER** for One Day Programme is Rs 700 per participant inclusive of 18% GST and for Prospectus and Application form for Diploma is Rs 1180 inclusive of 18% GST. Course fees of various courses mentioned in Annexure.
9. The **MCOPN** will receive 10 % of **IPER** fees charged to students for Pharma Management Diplomas after students enroll for the programme. Co-ordinator of **MCOPN** will get Rs 3000 per month for organizing activities.
10. For fee structure of **IPERs** Pharma Management Programmes see Annexure 1 and List of **IPERs** One Day Programme and fees see Annexure 2.
11. However, notwithstanding such notice or effective termination, parties shall complete their pending obligations. The ongoing program needs to be completed and ensure that the interest and rights of the admitted students would be protected by both the parties.



  
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12. Any and all disputes, controversies, differences arising between the parties hereto out of or in relation to this agreement or any breach thereof shall be finally settled by arbitration by two arbitrators, one to be appointed by each party to the dispute and the arbitrators shall, before taking upon themselves the burden of reference appoint an umpire. The award given by the arbitrators or umpire as the case may be, shall be, final and binding on the parties.
14. This agreement will be registered on stamp paper shall be executed in duplicate. The **MCOPN** shall retain the copy and **IPER** will retain the original
15. Unless otherwise agreed upon, the respective addresses for communication in respect of any matter relating to this agreement shall be as under:

<p>For MCOPN :</p>  <p>Dr. P. D. Chaudhari</p> <p>Principal P.E.S. Modern College of Pharmacy Progressive Education Society's Modern College of Pharmacy, Sector-21, Yamunanagar, Nigdi, Pune-44</p>		<p>For IPER:</p>  <p>Dr Mahesh Burande</p> <p>Hon Director Institute of Pharmaceutical Education and Research (Pune) Pvt. Ltd.</p>
<p>Sameer Burande CEO IPER.</p>		
<div style="display: flex; justify-content: space-around; align-items: center;"><div style="text-align: center;"><p>NOTARIAL</p></div><div style="text-align: center;"><p>NOTARIAL</p></div><div style="text-align: center;"><p><b>BEFORE ME</b></p><p>ADV SHRIDHAR M. YELMAR NOTARY GOVT. OF INDIA CHINCHWAD, PUNE-19. <b>14 AUG 2019</b></p></div></div>		


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2021-2022



Progressive Education Society's  
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Date: 31/12/2021

**NOTICE**


All First Year B. Pharm, Direct Second Year, First Year Pharm. D., Second Year Pharm. D. & Fourth Year Pharm D. (P.B.) students are hereby informed that your **"Three Days Induction Program"** is scheduled from **Tuesday, 04/01/2022 to Thursday, 06/01/2022**. Guest lecture on "Challenges & opportunities in pharmacy field" by **Dr. Mahesh D. Burande Director, I.P.E.R, Pune** is scheduled on **04/01/2022 at 11:00 am to 12:30 pm**.

Attendance is mandatory.


**Venue: MIBS (formerly IMCD) Building, Seminal Hall, Nigdi.**


*Session wise schedule are attached with this notice.*

*Follow all the guidelines of covid-19 during the program.*



**Prof. R. M. Gurav**  
Induction Program Coordinator





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

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**Progressive Education Society's  
MODERN COLLEGE OF PHARMACY  
Yamunanagar, Nigdi, Pune -44**



**Name of Activity: Induction Program**

**Date: 04/01/2022 to 06/01/2022**

**Date of Activity: 04/01/2022**

Sr. No.	Name of Participants	Sr. No.	Name of Participants
1.	Adhalrao Vaishnavi D	36	Yadav Amit Rajbali
2.	Gopnar Keshav Ranjeetrao	37	Yeole Mrugaja Rajendra
3.	Aaditya Gaikwad	38	Zinjurke Siddesh Kalyan
4.	Prafull Kamjalge	39	Pande Aishwarya Narharirao
5.	Satsang Kumthekar	40	Pathade Aditi Ambadas
6.	Soham Misal	41	Sawant Omkar Ravindra
7.	Shweta Nagare	42	Shendage Rohit Janardan
8.	Laasya Ratna Pagadala	43	Shinde Rohit Ananda
9.	Srusti Sonawane	44	Shirke Vaishnavi Vishnu
10.	Sindhav Krushnarajsinh	45	Phalke Pratik Kiran
11.	Solanke Omkar Shivaji	46	Raut Mahesh Digambar
12.	Barhate Jay Jitendra	47	Reddy Mahesh Rajkumar
13.	Bhale Geetanjali Narayan	48	Sabale Sahil Maruti
14.	Bhandare Akanksha Abhijit	49	Kandekar Tejas Vijay
15.	Bhumkar Pankaj V	50	Kapse Yash Raju
16.	Birje Siddhi Omprakash	51	Pande Aishwarya Narharirao
17.	Bisane Nisarga Nandkishor	52	Pathade Aditi Ambadas
18.	Sur Krishnakumarsinh	53	Mathapati Tushar Mallinath
19.	Suryawanshi Chanchal Raju	54	Mhetre Shweta Mohan
20.	Thorat Yash Ramesh	55	Mulla Taufik Usman
21.	Sur Krishnakumarsinh	56	Bobade Durga Manoj
22.	Chorghade Vijay Namdev	57	Bodkhe Shrinath Balaji
23.	Dhakne Dhanraj Shriram	58	Borhade Anuj Vivek
24.	Gosavi Deepali Shrikrushna	59	Chaudhari Sakshi Nitin
25.	Hiremath Niraj Sharanayya	60	Kulkarni Yash Balkrushna
26.	Ishte Kirti Dattatray	61	Mane Digvijay Bharat
27.	Jadhav Rupesh Ramrao	62	Adhav Atharv Raju
28.	Joshi Atharva Praful	63	Adsul Jivan Kantilal
29.	Nigade Nikita Nanasaheb	64	Aglave Akanksha Sanjay
30.	Khaire Pooja Sunil	65	Akolkar Shrutika Bhimraj
31.	Sabale Sahil Maruti	66	Shirude Atharva Bhagwan
32.	Sambare Dattatray Shrikrushna	67	Sontakke Rutuja Kiran
33.	Sapkal Tushar Shrimant	68	Talekar Sanika Sanjay
34.	Wakude Shrikrushna Santosh	69	Bagalkot Priti Mohan
35.	Wankhede Khushi Kailas	70	Barge Kunal Gajanan


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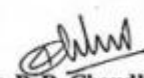
Progressive Education Society's  
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Yamunanagar, Nigdi, Pune -44



Sr. No.	Name of Participants	Sr. No.	Name of Participants
71	Dhumal Shraddha Swapnil	86	Shreeparna Bhattacharya
72	Dudhabhate Rutuja Anuraj	87	Vasundhara Deosarkar
73	Gaikwad Anish Arun	88	Siddhi Dhawade
74	Gambhir Suyash Deepak	89	Niranjan Hingane
75	Chaukate Prerana Adinath	90	Ankit Jadhao
76	Chavan Arati Santosh	91	Yuvraj Jadhav
77	Dhumekar Vedashree Anil	92	Rutika Kamble
78	Dudhade Devendra Sanjay	93	Neerav Motwani
79	Galande Shubham Vijay	94	Nikita Sanap
80	Ghogare Nilesh Balaji	95	Kirti Savali
81	Reddy Mahesh Rajkumar		
82	Shinde Tejas Subhash		
83	Shirke Rui Vijay		
84	Kamble Anushka Anil		
85	Kamble Anushka Arvindkumar		

  
Prof. R. M. Gurav  
Induction Program Coordinator



  
Dr. P. D. Chaudhari  
Principal  
P. E. S. Modern College of Pharmacy  
Sector No.21, Yamunanagar, Nigdi,  
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Progressive Education Society's  
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1.	Name of activity	Guest lecture on "Challenges & opportunities in pharmacy field"
2.	Date of activity	4 <sup>th</sup> January 2022
3.	Time	11:00 am to 12:30 pm
4.	Speaker	<b>Dr. Mahesh D. Burande</b> Director, I.P.E.R., Pune
5.	No. of total students participated	95
6.	Occasion of activity	Induction Program
7.	Inauguration by	Dr. Mahesh D. Burande and Dr. Pravin D. Chaudhari sir
8.	Place of activity	MIBS (formerly IMCD) Building, Seminal Hall, Nigdi.
9.	Objectives of activity	<p>Progressive Education Society's Modern College of Pharmacy, Nigdi has organized has initiated 03 days Induction Program for First Year B. Pharm, Direct Second Year, First Year Pharm. D., Second Year Pharm. D. &amp; Fourth Year Pharm D. (P.B.) students to inculcate holistic way of understanding the society and relationships.</p> <p>Purpose of the Student Induction Program is to help new students adjust and feel comfortable in the new environment, inculcate culture of the institution in them, help them build bonds with other students and faculty members, practice human values to build characters and expose them to a sense of larger purpose and self-exploration.</p>
10.	Outcome of activity	Participants understand various Challenges to be faced for their professional and moral development as a pharmacist, as well as students get to know about various opportunities available in pharmacy field



  
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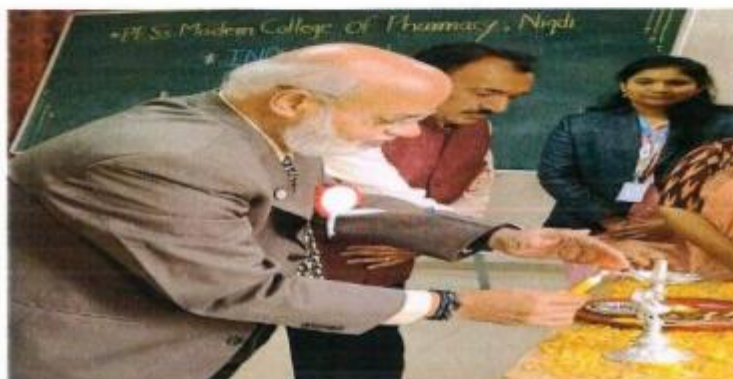




Progressive Education Society's  
**MODERN COLLEGE OF PHARMACY**



**Photos of Activity**



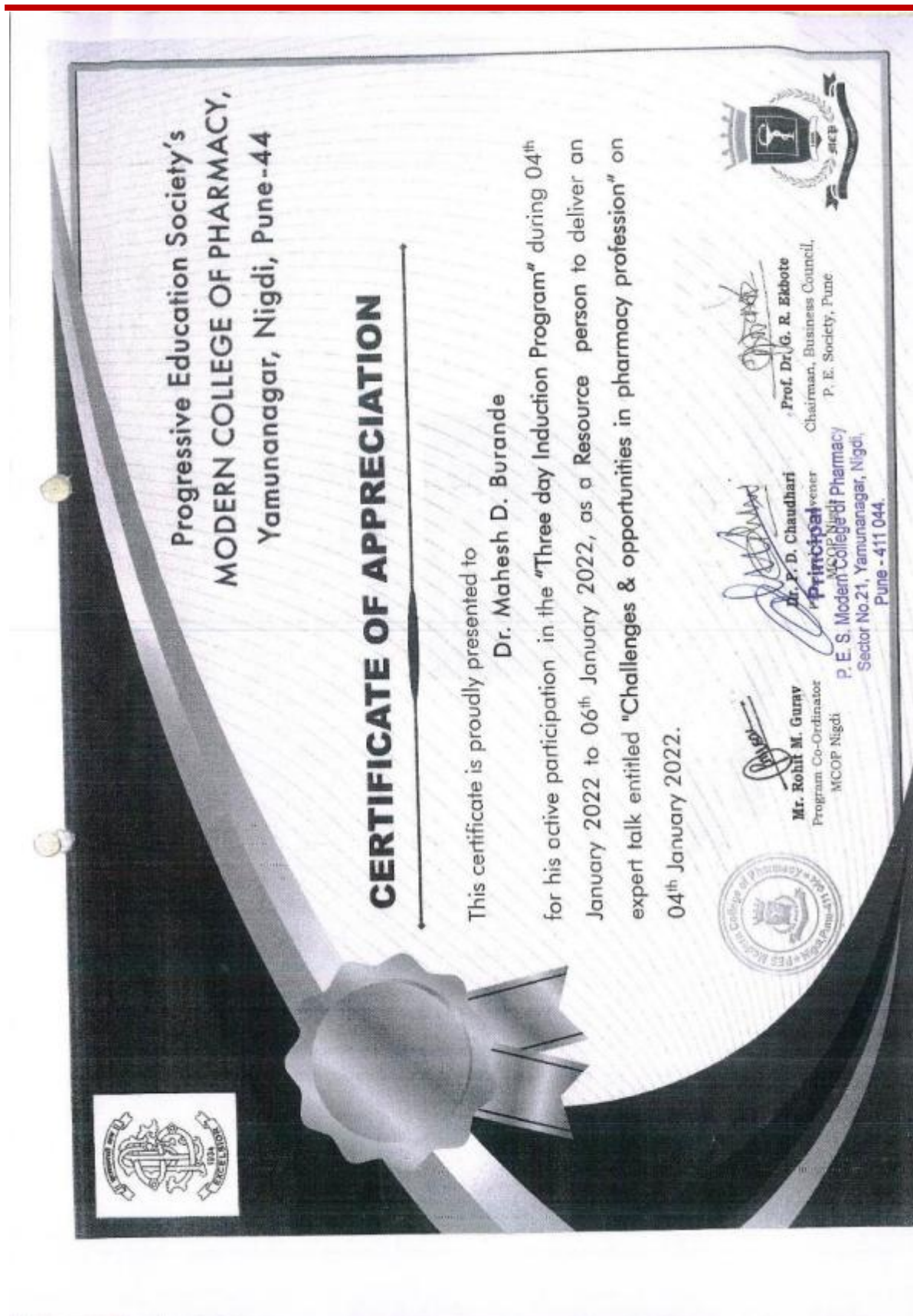
**Prof. R. M. Gurav**  
Induction Program Coordinator

**Dr. P. D. Chaudhari**  
Principal



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## MOU with Sava Healthcare Limited, MIDC, Chinchwad, Pune

### Summary of activities under MOU

S r n o	Academ ic Year	Name of Student	Name of Activity	Title of Activity	No of beneficia ries	Start Date	End Date
1.	2018-2019	Sayali Damgude	Student industrial project	Development and validation of RP-HPLC method for determination of scopolamine and myristicin in bulk and dosage form	1	20/06/2018	06/02/2019
2.	2019-2020	-	Industrial visit	-	16	07/02/2020	07/02/2020
3	2020-2021	Pratik kumar Deepak More	Student industrial project	Application of RP-HPLC method in dissolution testing for simultaneous estimation of Metformin and vildagliptin in marked dosage form	1	22/07/2020	22/2/2021

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## MEMORANDUM OF UNDERSTANDING

BETWEEN

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

AND

Sava Healthcare Limited, MIDC, Chinchwad, Pimpri-Chinchwad, Maharashtra 411019 here in named party two



Principal

SAVA HEALTHCARE LIMITED

Registered Office: Shed No 508 GDC 2, Wadhwani City, Dist. Surendra Nagar, Gujarat, India  
R&D Center: Block No. D1, Plot No. 17/6 MIDC, Chinchwad, Pune - 411019, INDIA  
Tel: +91 20 6618 1200 E-mail: [sales@savaglobal.com](mailto:sales@savaglobal.com) Web: [www.savaglobal.com](http://www.savaglobal.com)

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THIS MEMORANDUM OF UNDERSTANDING IS MADE AT PUNE ON 18/05/2019

**WHEREAS**

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

**WHEREAS**

Second Party is Sava Healthcare Limited is a research-driven company, with R & D facility located at Chinchwad near Pune is best in class and approved by DSIR, R & D has developed over 325 formulations in-house.

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

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



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#### GOALS AND OBJECTIVES

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

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

#### NOW THEREFORE THIS MEMORANDUM OF UNDERSTANDING WITNESSE AS UNDER

##### 1. Field of Co-Operation:

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



  
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**2. Management and Administration:**

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

**3. General Provisions:**

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

**4. Amendments:**

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

**5. Settlement of Disputes:**

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



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**6. Termination:**


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

**7. Valid period:**

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

Signed in Pune on 18/05/2019 in two original in English language.


For Party of the First Part	Progressive Education Society's Modern College of Pharmacy Sector 21, Yamunanagar, Nigdi, Pune - 411044	For Party of the Second Part	Sava Healthcare Limited, MIDC, Chinchwad, Pimpri-Chinchwad, Maharashtra 411019
Signature with seal	 	Signature with seal	 
Designation	Principal and Professor	Designation	Head-R&D
Name	Dr. Pravin D. Chaudhari Email ID: pdchaudhari21@rediffmail.com Contact: 9850179873	Name	Email ID: sriram.p@savaglobal.com Contact: 7507003688
Date	18/05/2019	Date	18/05/2019

  
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Pune - 411 044.

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2018-2019



Date: 06<sup>th</sup> June 2019


TO WHOM IT MAY CONCERN


This is to certify that, Ms. Sayali Damgude student of Modern College of Pharmacy has successfully completed training programme from 20<sup>th</sup> June 2018 to 06<sup>th</sup> February 2019 in our Herbal Department.


During the period of her internship programme with us she was found punctual hardworking and inquisitive

We wish her every success in her future pursuits


For SAVA HEALTHCARE LIMITED

  
Anshu Mukherjee  
Head- Human Resource,





**SAVA HEALTHCARE LIMITED**  
CIN: U51397GJ2004PLC074963  
Registered Office: Shed No 508 GIDC 2, Wadhwani City, Dist Surendranagar - 363005, Gujarat, INDIA  
Corporate Office: SAVA House, Off New Airport Road, Viman Nagar, Pune - 411014, INDIA.  
Tel: +91 20 3061 6100 Fax: +91 20 3061 6161 E-mail: sales@savaglobal.com Web: www.savaglobal.com

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

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30<sup>th</sup> August 2018

Sayali Shantaram Damgude  
Matoshree Sec No 30/32 Near  
Ganpati Mandir Walhekaryadi  
Chinchwad Pune-411033.

Subject: Internship project permission.

We refer to the letter from your Institution Modern College of Pharmacy, Pune requesting to organize training to the M.Pharm students of your institution.

We are pleased to inform you that out of the list of students provided, you have been shortlisted to undergo an internship for a period of 6 months at our R&D Center, Chinchwad on the following terms and conditions:

1. The internship shall commence effective 20<sup>th</sup> June 2018 for a period of 6 months during which period the intern shall be required to register her presence for all the working day during the aforesaid tenure of training/ internship project. In case the Intern fails to satisfactorily complete the aforesaid days, the internship shall be extended to the number of days falling short.
2. You shall be required to maintain highest order of discipline and secrecy as regards the work of the company and/ or its subsidiaries or associate companies.
3. As this arrangement is a training/ internship project which is purely academic in nature, therefore you shall not be paid any Stipend and/ or any financial disbursement, whatsoever during the tenure of the project.
4. After an initial training, a suitable Project befitting the research need shall be given to you to work upon and on its successful completion, you shall be required to present and submit the project work to the authorities of Sava Healthcare Ltd. Such Project work accomplished during the internship period shall remain the intellectual property of the company.
5. During the tenure of the internship the Company shall not be liable to for any compensation arising due to any physical injury and/ or accident and/ or any hazard arising out of any work performed during the course of the project work and/ or while coming/ going to/ from the place of training and/ or any of the Company premises for the purpose of the project work/ internship.
6. On successful completion of the project/ internship, you shall be provided with a certificate of project completion by the company.
7. The company shall not be liable to gainfully employ you on completion of the project work and any full time position being offered to you shall be at the sole discretion of the Company.

We wish you a great learning experience at SAVA and trust you shall immensely add value to the project being allocated to you.

Thanking You,

For SAVA HEALTHCARE LTD.

Anshu Mukherjee  
Head-Human Resource

\* I

I accept the above terms & conditions



Sayali Shantaram Damgude

Principal

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

SAVA HEALTHCARE LIMITED

CIN: U51397GJ2004PLC074963

Registered Office: Sheo No 506 GIDC 2, Wadhwan City, Dist Surendranagar - 363035, Gujarat, INDIA.  
Corporate Office: SAVA House, Off New Airport Road, Viman Nagar, Pune - 411014, INDIA.  
Tel: +91 20 3061 6100 Fax: +91 20 3061 6161 E-mail: sales@psa.savaindia.com Web: www.savaindia.com

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

Industrial Project/ Training Project Report

1. Name of Student: Sayali Shantaram Damgude
2. Class/Sem : S.Y.M.Pharm, Sem-III
3. Department: Quality Assurance Technique
4. Roll No. : QAT - 204
5. Name and address of company: Sava Healthcare Ltd. Chinchwad, Pune.
6. Industrial project/ Training period: 20 June 2018 to 21 December 2019
7. Period of progress report: 20 June 2018 to 19 August 2018.
8. Title of project work: "Development and Validation of RP-HPLC Method for Determination of Scopoletin and Myristicin In Bulk and Dosage Form."
9. Work done week wise:


Week 1	Week 2	Week 3
SOP reading of HR policy related manuals and employee training	SOP reading of procedure for issuance of log books and LNB, procedure for documentation correction. And handling of deviation incident and CAPA.	SOP reading of procedure for allocation of product code, employee code, Layout of P&D, ADL and HERBAL laboratory, Procedure for handling of deviations and incidence, Quality policy.
Week 4	Week 5	Week 6
SOP reading of recording LNB, stability stress studies of developmental batches, Dispensing of raw materials.	SOP reading pH meter KF titrator and sonicator- Model 5.5L-150H.	SOP reading of UV/ Visible spectrophotometer. Model no. shimadzu
Week 7	Week 8	Week 9
SOP reading of calibration and operation of manual and auto dissolution tester.	SOP reading of calibration and operation of HPLC system (Waters Corp Ltd) software - Empower 2.0.	Reading of ICH guidelines such as analytical method development and impurity profiling.





  
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Sayali S. Damgude  
Student Name and Sign


  
Dr. Laxman Sawant  
Industry Guide/ Representative Name and Sign

  
Dr. Amit S. Tapkir  
College Guide Name and Sign

  
Dr. P. D. Chaudhari  
Principal Name and Sign

  
Dr. K. S. Shaikh  
Training In-charge Name and Sign



  
Principal  
P. E. S. Modern College of Pharmacy  
Sector No. 24, Yamunanagar, Nigdi,  
Pune - 411 044.

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


Industrial Project/ Training Project Report

1. Name of Student: Sayali Shantaram Damgude
2. Class/Sem : S.Y.M.Pharm, Sem-III
3. Department: Quality Assurance Technique
4. Roll No. : QAT - 204
5. Name and address of company: Sava Healthcare Ltd. Chinchwad, Pune.
6. Industrial project/ Training period: 20 June 2018 to 21 December 2019
7. Period of progress report: 20 August 2018 to 19 October 2018.
8. Title of project work: "Development and Validation of RP-HPLC Method for Determination of Scopoletin and Myristicin In Bulk and Dosage Form."

9. Work done week wise:

Week 10	Week 11	Week 12
Literature survey for selection of API and marketed products.	Literature survey for selection of API and marketed products	Selection of wavelength by UV Spectrophotometer Wt/ ml of sample
Week 13	Week 14	Week 15
Solubility study and pH of sample	Study of ICH guidelines Q1A to Q1F.	Study of ICH guidelines Q4 to Q8.
Week 16	Week 17	Week 18
Method development trials (Optimization of column)	Method development trials (Optimization of column)	Method development trials (Optimization of column)




  
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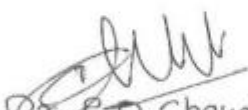
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Sayali S. Damgude  
Student Name and Sign


  
Dr. Laxman Sawant  
Industry Guide/ Representative Name and Sign

  
Dr. Amit S. Tapkir  
College Guide Name and Sign

  
Dr. P. D. Chaudhari  
Principal Name and Sign

  
Dr. K. S. Shaikh  
Training In-charge Name and Sign



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

Industrial Project/ Training Project Report

1. Name of Student: Sayali Shantaram Damgude
2. Class/Sem : S.Y.M.Pharm, Sem-III
3. Department: Quality Assurance Technique
4. Roll No. : QAT - 204
5. Name and address of company: Sava Healthcare Ltd. Chinchwad, Pune.
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7. Period of progress report: 20 October 2018 to 21 December 2018.
8. Title of project work: "Development and Validation of RP-HPLC Method for Determination of Scopoletin and Myristicin In Bulk and Dosage Form."

9. Work done week wise:

Week 19	Week 20	Week 21
Method development trials	Method development trials	Method development trials
Week 22	Week 23	Week 24
Method development trails (Optimization of column)	Method development trails (Optimization of mobile phase, its composition and run time)	Method development trails (Optimization of mobile phase, its composition and run time)
Week 25	Week 26	Week 27
Method development trails (Optimization of flow rate and column temperature)	Method development and validation	Method development and validation

10. Details of achievements (Publications, conference papers, presentations, patents, etc.):--



  
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Sapli Shantaram Damgade  
Student Name and Sign

  
Dr. Laxman Sawant  
Industry Guide/ Representative Name and Sign

  
Dr. Amit S. Tapkir  
College Guide Name and Sign

  
Dr. P. D. Chaudhari  
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**2019-2020**

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

**Notice**

Date: 05/02/2020

All Teaching faculty, Non teaching staff and students of M Pharm/ B. Pharm are hereby informed that, our college has organize industry visit for B. Pharm/ M. Pharm students, the details of visit schedule is as follows

Name of Place : Sava Healthcare Ltd, Block No D1, Plot No.17/6, MIDC, Chinchwad, Pune-411019.

Name of class : M. Pharm/B Pharm


Date of visit: 07/ 02/2020 (Friday)

Time for departure from college: 1 pm

Selected students: list attached

  
Dr. V V Chopade  
Industry visit in-charge




  
Dr. P. D. Chaudhari  
Principal

**Copy to**

1. Academic section
2. Class teacher
3. Exam section
4. Office
5. Circulation to all faculty
6. Circulation to all students

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

  
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PES Modern College of Pharmacy, Nigdi. Pune-44

Attendance of students for Industrial visit

Venue: Sava Healthcare Ltd, Block No D1, Plot No.17/6, MIDC, Chinchwad, Pune-411019,

Class: F Y M Pharm QAT

Date: 07/02/2020

Time 01:00 PM onwards

Sr.no	Roll no	Name of students	signature
1.	QA-101	AROTE PRATIBHA RAJESH	
2.	QA-102	CHEDE PRATIKSHA SANJAY	
3.	QA-103	DODAL TEJAL MANGESH	
4.	QA-104	GAGARE SHUBHAM SANJAY	
5.	QA-105	GAIKWAD ANIRUDDHA A	
6.	QA-106	GANDLE POOJA ATMARAM	
7.	QA-107	JAGTAP AKASH BAPUSAHEB	
8.	QA-108	KHADE SHUBHAM R	
9.	QA-109	KOLAPE REKHA CHANDRAKANT	
10.	QA-111	LOHARKAR HARSHAL SUNIL	
11.	QA-112	MALI SHRADDHA LAVKUMAR	
12.	QA-113	MANKUSKAR KAMLESH C	
13.	QA-114	MORE PRATIKKUMAR DEEPAK	
14.	QA-115	SATKAR SHRADDHA SUBHASH	
15.	QA-116	SHAH PADMAJ KETAN	

Dr V V Chopade  
Industrial visit incharge



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

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

REPORT OF ACTIVITY 2019-20

1.	Name of activity:	Industry visit for B. Pharm/ M Pharm students
2.	Name of industry	Sava Healthcare Ltd, Block No D1, Plot No.17/6, MIDC, Chinchwad, Pune-411019
3.	Date of activity	07/02/2020
4.	Total no students participate	16+ 1 staff
5.	Occasion of activity	Industry Academic Interaction
6.	Place of visit	Manufacturing, packaging and QC operation
7.	Objectives of activity	<ol style="list-style-type: none"><li>1. To get pharmacy knowledge, planning abilities, problem analysis, modern tool usage, professional identity, pharmaceutical ethics, communication, environment and sustainability, life-long learning.</li><li>2. To know working procedure of manufacturing unit and QAQC dept of Pharmaceutical industry</li><li>3. To get importance of accuracy in practical's experiments How to operate equipments in pharma industry.</li></ol>
8.	Training given by	Dr Shrinivas Bhope
9.	Name of faculty with students	Dr. Vitthal V Chopade
10.	Activity co-coordinator	:Dr. Vitthal V Chopade

  
Dr V V Chopade  
Industry visit Incharge



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



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

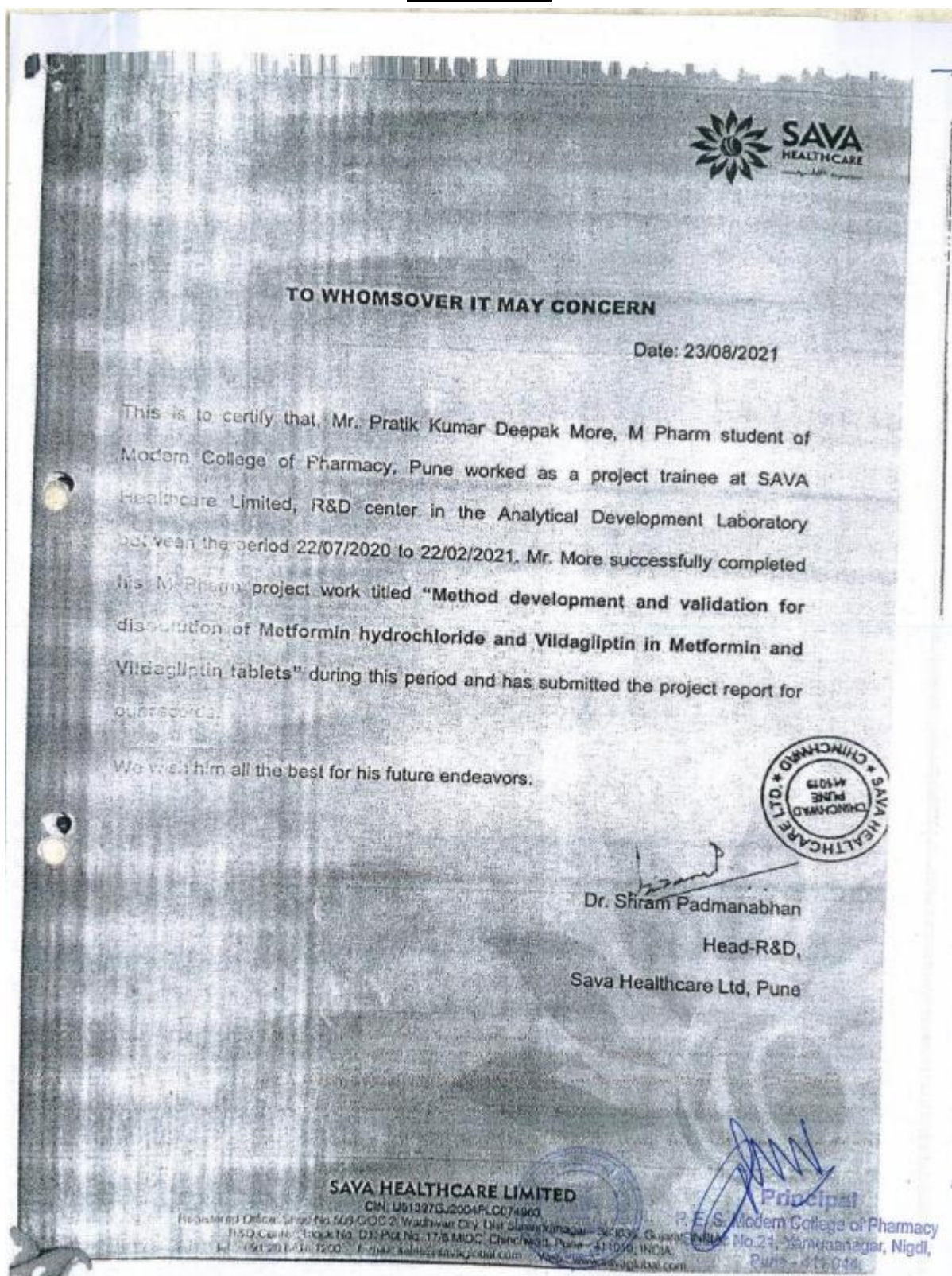
2

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2020-2021



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## MOU with Dinanath Mangeshkar Hospital and Research Center, Pune

### Summary of activities under MOU

Sr no	Academic Year	Name of faculty	Name of Activity	Name of title	No of beneficiaries	Start Date	End Date
1.	2022-2023	Dr. Rajani Mali	Collaborative research	Study of Onset Time, Risk Factors, and Prescription Pattern in Patients with Stroke.	4	15/12/2022	31/05/2023
2.	2022-2023	Dr. Mayuri Kharde	Collaborative research	Assessment of Anti-Microbial agent usage pattern as per the given susceptibility testing report	4	15/12/2022	31/05/2023
3	2022-2023	Dr. Rajani Mali	Collaborative research	To study incidence, cost analysis and drug utilization pattern of anticoagulants in patient with VTE	4	15/12/2022	31/05/2023
4	2022-2023	Dr. Rohini Chavan	Collaborative research	Assessment of drugs dose adjustment in chronic kidney disease patients in tertiary care hospital	4	15/12/2022	31/05/2023
5	2022-2023	Dr. Mayuri Kharde	Collaborative research	To design, develop and validate the screening tool for minimizing prescription error in neonates.	4	15/12/2022	31/05/2023
6	2022-2023	Dr. Sunita Pawar	Collaborative research	Design, development and validation of screening tool for IV medications incompatibility in neonates	4	15/12/2022	31/05/2023
7	2022-2023	Dr. Anjali Kumbhar	Collaborative research	To evaluate the drug utilization and analysis of antiepileptic drugs at tertiary care hospital	4	15/12/2022	31/05/2023

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महाराष्ट्र MAHARASHTRA

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SK 948231

**एक प्रतिस्पर्धात्मकता**

[illegible]

## MEMORANDUM OF UNDERSTANDING

This memorandum of understanding is made on 28<sup>th</sup> August 2017 between  
Deenanath Mangeshkar Hospital and Research Centre, Near Mhatre Bridge,  
Kandawne, Pune, Maharashtra 411004 which is represented by its  
Principal/Dean/Medical Superintendent/Medical Director/CEO herein named as  
party one  
and Progressive Education Society's, Modern College of Pharmacy, Sector-21,  
Yamunanagar, Nigdi, Pune-44 represented by its Principal/CEO, named as party two.



Principal

S. Modern College of Pharmacy  
Sector No 21, Yamunanagar, Haryana  
Phone - 311 634

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

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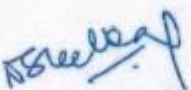


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The parties hitherto agree as follows:

1. Party one declares that Deenanath Mangeshkar Hospital and Research Centre, Near Mhatre Bridge, Erandawne, Pune, Maharashtra 411004. is a 850 bedded hospital, with a minimum of 120 beds for General Medicine Department.
2. Party one agrees to provide to party two the minimum space necessary of 1200 square feet in the hospital building to establish Pharmacy Practice department for the conduct of Pharm.D program.
3. Party one agrees to provide preceptors required to train the Pharm.D students.
4. Party one agrees that, it will not enter into similar agreement with any other Pharmacy institution/s or department/s offering or intend to offer Pharm.D program.
5. The prospective students will be allowed to undergo training in the following specialty departments
  - Medicine
  - Surgery
  - Pediatrics
  - Gynecology and Obstetrics
  - Psychiatry
  - Skin and VD
  - Orthopedics
6. Party two will provide the academic staff and necessary infrastructure for Pharm. D course as per the PCI norms and takes the overall responsibility for smooth conduct of the programs.
7. This agreement is to be in effect at least for ten years from the time of its endorsement by both the parties. The Hospital will not sign the MOU for sharing of the hospital facilities with any other Pharm D institution till the present agreement / MOU is in effect.
8. The officials representing Deenanath Mangeshkar Hospital and Research Centre, Near Mhatre Bridge, Erandawne, Pune, Maharashtra 411004 and Progressive Education Society's, Modern College of Pharmacy, Sector-21, Yamunanagar, Nigdi, Pune 44 are signing this MOU to achieve the beneficial objectives of Pharm.D program.

Signature  
Hospital authority  
with seal

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

Date

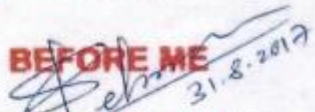


IDENTIFIED BY  
A. N. H.

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

Date

31 AUG 2017

  
BEFORE ME  
31.8.2017  
ADV. SHRIDHAR M. YELMAR  
NOTARY GOVT. OF INDIA  
CHINCHWAD, PUNE-19.  
31 AUG 2017

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**2022-2023****FIFTH YEAR PHARM D PROJECT DETAILS -2022-23**

Grp No.	Name of the Students	Title of the Study	Name and Details of the Principal Investigator	Name and Details of the Guides	Department (DMH) for Conducting Study
1.	Ms. Pratiksha Bhoite Mr. Swapnil Ghatule Mr. Atharva Nanday Mr. Surmeet Udawant	Study of Onset Time, Risk Factors, and Prescription Pattern in Patients with Stroke.	Dr. Rahul Kulkarni; M.B.B.S. M.D. (Medicine), D.M. (Neurology), FAAN D.N.B (Neurology), FAAN Department of Neurology, DMHRC	Dr. Rajani Mali Pharm. D. Assistant Professor Department of Doctor of Pharmacy, Modern College of Pharmacy.	Department of Neurology, DMHRC, Pune.
2.	Ms. Aparna Awhad Ms. Divya Hagawane Ms. Muskan Radhanpura Mr. Pranav Yelamkar	Assessment of Anti-Microbial agent usage pattern as per the given susceptibility testing report.	Dr. Ashwini Joshi, Consultant, M.B.B.S.D.N.B. (Medicine), CCEBDM D.N.B. (Medicine) Department of General Medicine, DMHRC	Dr. Mayuri Kharparde Pharm. D. Assistant Professor Department of Pharmacy Practice, Modern College of Pharmacy.	Department of General Medicine, DMHRC, Pune.
3.	Ms. Rachita Ranasubhe Mr. Sanket Talegaonkar Ms. Saloni Yadav Ms. Jagruti Yerpure	To study incidence, cost analysis and drug utilization pattern of anticoagulants in patient with VTE.	Dr. Narendrajavadkar ;M.B.B.S.M.D.(Medicine), D.N.B.(Medicine), M.A.(Economics) Department of General Medicine, DMHRC	Dr. Rajani Mali Pharm. D. Assistant Professor Department of Pharmacy Practice, Modern College of Pharmacy.	Department of General Medicine, DMHRC, Pune.
4.	Ms. Shweta Kendre Mr. Shiva Khanal Ms. Pranali Mahajan Ms. Shraddha Nachane	Assessment of drugs dose adjustment in chronic kidney disease patients in tertiary care hospital.	Dr. Atul Mulay M.B.B.S. M.D., (Medicine), D.N.B. (Nephrology), M.Sc. (Epidemiology), Department of Nephrology, DMHRC, Pune	Dr. Rohini Chavan Pharm. D. Assistant Professor Department of Pharmacy Practice, Modern College of Pharmacy.	Department of Nephrology, DMHRC, Pune.
5.	Ms. Sukshanta Bature Mr. Saryawan Kumbhar Mr. Akash Mahamuni Ms. Sujata Thokal	To design, develop and validate the screening tool for minimizing prescription error in neonates.	Dr. Shilpa Kalane; M.B.B.S., D.N.B (Pediatrics), Dr. N.B. (Neonatology), Department of Neonatology, DMHRC, Pune	Dr. Mayuri Kharparde Pharm. D. Assistant Professor Department of Pharmacy Practice, Modern College of Pharmacy.	Department of Neonatology, DMHRC, Pune.



*(Signature)*  
Principal  
P.E.S. Modern College of Pharmacy  
Sector No. 21, Ramnagar, Nigdi,  
Pune - 411 004

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**FIFTH YEAR PHARM D PROJECT DETAILS -2022-23**


6.	Ms. VaishraveeDeshmukh Mr. Gurav Memane Ms. VaishraviPanchariya Mr. VedantPatil	Design, development and validation of screening tool for IV medications incompatibility in neonates.	Dr. ShilpaKalane; M.B.B.S., D.N.B (Pediatrics), Dr.N.B. (Neonatology), Department of Neonatology, DMHRC, Pune	Dr. SunitaPawar M. Pharm (Pharmacy Practice), PhD Associate Professor, Head of Department of Pharmacy Practice, Modern College of Pharmacy.	Department of Neonatology, DMHRC, Pune.
7.	Ms. VaishnaviChavan Mr. HarshalJadhav Ms. PranaliKumbhar Mr. Shubhamshewale	To evaluate the drug utilization and analysis of antiepileptic drugs at tertiary care hospital	Dr. Rahul Kulkarni; M.B.B.S. M.D. (Medicine ), D.M. (Neurology), D.N.B (Neurology), FAAN Department of Neurology, DMHRC	Dr. Anjali Kumbhar Pharm. D. Assistant Professor Department of Pharmacy Practice, Modern College of Pharmacy.	Department of Neurology, DMHRC, Pune.



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

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 **INSTITUTIONAL ETHICS COMMITTEE**  
For  
**BIOMEDICAL AND HEALTH RESEARCH**  
(DHR Reg No- EC/NEW/INST/2021/MH/0026)  
**DEENANATH MANGESHKAR HOSPITAL & RESEARCH CENTRE**  
ERANDAWANE, PUNE - 411 004, INDIA. TEL: NO. (91) 020 66023000, 40151000 FAX - (91) 020-25420104  
Email - [iec2@dmhospital.org](mailto:iec2@dmhospital.org) Website - [www.dmhospital.org](http://www.dmhospital.org)

**APPROVAL LETTER**

(The Institutional Ethics Committee of Deenanath Mangeshkar Hospital & Research Centre works as per its Work Document and SOPs per provisions of Good Clinical Practices, ICMR Code 2000, Ethical Guidelines for Biomedical Research on Human Participants ICMR 2006 and 2017, Guidelines for Clinical Trials on Pharmaceutical Products in India, CDSCO, GSR 227 (E) New CT rules 2019.)

To  
Dr. Rahul Kulkarni  
Principal Investigator

Dear Dr. Rahul Kulkarni

**Student Name**  
Ms. Pratiksha Bhoite, Mr Swapnil Ghatule  
Mr. Atharva Nanday & Mr. Sumeet Udawant

**Guide Name**  
Dr. Rajani Mali

Ref: your letter dated: - 28/11/2022

The Institutional Ethics Committee reviewed and discussed your application to review the Protocol entitled:-  
**Study of Onset Time, Risk Factors, and Prescription Pattern in Patients with Stroke.**

**DMHRC Code-** PharmD\_2022\_Dec\_RK\_03


The following documents were reviewed:

Sr. No.	Document Name	Document Details (Version & Date)
1.	Protocol	Version 1 Dated 28 Nov 2022
2.	English Consent Form	Version 1 Dated 28 Nov 2022
3.	Marathi Consent Form	Version 1 Dated 28 Nov 2022
4.	Data Collection Form	Version 1 Dated 28 Nov 2022
5.	Budget Form	Dated 28 Nov 2022

The IEC approves the above documents in the presented form.

The following members of the Institutional Ethics Committee were present at the meeting held on  
**23<sup>rd</sup> December 2022 at 2:00 pm.** at Deenanath Mangeshkar Hospital and Research Centre.

Sr No	Name	Qualification	Role
1.	Dr. Jitendra. G. Deuskar	M.S. (Gen. Surgery)	Chairperson *
2.	Dr. Pratibha Kulkarni	M.D. (Ob/Gyn)	Co-Chairperson *

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

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3.	Dr. Sameer Jog	M.D. (Int. Med.) EDIC, IDCCM	Clinician
4.	Dr. Amit Parasnis	MBBS, M.S. DNB, (General Surgery), MNAMS, FICS	Clinician
5.	Dr. Pramod Patil	M.D. (Physiology)	Basic Medical Scientist
6.	Dr. Vanita Patwardhan	Ph.D. (Psychology), M. S. (Psychology), M.Ed, Dip in Yoga Education (Govt. recognized)	Ethicist *
7.	Adv. Pravin Joshi	B.Com, LLM	Legal Expert *
8.	Mrs. Hemlata Hirve	BA (Sociology)	Lay Person *
9.	Dr. Amrita Prayag	M.BBS, MS (Pharmacology), Master of Science (Pharmacology)	Joint- Member Secretary
10.	Dr. Vaijayanti Pethe	Ph.D.(Biochemistry)	Member Secretary

\* External Member

Please note that the Principal Investigator or other study staff members did not participate in the decision making / voting procedures

The Institutional Ethics Committee expects (i) you to abide by Privacy and Confidentiality, (ii) to be informed about the progress of the study, (iii) to be informed about any SAE occurring in the course of the study, (iv) to be informed about any changes in the protocol and patient information/informed consent and (v) to be provided with a copy of the final report.

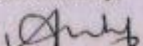
Please be informed that the approval for the protocol starts from the date of this letter and is for duration of one year or for the stipulated duration, whichever is less, unless specified otherwise. In case of approval for any other study related document/s, approval would start from the date of this letter and is effective only till the basic protocol approval remains valid. In case the study is not completed within this time frame, an application should be made for renewing the approval for the study at least two months prior to the end of approval period.

**Approval Validity- One year from date of issue of this letter**

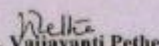
**Study duration as mentioned in protocol – 1 Year**

**Budget Approved: No Funding Requested**

Yours sincerely,

  
Dr. Amrita Prayag

Joint -Member Secretary, IEC-BMHR, DMH&RC  
Deenanath Mangeshkar Hospital & Research Centre

  
Dr. Vaijayanti Pethe

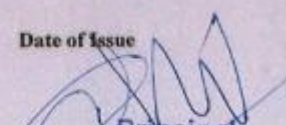
Member Secretary, IEC-BMHR, DMH&RC  
Deenanath Mangeshkar Hospital & Research Centre.



6/1/2023

Date of Issue


Date of Issue

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



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**INSTITUTIONAL ETHICS COMMITTEE**  
For  
**BIOMEDICAL AND HEALTH RESEARCH**  
(DIHR Reg No- EC/NEW/INST/2021/MH/0026)  
**DEENANATH MANGESHKAR HOSPITAL & RESEARCH CENTRE**  
ERANDAWANE, PUNE - 411 004 INDIA. TEL-NO. (91) 020 66023000, 40151000 FAX - (91) 020-25420104  
Email - iec2@dmhospital.org Website - www.dmhospital.org

**APPROVAL LETTER**

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To  
Dr. Ashwini Joshi  
Principal Investigator

Dear Dr. Ashwini Joshi

**Student Name**  
Miss. Divya Hagawane Miss. Muskan Radhanpura  
Miss. Aparna Awhad & Mr. Pranav Yelamkar

**Guide Name**  
Dr. Mayuri Khaparde

Ref: your letter dated: - 28/11/2022

The Institutional Ethics Committee reviewed and discussed your application to review the Protocol entitled:-  
**Assessment of Anti-Microbial agent usage pattern as per the given susceptibility testing report**

**DMHRC Code-** PharmD\_2022\_Dec\_AJ\_02

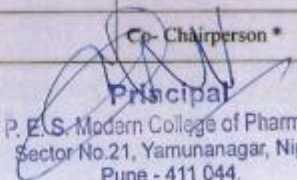
The following documents were reviewed:


Sr. No.	Document Name	Document Details (Version & Date)
1.	Protocol	Version 1 Dated 28 Nov 2022
2.	Budget Form	Dated 28 Nov 2022
3.	Data Collection Form	Version 1 Dated 28 Nov 2022
4.	Waiver of Consent	Dated 28 Nov 2022

The IEC approves the above documents in the presented form.

The following members of the Institutional Ethics Committee were present at the meeting held on  
**23<sup>rd</sup> December 2022 at 2:00 pm.** at Deenanath Mangeshkar Hospital and Research Centre.

Sr No	Name	Qualification	Role
1.	Dr. Jitendra. G. Deuskar	M.S. (Gen. Surgery)	Chairperson *
2.	Dr. Pratibha Kulkarni	M.D. (Ob/Gyn)	Co-Chairperson *

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



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**INSTITUTIONAL ETHICS COMMITTEE**  
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**APPROVAL LETTER**

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To  
Dr. Shilpa Kalane  
Principal Investigator

Dear Dr. Shilpa Kalane

**Student Name**  
Mr. Satywan Kumbhar, Mr. Akash Mahamuni  
Miss. Sujata Thokal & Miss. Sukshamta Balure

**Guide Name**  
Dr. Mayuri Khaparde

Ref: your letter dated: - 28/11/2022

The Institutional Ethics Committee reviewed and discussed your application to review the Protocol entitled:-  
**To design, develop and validate of screening tool for minimizing Prescription error in neonates.**

DMHRC Code- PharmD\_2022\_Dec\_SK\_04


The following documents were reviewed:

Sr. No.	Document Name	Document Details (Version & Date)
1.	Protocol	Version 1 Dated 28 Nov 2022
2.	Budget Form	Dated 28 Nov 2022
3.	Data Collection Form	Version 1 Dated 28 Nov 2022
4.	Waiver of Consent	Dated 28 Nov 2022

The IEC approves the above documents in the presented form.

The following members of the Institutional Ethics Committee were present at the meeting held on  
**23<sup>rd</sup> December 2022 at 2:00 pm.** at Deenanath Mangeshkar Hospital and Research Centre.

Sr No	Name	Qualification	Role
1.	Dr. Jitendra. G. Deuskar	M.S. (Gen. Surgery)	Chairperson *
2.	Dr. Pratibha Kulkarni	M.D. (Ob/Gyn)	Co- Chairperson *

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

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**INSTITUTIONAL ETHICS COMMITTEE**  
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**DEENANATH MANGESHKAR HOSPITAL & RESEARCH CENTRE**  
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**APPROVAL LETTER**

(The Institutional Ethics Committee of Deenanath Mangeshkar Hospital & Research Centre works as per its Work Document and SOPs per provisions of Good Clinical Practices, ICMR Code 2000, Ethical Guidelines for Biomedical Research on Human Participants ICMR 2006 and 2017, Guidelines for Clinical Trials on Pharmaceutical Products in India, CDSCO, GSR 227 (1) New CT rules 2019.)

To  
Dr. Shilpa Kalane  
Principal Investigator

Dear Dr. Shilpa Kalane

**Student Name**  
Miss. Vaishnavee Deshmukh, Mr. Gaurav Memane  
Miss. Vaishnavi Panchariya & Mr. Vedant Patil

**Guide Name**  
Dr. Sunita Pawar

**Ref: your letter dated: - 28/11/2022**

The Institutional Ethics Committee reviewed and discussed your application to review the Protocol entitled:-  
**Design, development and validation of Screening tool for IV medications incompatibility in neonates.**

**DMHRC Code- PharmD\_2022\_Dec\_SK\_05**

The following documents were reviewed:

Sr. No.	Document Name	Document Details (Version & Date)
1.	Protocol	Version 1 Dated 28 Nov 2022
2.	Budget Form	Dated 28 Nov 2022
3.	Patient Profile Form	Version 1 Dated 28 Nov 2022
4.	Waiver of Consent	Dated 28 Nov 2022

The IEC approves the above documents in the presented form.


The following members of the Institutional Ethics Committee were present at the meeting held on  
**23<sup>rd</sup> December 2022 at 2:00 pm. at Deenanath Mangeshkar Hospital and Research Centre.**

Sr No	Name	Qualification	Role
1.	Dr. Jitendra. G. Deuskar	M.S. (Gen. Surgery)	Chairperson *
2.	Dr. Pratibha Kulkarni	M.D. (Ob/Gyn)	Co-Chairperson *

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

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 **INSTITUTIONAL ETHICS COMMITTEE**  
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**BIOMEDICAL AND HEALTH RESEARCH**  
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**DEENANATH MANGESHKAR HOSPITAL & RESEARCH CENTRE**  
ERANDAWANE, PUNE - 411 004, INDIA. TEL.NO. (91) 920 6602000, 40151000 FAX - (91) 920-25420104  
Email - iec2@dmhospital.org Website - www.dmhospital.org

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**APPROVAL LETTER**

(The Institutional Ethics Committee of Deenanath Mangeshkar Hospital & Research Centre works as per its Work Document and SOPs per provisions of Good Clinical Practices, ICMR Code 2000, Ethical Guidelines for Biomedical Research on Human Participants ICMR 2005 and 2017, Guidelines for Clinical Trials on Pharmaceutical Products in India, CDSCO, GSR 227 (E) New CE rules 2019.)

To  
Dr. Rahul Kulkarni  
Principal Investigator

Dear Dr. Rahul Kulkarni

**Student Name**  
Miss. Pranali Kumbhar, Mr. Harshal Jadhav,  
Miss Vaishnavi Chavan & Mr. Shubham Shewale

**Guide Name**  
Dr. Anjali Kumbhar


**Ref: your letter dated: - 28/11/2022**

The Institutional Ethics Committee reviewed and discussed your application to review the Protocol entitled:- **To evaluate the drug utilization and analysis of Anti-epileptic drugs at tertiary Care hospital.**

**DMHRC Code-** PharmD\_2022\_Dec\_RK\_07

The following documents were reviewed:

Sr. No.	Document Name	Document Details (Version & Date)
1.	Protocol	Version 1 Dated 28 Nov 2022
2.	English Assent	Version 1 Dated 28 Nov 2022
3.	Marathi Assent	Version 1 Dated 28 Nov 2022
4.	English Consent	Version 1 Dated 28 Nov 2022
5.	Marathi Consent	Version 1 Dated 28 Nov 2022

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

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**"STUDY OF ONSET TIME, RISK FACTORS, AND PRESCRIPTION  
PATTERN IN PATIENTS WITH STROKE"**

*Thesis submitted in the partial fulfillment for the degree of  
Pharm. D*

**(DOCTOR OF PHARMACY)**

**In the Faculty of Pharmaceutical Sciences  
SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE**



*Guided by*  
**Dr. Rajani B. Mali**

*Co-guided by*  
**Dr. Rahul V. Kulkarni**

*Submitted by*

**Ms. Pratiksha S. Bhoite  
Mr. Atharva P. Nanday**

**Mr. Swapnil P. Ghatule  
Mr. Sumeet B. Udawant**



**PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF PHARMACY,  
NIGDI, PUNE (2021-22)  
(ACCREDITED BY NAAC)**



**Principal**

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

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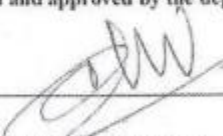






**"STUDY OF ONSET TIME, RISK FACTORS, AND PRESCRIPTION  
PATTERN IN PATIENTS WITH STROKE"**


**LETTER OF APPROVAL**


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


  
Dr. P. D. Chaudhari  
Principal,  
Professor and Head,  
Pharm. D. Programme


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

  
Dr. A. R. Kumbhar  
Assistant Professor,  
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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,  
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Mr. S. R. Savadekar  
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Dr. R. B. Mali,  
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PES's MODERN COLLEGE OF PHARMACY, NIGDI,  
PUNE- 44

(ACCREDITED BY NBA & NAAC)


CERTIFICATE BY THE GUIDE


This is to certify that the research work presented in this thesis entitled "Study of Onset Time, Risk Factors, and Prescription Pattern in Patients with Stroke" submitted for degree of Doctor of Pharmacy, is the record of research work carried out by Ms. Pratiksha S. Bhoite, Mr. Swapnil P. Ghatule, Mr. Atharva P. Nanday, and Mr. Sumeet B. Udawant under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 09/06/2023

Place: MCOP, Nigdi




  
Dr. R. B. Mali  
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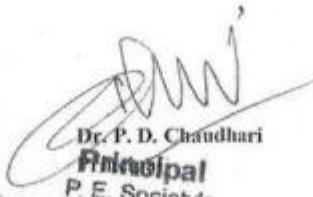
Dr. P. D. Chaudhari  
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Ex-Dean, Faculty of Pharmaceutical Sciences,  
Savitribai Phule Pune University, Pune.


**ENDORSEMENT BY THE PRINCIPAL**

This is to certify that the research presented in this thesis entitled, "Study of Onset Time, Risk Factors, and Prescription Pattern in Patients with Stroke" for Doctor of Pharmacy is a record of bonafide research work carried out by Ms. Pratiksha S. Bhoite, Mr. Swapnil P. Ghatule, Mr. Atharva P. Nanday, and Mr. Sumeet B. Udawant under the guidance of Dr. R. B. Mali at P.E.S. Modern College of Pharmacy, Nigdi, Pune 44 during the academic year 2022-2023.

Date: 09/06/2023  
Place: MCOP, Nigdi



  
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Dr. R. V. Kulkarni,

MBBS M.D. (Medicine),  
D.M. (Neurology), D.N.B. (Neurology),  
Honorary Consultant, Department of Neurology  
Deenanath Mangeshkar Hospital and Research Center Pune



**MODERN COLLEGE OF PHARMACY NIGDI, PUNE-44**  
**(ACCREDITED BY NBA & NAAC)**

**CERTIFICATE BY CO- GUIDE**

This is to certify that the thesis entitled "Study of Onset Time, Risk Factors, and Prescription Pattern in Patients with Stroke" submitted for degree of Doctor of Pharmacy, is the record of research work carried out by, Ms. Pratiksha S. Bhoite, Mr. Swapnil P. Ghatule, Mr. Atharva P. Nanday, and Mr. Sumeet B. Udawant under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 09/06/2023

Place: DMHRC, Pune



Dr. R. V. Kulkarni  
[MBBS, MD D.N.B.  
(Neurology)]

Honorary Consultant,  
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Reg. No.- 072903

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PES's MODERN COLLEGE OF PHARMACY, NIGDI, PUNE-44  
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Dr. S. B. Pawar  
Associate Professor,  
Head of the Department of Clinical  
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Yamunanagar, Nigdi, Pune- 44.

ENDORSEMENT BY THE HEAD OF THE DEPARTMENT

This is to certify that the research presented in this thesis entitled, "Study of Onset Time, Risk Factors, and Prescription Pattern in Patients with Stroke" for Doctor of Pharmacy is a record of bonafide research work carried out by Ms. Pratiksha S. Bhoite, Mr. Swapnil P. Ghatule, Mr. Atharva P. Nanday, and Mr. Sumeet B. Udawant under the guidance of Dr. R. B. Mali at P.E.S. Modern College of Pharmacy, Nigdi, Pune 44 during the academic year 2022-2023.

Date: 09/06/2023,  
Place: MCOP, Nigdi



Dr. S. B. Pawar  
Associate Professor  
HOD of Clinical Pharmacy

Principal  
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Pune - 411 044.

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SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION BY THE CANDIDATES

This is to state that the research work entitled "*STUDY OF ONSET TIME, RISK FACTORS, AND PRESCRIPTION PATTERN IN PATIENTS WITH STROKE*" for the degree of Pharm. D has not been submitted in parts or full to any other university by us. This is original work undertaken by us under the guidance of **Dr. R. B. Mali**, Assistant Professor, PES's Modern College of Pharmacy, Pune. Such materials as obtained from the other sources have been duly acknowledged in the thesis.

Date: 09/06/2023  
Place: MCOP, Nigdi

Ms. Pratiksha S. Bhoite

Mr. Swapnil P. Ghatule

Mr. Atharva P. Nanday



Mr. Sumeet B. Udawant  
Principal  
P.E.S. Modern College of Pharmacy  
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Pune - 411 044.

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**"Assessment of Anti-Microbial Agent Usage Pattern as Per  
the Given Susceptibility Testing Report"**

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

**In the faculty of pharmaceutical sciences**  
**SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE**



*Guided by*  
**Dr. Mayuri Khaparde**

*Co-guided by*  
**Dr. Ashwini Joshi**

*Submitted by*

**Ms. Divya Hagawane**  
**Ms. Aparna Awhad**

**Ms. Muskan Radhanpura**  
**Mr. Pranav Yelamkar**



**PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF PHARMACY,**  
**NIGDI, PUNE (2022-23)**  
**(ACCREDITED BY NAAC)**



*[Signature]*  
**Principal**  
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**Pune - 411 044.**

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

(ACCREDITED BY NBA & NAAC)

CERTIFICATE BY THE GUIDE

This is to certify that the research work presented in this thesis entitled "Assessment of Anti-Microbial agent usage pattern as per the given susceptibility testing report" submitted for degree of Doctor of Pharmacy, is the record of research work carried out by Ms. Divya Hagawane, Miss Muskan Radhanpura, Miss Aparna Awhad and Mr. Pranav Yelamkar under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Dr. Mayuri Khaparde

Date: 9/6/2023

Place: Nigdi

(Pharm. D)  
Assistant Professor  
Project Guide



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

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### DECLARATION BY THE CANDIDATES


This is to state that the research work entitled "*Assessment of Anti-Microbial agent usage pattern as per the given susceptibility testing report*" for the degree of Pharm. D has not been submitted in parts or full to any other university by us. This is original work undertaken by us under the guidance of **Dr Mayuri Khaparde**, Assistant Professor, PES's Modern College of Pharmacy, and Pune. Such materials as obtained from the other sources have been duly acknowledged in the thesis.

Date: 9/6/2023  
Place: Pune

  
Ms. Divya Hagawane

  
Ms. Muskan Radhanpura

  
Ms. Aparna Awhad

  
Mr. Pranav Yelamkar



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

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*"To Study Incidence, Cost Analysis and Drug Utilization Pattern of Anticoagulants in Patients with VTE"*

*Thesis submitted for the partial fulfilment of the degree of*  
**Pharm D**  
**(DOCTOR OF PHARMACY)**

**In the Department of Clinical Pharmacy**  
**SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE**



**Guided By**  
**Dr. Rajani Mali**

**Co-Guided By**  
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**Submitted By**

**Ms. Rachita Sanjeev Ranasubhe**  
**Ms. Saloni Anirudha Yadav**

**Mr. Sanket Prashant Talegaonkar**  
**Ms. Jagruti Umesh Yenpure**



**PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF**  
**PHARMACY,**

**NIGDI, PUNE (2022-23)**

**ACCREDITED BY NAAC**



**Principal**

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

*"To Study Incidence, Cost Analysis and Drug Utilization Pattern of Anticoagulants in Patients with VTE"*

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**PES's MODERN COLLEGE OF PHARMACY, NIGDI, PUNE- 44**  
**(ACCREDITED BY NBA & NAAC)**


**CERTIFICATE BY THE GUIDE**

This is to certify that the research work presented in this thesis entitled ***"TO STUDY INCIDENCE, COST ANALYSIS AND DRUG UTILIZATION PATTERN OF ANTICOAGULANTS IN PATIENTS WITH VTE"*** submitted for degree of **Doctor of Pharmacy**, is the record of research work carried out by **Ms. Rachita Sanjeev Ranasubhe, Mr. Sanket Prashant Talegaonkar, Ms. Saloni Anirudha Yadav and Ms. Jagruti Umesh Yenpure** under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

**Date: 09/06/2023**  
**Place: Nigdi, Pune.**

  
**Dr. Rajani B. Mali**  
Assistant Professor  
Research Guide



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

***"To Study Incidence, Cost Analysis and Drug Utilization Pattern of Anticoagulants in Patients with VTE"***

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DECLARATION BY THE CANDIDATES

This is to state that the research work entitled *"TO STUDY INCIDENCE, COST ANALYSIS AND DRUG UTILIZATION PATTERN OF ANTICOAGULANTS IN PATIENTS WITH VTE"* for the degree of Pharm. D has not been submitted in parts or full to any other university by us. This is original work undertaken by us under the guidance of **Dr. Rajani Mali**, Assistant Professor, PES's Modern College of Pharmacy, Pune and co- guide **Dr. Narendra Javadekar**, MBBS M. D. (MED), D.N.B. (MED), M.A. (ECONOMICS) (DMHRC - PI). Such materials as obtained from the other sources have been duly acknowledged in the thesis.

Date: 09/06/2023

Place: Nigdi, Pune.

Ms. Rachita Sanjeev Ranasubhe

Mr. Sanket Prashant Talegaonkar

Ms. Saloni Anirudha Yadav



Ms. Jagruti Umesh Yenpure  
Principal  
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Pune - 411 044.

*"To Study Incidence, Cost Analysis and Drug Utilization Pattern of Anticoagulants in Patients with VTE"*

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*"Assessment Of Drugs Dose Adjustment In Chronic Kidney Disease Patients In Tertiary Care Hospital"*

**Thesis Submitted In The Partial Fulfilment For The Degree Of  
Pharm D  
(DOCTOR OF PHARMACY)**

**In the faculty of pharmaceutical sciences  
SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE**



**Guided by:  
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M.D., D.N.B., M. Sc.**

**Submitted by:**

**Miss. Shweta R. Kendre  
Miss. Pranali S. Mahajan**

**Mr. Shiva L. Khanal  
Miss. Shraddha J. Nachane**



**PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF PHARMACY,**

**NIGDI, PUNE (2022-23)  
(ACCREDITED BY NAAC)**

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Pune - 411 044**

*"Assessment of drug dose adjustment in chronic kidney disease patients in tertiary care hospital"*

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

**(ACCREDITED BY NBA & NAAC)**

**CERTIFICATE BY THE GUIDE**

This is to certify that the research work presented in this thesis entitled "Assessment Of Drugs Dose Adjustment In Chronic Kidney Disease Patients In Tertiary Care Hospital" submitted for degree of **Doctor of Pharmacy**, is the record of research work carried out by **Miss. Shweta R. Kendre, Mr. Shiva L. Khanal, Miss. Pranali S. Mahajan and Miss. Shraddha J. Nachane** under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 09/08/2023

Place: Nigdi

  
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Pune - 411 044.

*"Assessment of drug dose adjustment in chronic kidney disease patients in tertiary care hospital"*

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DECLARATION BY THE CANDIDATES

This is to state that the research work entitled "*Assessment Of Drugs Dose Adjustment In Chronic Kidney Disease Patients In Tertiary Care Hospital*" the degree of Pharm.D has not been submitted in parts or full to any other university by us. This is original work undertaken by us under the guidance of **Dr. Rohini Chavan**, Assistant Professor, PES's Modern College of Pharmacy, Pune. Such materials as obtained from the other sources have been duly acknowledged in the thesis.

Date: 09/06/2023

Place: Pune

Miss. Shweta R. Kendre

Mr. Shiva L. Khanal

Miss. Pranali S. Mahajan

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"Assessment of drug dose adjustment in chronic kidney disease patients in tertiary care hospital"

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*"TO DESIGN, DEVELOP AND VALIDATE THE SCREENING TOOL FOR MINIMIZING  
PRESCRIPTION ERROR IN NEONATES"*

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

**In the Faculty of Pharmaceutical Sciences**  
**SAVITRIBAI PHULE PUNE UNIVERSITY,**  
**PUNE**



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*Co-guided by*

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*Submitted by*

**Mr. Satywan Rajendra Kumbhar**

**Mr. Akash Rajesh Mahamuni**

**Ms. Sujata Hanumant Thokal**

**Ms. Sukshamta Digambar Balure**



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**NIGDI, PUNE (2022-23)**  
**(ACCREDITED BY NBA & NAAC)**

*To design, develop and validate the screening tool for minimizing prescription errors in neonates*

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

**(ACCREDITED BY NBA & NAAC)**

**CERTIFICATE BY THE GUIDE**

This is to certify that the research work presented in this thesis entitled "To design , develop and validate the Screening tool for minimizing prescription error in neonates " submitted for degree of **Doctor of Pharmacy**, is the record of research work carried out by **Mr. Satywan Rajendra Kumbhar, Mr. Akash Rajesh Mahamuni, Ms. Sujata Hanumant Thokal, Ms. Sukshamta Digambar Balure** under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 09/06/2023

Place: Nigdi

**Dr. Mayuri. S. Khaparde**

**(Pharm . D)**

**Research Guide**



**Principal**  
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*To design, develop and validate the screening tool for minimizing prescription errors in neonates*

[Back to Index A](#)



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DECLARATION BY THE CANDIDATES

This is to state that the research work entitled "TO DESIGN, DEVELOP AND VALIDATE THE SCREENING TOOL FOR MINIMIZING PRESCRIPTION ERROR IN NEONATES" for the degree of PharmD has not been submitted in parts or full to any other university by us. This is original work undertaken by us under the guidance of Dr. Mayuri S. Khaparde, Assistant Professor, PES's Modern College of Pharmacy, Pune. Such materials as obtained from the other sources have been duly acknowledged in the thesis.

Date: 09/06/2023

Place: Pune

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Mr. Akash R. Mahamuni

Ms. Sujata H. Thokal

Ms. Sukshanta D. Balure



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

To design, develop and validate the screening tool for minimizing prescription errors in neonates

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S


**"DESIGN, DEVELOPMENT AND VALIDATION OF SCREENING TOOL FOR  
IV MEDICATIONS INCOMPATIBILITY IN NEONATES"**

*Thesis submitted in the partial fulfillment for the degree of  
Pharm. D*

**(DOCTOR OF PHARMACY)**

**In the faculty of Pharmaceutical Science**

**SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE**




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Dr. S. R. Pawar

*Co-guided by*  
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*Submitted by*


Ms. Vaishnavee Deshmukh  
Ms. Vaishnavi Pauchariya

Mr. Gaurav Memeane  
Mr. Vedant Patil



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(ACCREDITED BY NAAC)**






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Pune - 411 044.

\*Design, development and validation screening in neonates

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**PES's MODERN COLLEGE OF PHARMACY, NIGDI, PUNE- 44  
(ACCREDITED BY NBA & NAAC)**

**CERTIFICATE BY THE GUIDE**

This is to certify that the research work presented in this thesis entitled "*Design, Development and Validation of Screening Tool for IV medications incompatibility in Neonates*" submitted for degree of Doctor of Pharmacy, is the record of research work carried out by Miss. Vaishnavee Deshmukh, Mr. Gaurav Memane, Miss. Vaishnavi Panchariya, and Mr. Vedant Patil under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 09/06/2023  
Place: Nigdi

  
**Dr. S. B. Pawar**  
(Head & Associate Professor  
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Research Guide

  
  
**Principal**  
P.E.S. Modern College of Pharmacy  
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Pune - 411 044.

"Design, development and validation of screening tool for IV medications incompatibility in neonates"

[Back to Index A](#)



SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION BY THE CANDIDATES

This is to state that the research work entitled " Design, Development and Validation of Screening Tool for IV Medications Incompatibility in Neonates" for the degree of Pharm. D has not been submitted in parts or full to any other university by us. This is original work undertaken by us under the guidance of Dr. S. B. Pawar, Head & Associate Professor, Department of Pharm D, PES's Modern College of Pharmacy, Pune and co-guide Dr. Shilpa Kalane, MBBS D.N.B (PAED), Dr. N. B. (NEONATOLOGY) (DMHRC-PI). Such materials, as obtained from the other sources, have been duly acknowledged in the thesis.

Date: 09/06/2023  
Place: Pune

 Miss. Vaishnavi Deshmukh  
 Mr. Gaurav Memane  
 Miss. Vaishnavi Panchariya  
 Mr. Vedant Patil



  
Principal

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

"Design, development and validation of screening tool for IV medications incompatibility in neonates"

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**"TO EVALUATE THE DRUG UTILIZATION AND ANALYSIS OF  
ANTI-EPILEPTIC DRUG AT TERTIARY CARE HOSPITAL"**

Thesis submitted in the partial fulfillment for the degree of  
Pharm. D  
(DOCTOR OF PHARMACY)

In the faculty of pharmaceutical sciences  
SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



Guided by

Dr. Anjali Kumbhar

Co-guided by

Dr. Rahul Kulkarni

Submitted by

Miss. Purnali Anil Kumbhar

Miss. Vaishnavi Vajjnath Chavan

Mr. Harshad Nandu Jadhav

Mr. Shubham Vitthal Shewale



PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF PHARMACY,  
NIGDI, PUNE (2022-23)  
(ACCREDITED BY NAAC)



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

"To evaluate the drug utilization and analysis of anti-epileptic drugs at tertiary care hospital"

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

(ACCREDITED BY NBA & NAAC)


CERTIFICATE BY THE GUIDE

This is to certify that the research work presented in this thesis entitled "To evaluate the drug utilization and analysis of Anti-epileptic drugs at tertiary care hospital" submitted for degree of Doctor of Pharmacy, is the record of research work carried out by Miss. Pranali A Kumbhar, Mr. Harshal N Jadhav, Miss. Vaishnavi V Chavan, Mr. Shubham V Shewale under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 09/06/2023  
Place: Nigdi, Pune.

  
Dr. Anjali Kumbhar  
(Assistant professor)  
Research Guide



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

*"To evaluate the drug utilization and analysis of anti-epileptic drugs at tertiary care hospital"*

[Back to Index A](#)



SAVITRIBAI PHULE PUNE UNIVERSITY



**DECLARATION BY THE CANDIDATES**

This is to state that the research work entitled "To evaluate the drug utilization and analysis of anti-epileptic drugs at tertiary care hospital" for the degree of Pharm. D has not been submitted in parts or full to any other university by us. This is original work undertaken by us under the guidance of **Dr. Anjali Kumbhar**, Assistant Professor, PES's Modern College of Pharmacy, Pune. Such materials as obtained from the other sources have been duly acknowledged in the thesis.

Date: 09/06/2023  
Place: Pune

Miss. Pranali Anil Kumbhar

Mr. Harshal Nandu Jadhav

Miss. Vaishnavi Vaijnath Chavan

Mr. Shubham Vitthal Shewale



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

"To evaluate the drug utilization and analysis of anti-epileptic drugs at tertiary care hospital"

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



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



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

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



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

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## MOU with Elite Pharma Skills, Chinchwad, Pune

### Summary of activities under MOU

Sr no	Academic Year	Name of Activity	No of beneficiaries	Start Date	End Date
1	2019-2020	National level Conference	150	06/03/2020	06/03/2020

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**ELITE INSTITUTE OF PHARMA SKILLS**

Office No. 12, Shevale Complex, Opp. Elpro Main Gate,  
HDFC Bank Chowk, Behind Annapurna Restaurant, Chinchwad, Pune-411 033, Maharashtra, INDIA.  
MOB : +91- 702 804 2239/40 | WEBSITE : www.elite-pharmaskills.com  
info@elite-pharmaskills.com | regulatoryaffairs@elite-pharmaskills.com

Date: 07/07/2016

Memorandum of Understanding

This is the memorandum of understanding between Elite Institute of Pharma Skills, full address Office No. 12, Shevale complex, Opp. Elpro Main Gate, HDFC Bank Chowk, Behind Annapurna Restaurant, Chinchwad, Pune-411033 (hereinafter referred to as Elite) and P.E. Society's Modern College of Pharmacy, Sector 21, Yamanagar, Nigdi, Pune-411044 (hereinafter referred to as Modern).

Whereas Elite is involved in promoting awareness about Pharmacovigilance and related guidelines in India and conducting courses in the field of Pharmacovigilance and Clinical Research for students and professionals for creating a human resource who will be involved in the field of Pharmacovigilance and Clinical Research

Whereas Modern is involved in imparting education to students in the field of pharmaceutical sciences leading to Bachelor, Master or Doctoral degree in pharmaceutical sciences.

**1. Objective**

Elite and Modern will jointly conduct Certification courses in Pharmacovigilance and Clinical Research leading to proficiency in regulatory guidelines and various related software.

**2. Responsibilities**

**2.1 Elite**

- 2.1.1 Elite will provide Resource persons for covering the course content.
- 2.1.2 Elite will conduct Classroom training or training through any other mode.
- 2.1.3 Elite will provide learning resources as needed.
- 2.1.4 Elite will evaluate the course participants for proficiency in course content.

**2.2 Modern**

- 2.2.1 The faculty of Modern will be involved in Design of course content.
- 2.2.2 Modern will provide/arrange for the students/participants who want to attend the course.
- 2.2.3 Modern will provide the infrastructure for conducting classroom or other sessions.

**2.3 Elite and Modern**

- 2.3.1 Elite and Modern will issue the "Certificate of Completion" to all participants.

**3. Financial Arrangements**

The financial arrangements between Elite and Modern will be decided in mutual agreement.



Principal



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

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**Elite**  
Institute of Pharma Skills  
Carving Global Pharma Professionals

**ELITE INSTITUTE OF PHARMA SKILLS**  
Office No. 12, Shreeji Complex, Opp. Epro Main Gate,  
HDFC Bank Chowk, Behind Annapurna Restaurant, Chinchwad Ghaty,  
Chinchwad, Pune - 411 033, Maharashtra, INDIA.  
MOB - +91-702-804-2229/40 | WEBSITE - www.elite-pharmaskills.com  
info@elite-pharmaskills.com | regulatorycareer@elite-pharmaskills.com

4. Term of agreement  
4.1 This agreement will be in force for a period of five years from the date of execution.

5. Termination  
5.1 This agreement may be terminated by either Elite or Modern after providing a notice of 30 days.

6.  Elite is the registered trademark of Elite and its use is not permitted without prior authorization

For Elite Institute of Pharma Skills, Chinchwad, Pune.  
Mrs. Archana D. Gawade  
Date: 07.07.2016



For Modern College of Pharmacy, Nigdi, Pune.  
Dr. P D Chaudhari  
Date: 07.07.2016

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



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#### ELITE INSTITUTE OF PHARMA SKILLS

Office No. 211, 2<sup>nd</sup> Floor, Laxmi Complex, Near Big Bazar,  
Off Pune Bombay Highway, Chinchwad, Pune 411019.  
MOB – 7028042239 / 9767901050  
WEBSITE – [www.elite-pharmaskills.com](http://www.elite-pharmaskills.com)  
[info@elite-pharmaskills.com](mailto:info@elite-pharmaskills.com) | [regulatorycareer@elite-pharmaskills.com](mailto:regulatorycareer@elite-pharmaskills.com)

### Memorandum of Understanding

Date of MOU: 07.07.2016

Duration: 07.07.2016 to 06/07/2021 (5 years)

Renewal date: 05/07/2021

Duration: 05/07/2021 to 04/07/2031 (10 years)

This is the memorandum of understanding between Elite Institute of Pharma Skills, full address Office No. 211, Laxmi complex, Off Pune Bombay Old highway, Chinchwad, Pune-411019 (hereinafter referred to as Elite) and P.E Society's Modern College of Pharmacy, Sector 21, Yamunanagar, Nigdi, Pune-411044 (hereinafter referred to as Modern).

Whereas Elite is involved in promoting awareness about Pharmacovigilance and related guidelines in India and conducting courses in the field of Pharmacovigilance and Clinical Research for students and professionals for creating a human resource who will be involved in the field of Pharmacovigilance and Clinical Research

Whereas Modern is involved in imparting education to students in the field of pharmaceutical sciences leading to Bachelor, Master or Doctoral degree in pharmaceutical sciences.

#### 1. Objective

Elite and Modern will jointly conduct Certification courses in Pharmacovigilance and Clinical Research leading to proficiency in regulatory guidelines and various related software. Both parties will involve in arranging guest lectures, sharing Library facilities, Seeking feedback on curriculum, co-curricular and extracurricular activities, Co-organizing Seminar, Conferences and Workshops.


#### 2. Responsibilities

##### 2.1 Elite

2.1.1 Elite will provide Resource persons for covering the course content.

2.1.2 Elite will conduct Classroom training or training through any other mode.



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

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#### ELITE INSTITUTE OF PHARMA SKILLS

Office No. 211, 2<sup>nd</sup> Floor, Laxmi Complex, Near Big Bazar,  
Off Pune Bombay Highway, Chinchwad, Pune 411019.  
MOB – 7028042239 / 9767901050  
WEBSITE – [www.elite-pharmaskills.com](http://www.elite-pharmaskills.com)  
[info@elite-pharmaskills.com](mailto:info@elite-pharmaskills.com) / [regulatorycareer@elite-pharmaskills.com](mailto:regulatorycareer@elite-pharmaskills.com)

- 2.1.3 Elite will provide learning resources as needed.
- 2.1.4 Elite will evaluate the course participants for proficiency in course content.
- 2.1.5 Elite will involve in arranging guest lectures, sharing Library facilities, Seeking feedback on curriculum, co-curricular and extracurricular activities,
- 2.1.6. Elite will involve in Co-organizing Seminar, Conferences and Workshops.

#### 2.2 Modern

- 2.2.1 The faculty of Modern will be involved in Design of course content.
- 2.2.2 Modern will provide/arrange for the students/participants who want to attend the course.
- 2.2.3 Modern will provide the infrastructure for conducting classroom or other sessions.
- 2.1.4 Modern will involve in arranging guest lectures, sharing Library facilities, Seeking feedback on curriculum, co-curricular and extracurricular activities,
- 2.1.5. Modern will involve in Co-organizing Seminar, Conferences and Workshops.

#### 2.3 Elite and Modern

- 2.3.1 Elite and Modern will issue the "Certificate of Completion" to all participants.

#### 3. Financial Arrangements

- 3.1 The financial arrangements between Elite and Modern will be decided in mutual agreement.

#### 4. Term of agreement

- 4.1 This agreement will be in force for a period of Ten years from the date of execution.

#### 5. Termination

- 5.1 This agreement may be terminated by either Elite or Modern after providing a notice of 30 days.
- 5.2.  is the registered trademark of Elite and its use is not permitted without prior authorization



  
Principal

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Sector No.21, Yamunanagar, Nigdi  
Pune - 411044

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### ELITE INSTITUTE OF PHARMA SKILLS

Office No. 211, 2<sup>nd</sup> Floor, Laxmi Complex, Near Big Bazar,  
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MOB - 7028042239 / 9767901050  
WEBSITE - [www.elite-pharmaskills.com](http://www.elite-pharmaskills.com)  
[info@elite-pharmaskills.com](mailto:info@elite-pharmaskills.com) | [regulatorycareer@elite-pharmaskills.com](mailto:regulatorycareer@elite-pharmaskills.com)

For Elite Institute of Pharma Skills, Chinchwad, Pune.

Mrs. Archana D. Gawade

Co-founder and Director

Laxmi Complex, Office No. 211, Second Floor, Off, Old Mumbai Rd, near Big Bazar, Pimpri Colony, Pimpri-Chinchwad, Maharashtra 411019

Email ID: [pharmaskills.elite@gmail.com](mailto:pharmaskills.elite@gmail.com)

Contact: 9767901050

Date: 05.07.2021

For Modern College of Pharmacy, Nigdi, Pune.

Dr. Pravin D. Chaudhari

Principal and Professor

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

Email ID: [pdchaudhari21@rediffmail.com](mailto:pdchaudhari21@rediffmail.com)

Contact: 9850179873

Date: 05.07.2021



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2019-2020

Progressive Education Society's  
Modern college of Pharmacy, Nigdi, Pune-44

Academic Year 2019-20

REPORT FOR NATIONAL LEVEL CONFERENCE

Title of Conference: "Medical Coding and E-Poster competition"

Level of Conference: National Level

Date: 06/02/2020

Total no of Participant: 150

Details of resource persons with topic for talk

Session/ Time	Resource person	Title of talk
10:00 am to 10:30 am		Inauguration key note address
Session 1 10.30 am to 11:30 am	Mr. Chetan P. Gawali, Team Leader, 3Gen Consulting services Pune.	Current scenario and future scope in medical coding
Session 2 11.30 am to 12.30 pm	Mr. Prasad Khairnar Quality Auditor, HIM Coding Experts Pune.	Medical coding certification
Session 3 12.30 pm to 01.00 pm	Mrs. Archana D. Gawade Director, Elite Institute of Pharma Skills Pune.	Soft skill development in medical coding
E- Poster Details		
E-Poster competition 2:00 pm to 4 pm	1. Hall A Evaluator: Dr. Sachin B. Agawane, Principal Scientist, Biochemical Science Division, CSIR-National Chemical Laboratory Pashan Road, Pune  2. Hall B Evaluator: Dr. Lata Kothapalli, Professor Dr. D. Y. Patil Institute of Pharmaceutical Sciences & Research, Pimpri, Pune  3. Hall C Evaluator: Ms. Nirvi Gandhi, Head Formulation Dept. Nulife Pharmaceutical Pvt Ltd, Pune  4. Hall D Evaluator: Dr. Pravin S. Uttekar, Associate Professor, Trinity college of Pharmacy, Pune	
4.00 pm to 4.30 pm	Valedictory and prize distribution function	



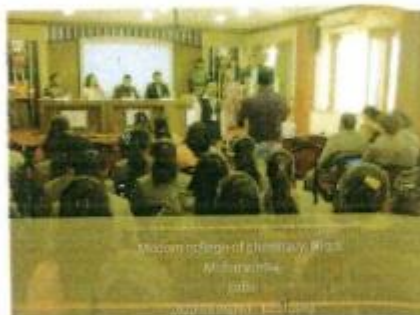
Principal  
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Pune - 411 044

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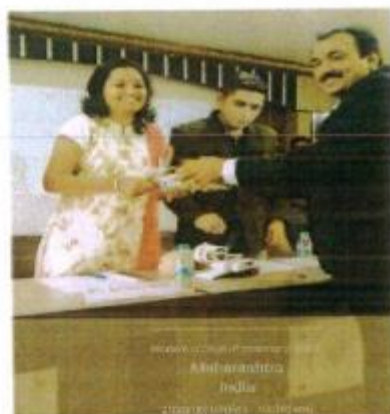
Photo of conference



Inauguration



Key note address




Felicitation of Archana Gawde



Participant in conference



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

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Dr Lata Kotapalli as a Evaluator



Dr Prasad Khairnar as Speaker




Dr Nirvi Gandhi as a Evaluator



Dr P S Uttekar as a Evaluator




Falicitation to Dr Prasad Khairnar

  
Dr. V V Chopade  
Coordinator



Vote of Thanks



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

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**National Conference**

**Elite**  
Institute of Pharma Skills  
Carving Global Pharma Professionals

**RECENT TRENDS IN MEDICAL CODING  
&  
E-Poster competition**


Venue: Seminal Hall  
Modern college of Pharmacy,  
Nigdi Pune

Date: 6<sup>th</sup> March 2020

Media and Partner  
**Elite Institute of Pharma Skills**  
One stop solution for job in healthcare industry


Shewale Complex, Opposite Elpro Main Gate, HDFC Bank Chowk Chinchwad Gaon,  
behind Annapurna Hotel, Maharashtra 411033  
Phone: 070280 42239

Organized By

 Progressive Education Society's  
**Modern College of Pharmacy**

Recognized by Maharashtra State Pharmacy Council, Approved by All India Council for Technical Education (AICTE), Pharmacy Council of India (PCI) and  
State of Maharashtra (SOS), Registered in MS, under Section 26A of 1930 of MS, incorporated by Act 1984.

Sector: 21, Yamunanagar, Nigdi, Pune- 411 044. Telephone: +91-20-27661315 Fax: +91-20-27661314  
URL: www.mcop.org.in, Email: mcpnigdi44@gmail.com

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

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## CHIEF PATRON

Dr. Prof. G. R. Ekbote

Chairman, Business Council,  
Progressive Education Society, Pune



# ATIONS

Prof. S. S. [redacted] Mukh, Secretary, Progressive Education Society,  
Prof. G. [redacted] Choudhary, Secretary, Progressive Education Society, Pune  
Prof. [redacted] Ash Tond, Joint Secretary, Progressive Education Society, Pune  
Prof. S. D. [redacted] R, Dy. Secretary, Progressive Education Society,  
Dr. [redacted] Kar, V. [redacted] Modern College of Pharmacy, Nidhi

## Committee

Dr. S. B. Jadhav  
Dr. A. A. Phatak  
Dr. D. D. Bandawane  
Dr. K. S. Shalkh  
Dr. S. S. Pimple  
Dr. B. P. Pimple (Mobile: 9970830030)  
E-mail: conf.mcp2020@gmail.com

### Organizing Committee

Dr. A. R. Balap	Dr. M. T. Harde
Dr. P. M. Patil	Dr. A. S. Tapkir
Mr. S. Y. Chaudhari	Prof. R. A. Jinturkar
Prof. S. S. Phadtare	Prof. P. G. Zori
Dr. N. B. Parihar	Dr. A. R. Kumbhar
Dr. P. R. Kela	Dr. U. S. Desai

For Registration Contact

Dr. N. B. Parihar (Mobile: 8890889585)  
Dr. P. R. Kela (Mobile: 7588417833) E-mail: reg.mcp2020@gmail.com

For Accommodation Contact

Dr. S. Y Chaudhari (Mobile: 9403312322)  
E-mail: accommodation.mcp2020@gmail.com

## CONVENER

Dr. Pravin D. Chaudhari

From a House of Lords: new Day of Remembrance for 40,000  
Prisoners, APN Central

See the list of documents that will be in this file.

## CO-ORDINATOR

Dr. Vitthal V. Chopade (Mobile: 9545452767)

Associate Professor,  
Department of Pharmaceutical Chemistry  
Modern college of Pharmacy, Noida, U.P.

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



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### ABOUT THE SOCIETY

Progressive Education Society was established in the year 1934 by Prof. Shankarraji Kanitkar, who was a veteran teacher and a social worker. The society was established with an aim to provide education to all sectors of the community. Today, P. E. Society is headed by Hon. Dr. G. R. Ekbote who is the Chairman of Business Council of Progressive Education Society. Under his able guidance, P. E. Society is running 58 institutes including schools, colleges and technical institutions imparting quality education from K. G. to Ph. D in the field of Pharmacy, Engineering, Law, Education, Agricultural Biotechnology and Management. The society is committed for the cause of the people since its inception.

### ABOUT THE COLLEGE

Modern College of Pharmacy was established in 1998 by P. E. Society at Yamunanagar, Nigdi in the close proximity of the industrial belt of Pimpri - Chinchwad. The name of Society and that of our college typifies the Society's mission to be "Progressive" in education and "Modern" in technical knowledge. The college has carved out a special niche for imparting quality education in pharmacy. Our College is approved by Government of Maharashtra (DTE), All India Council for Technical Education (AICTE) and Pharmacy Council of India. It is permanently affiliated to Savitribai Phule Pune University. College is accredited by NAAC & NBA and recognized under 2f and 12(B) by UGC, New Delhi. Under the able leadership of Principal Dr. P. D. Chaudhari, college offers B.Pharmacy, Pharm. D, M. Pharmacy (Pharmaceutics, Pharmaceutical Chemistry, Pharmacology & Pharmaceutical Quality Assurance) and Ph. D in Pharmaceutics, Pharmaceutical Chemistry and Pharmacology. The college has secured All India Rank 74 in NIRF Ranking 2019 in Pharmacy Category. The college has been awarded as "Best College in Professional Colleges' Category" by Savitribai Phule Pune University in 2015-2016.

### ABOUT ELITE INSTITUTE OF PHARMA SKILLS PUNE

Elite Institute of Pharma Skills is a premier institute at Pune location. They are carving out global pharma professionals in the field of Regulatory Affairs, Pharmacovigilance, Clinical research and medical coding. This is done through the highly effective skill development training programs conducted all over Maharashtra by the assorted experts from industry. They provide aspirants with the better approach in many fields and make them a industry ready candidates.

### SCOPE OF CONFERENCE

Medical coding is the translation of medical reports into a short code used within the healthcare industry. This helps to summarize medical reports into efficient, data-friendly codes. While complex and detail-driven, medical coding really comes down to knowing how to navigate the three main code sets: CPT, ICD, and HCPCS. These code sets help coders document the condition of a patient and describe the medical procedure performed on that patient in response to their condition. Through this conference We'll train you to recognize how code set is organized and how each should be used.

### OBJECTIVES OF CONFERENCE

- 1) To provide knowledge in medical coding in healthcare industry
- 2) To provide a platform for job opportunities in medical coding department
- 3) To get exposure for presenting E-Poster
- 4) Sharing the knowledge

### REGISTRATION

The conference is mainly for the B. Pharm, Pharm D, M. Pharm & Ph. D scholars from various Institutes, research laboratories and industry of pharmaceutical, medical, Ayurvedic, biotechnological and other streams of healthcare profession. The registration fees are:

- For Industry Person - Rs. 500/-
- For Academician - Rs. 400/-
- For B. Pharm, Pharm D, M. Pharm & Ph. D scholars - Rs. 300/-

Registration fee is non-refundable. Registration fee includes a kit, access to all sessions, tea/coffee and lunch. Enrollment is restricted to 500 participants and therefore application will be acceptable on first come first serve basis. Accommodation will be charged extra. Scan copy of the duly filled registration form and NEFT/RTGS G-Pay receipt should be sent to reg.mcp2020@gmail.com.

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## E-Poster/Oral Presentation ( Only for students)

The E-poster competition will be held on all topics related to pharmaceutical sciences. Abstracts are invited for E-poster / oral presentation and should be sent by e-mail on or before 3-03-2020 to the mail ID: conf.mcp2020@gmail.com. The Scientific Committee will review the submitted abstracts and the presenting author will be informed about the acceptance and non-acceptance by email. The presenting author will have to register as participant on or before 03-03-2020. The decision of the Scientific Committee will be final in this regard. Certificate of presentation, will be given to the all presenting author only. E-Poster must be prepared in PPT or PDF only. The time for each oral presentation is 5 min, followed by 5 min for discussion. A structured abstract not exceeding 250 words should be arranged, under the following headings, in one paragraph: Purpose, Methods, Results and Conclusions with keywords. All Presentation will be evaluate by Evaluator and cash prize, trophy and ranking certificate will be given to presenting author only

First cash prize: 3000/- Second cash prize: 2000/- and Third cash prize: 1000/-

## Program Schedule

Friday, 6<sup>th</sup> March 2020

09.00 am to 10.00 am	- Registration, Breakfast and Tea
10.00 am to 10.30 am	- Inauguration
10.30 am to 11.00 am	- Keynote address
11.00 am to 12.00 pm	- Session - I
12.00 pm to 01.00 pm	- Session - II
01.00 pm to 02.00 pm	- Lunch Break
02.00 pm to 04.00 pm	- E- Poster Presentation
04.00 pm to 05.00 pm	- Valedictory Function & Prize distribution

## Resource Persons

Mr. Chetan P. Gawali  
Team Leader,  
JGen Consulting services Pune.

Mr. Kiran Pawale  
Subject Matter Expert,  
IKS Health Pune.

Mrs. Archana D. Gawade  
Director,  
Elite Institute of Pharma Skills Pune.

Mr. Prasad Khairnar  
Quality Auditor,  
HIM Coding Experts Pune.



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

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**REGISTRATION FORM**

TO,  
The Principal  
Progressive Education Society's Modern College of Pharmacy,  
Yamunanagar, Nigdi, Pune - 44.

National Conference and E-Poster competition  
in association with Elite Institute of Pharma Skills Pune.  
ON  
**RECENT TRENDS IN MEDICAL CODING**  
Dates: 6<sup>th</sup> March 2020

I wish to register as **Attendee/E- Poster Presenter** (Tick appropriate option)

1. Name : Mr./Mrs./Ms./Prof. ....

2. Name & Address of Institute : .....

3. Qualification & Designation : .....

4. Address for Communication : .....

Signature : Mobile : E-mail :

5. Registration Fees by Cash/RTGS/NEFT

Transaction ID: Date:

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

**Bank Details for RTGS/NEFT :**  
Account Holder : PES Modern College of Pharmacy, Nigdi  
Account Number: 20124100370  
Name of Bank : Bank of Maharashtra  
Branch : Yamunanagar, Pune  
IFSC Code : MAHB0001132  
MICR Code : 411014076

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Sr no	Name of Delegates	Name of Institute	Designation	Qualification	E-mail ID and Contact no	Sign
1	Lomate Pratiksha Eknoth Spot	S.M.B.T. College of Pharmacy, Nashik.	Final yr. 1 B. Pharm.	B. Pharm	pratiksha.lomate1999 @gmail.com	
2	Ranade Prachi Spot	S.M.B.T. college of Pharmacy, Nashik.	And yr. 3 B. ph	B. Pharm	prachiranade01@ gmail.com	
3	Khadke Rutuja Nandikisnu Spot	S.M.B.T. college of Pharmacy, Nashik	Final yr. 4 B. ph	B. Pharmacy	rutujakhadke90@gmail.com	
4	Mithe Priyanka Kailas Spot	S.M.B.T. college of Pharmacy, Nashik	Final yr. B. ph. 2	B. Pharm	priyankamithec01@ gmail.com	
5	Karade Arshwarya vijay Spot	S.M.B.T. college of Pharmacy, Nashik	Final yr. 6 B. Pharm	B. Pharm	arashkarade1988@gmail.com	
6	Tundre Poonam Kailas Spot	S.M.B.T. college of Pharmacy, Nashik	Final yr. 6 B. Pharm	B. Pharm	Poonamtundre1417 @gmail.com	
7	Meyha V. Hanger	S.V.P. Siddhi college of Pharmacy, Nashik	Final yr. 12 B. Pharm	B. Pharm	megha.v.hanger@gmail.com	



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

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P. E. Society's  
Modern College of Pharmacy, Nigdi, Pune-44.  
2019 - 2020  
National Conference and E-Poster competition in association with Elite Institute of Pharma Skills Pune.  
On 6<sup>th</sup> March 2020

### "RECENT TRENDS IN MEDICAL CODING"

#### DELEGATES INFORMATION

Sr no	Name of Delegates	Name of Institute	Designation	Qualification	E-mail-ID and Contact no	Sign
1.	Prof. Subhash Chate spot	Dr. D.Y. Patil Pharmaceutical SCIENCE and Research, PUNE.	18	Assistant Professor	chatesubhash32@gmail.com 976623086	
2.	Dhanraj Patil	—  —	14	Pharm D	dhanrajpatil243@gmail.com 9112990299	
3.	Shadab Sheikh	—  —	19	Pharm D	Shadab.sheikh@gmail.com 7887460468	
4.	Prince Rituraj	—  —	21	Pharm D	princerituraj1999@gmail.com 7091449101	



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

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Sr no	Name of Delegates	Name of Institute	Designation	Qualification	E-mail-ID and Contact no	Sign
8	Vidhya P Thorat	S.S.P. Siddhi college of pharmacy chitkodi	Asst Prof 123	M. Pharm	thoratythya@gmail.com	
9	Shruti Talmale	D.D.Y. Padil college of Pharmacy, Akurdi	Asst Prof 61	M. Pharm	shrutitalmale06@gmail.com	
10	Ganeshwar Aniket	—	Student 62	m. Pharm	aniketganeshwar05@gmail.com	
11	Pavitra Mahesh	Indira College of Pharmacy	Student	Pharm D	pavitramahesh@gmail.com	
12	Damini Kolhe	Indira College of Pharmacy	Student	Pharm D	damini10kolhe@gmail.com	
13	Ragini Mathdema	Siddhant College of Pharmacy	Student 84	B. Pharm	ragini.mathdema@gmail.com	
14	Bangor Bhagayshri	—	Student 85	B. Pharm	bangorbhagayshri2505@gmail.com	

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

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Sr no	Name of Delegates	Name of Institute	Designation	Qualification	E-mail ID and Contact no	Sign
15	Jyoti Vilas Varpe Chopade	Amrutvahini College of Pharmacy	B. Pharm	T.Y. 113	jyotivarpe1999@	
16	Nikita Somnath Kute Chopade	Amrutvahini College of Pharmacy	B. Pharm	T.Y. 117	nikitakute2018@	
17	Kamal Tejswini Ashok Chopade	Amrutvahini College of Pharmacy	B. Pharm	T.Y. 119	kamaltejswini25@ gmail.com	
18	Shubham Shubham Satish Chopade	Amrutvahini College of Pharmacy	B. Pharm	T.Y. 121	shubhamjia322@gmail. com	
19	Hande Mayuri Subhash Chopade	Amrutvahini College of Pharmacy	B. Pharm	T.Y. 114	mayurihande1101@gmail. com	
20	Yadav Gulshan Kailash Chopade	Amrutvahini College of Pharmacy	B. Pharm	T.Y. 118	Gulshan.kyadav1999@ pim	
21	Havre Anshwini Rajendra Chopade	Amrutvahini College of Pharmacy	B. Pharm	T.Y. 112	anshinicva1912@ gmail.com	

Principal

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

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## MOU with Callidus Research Laboratory PvtLtd.,Pune

### Summary of activities under MOU

Sr no	Academic Year	Name of Activity	No of beneficiaries	Start Date	End Date
1.	2018-2019	Faculty industrial training	03	27/05/2018	06/06/2018
		Student industrial project	06	04/06/2018	20/05/2019
		Industrial visit	22	02/03/2019	02/03/2019
2.	2019-2020	Industrial visit	22	29/02/2020	29/02/2020
		Faculty industrial training	5	27/05/2019	08/06/2019
3.	2020-2021	Collaborative Research	1	04/10/2019	12/12/2020
		Faculty industrial training	3	03/05/2021	30/05/2021
4.	2021-2022	Faculty industrial training	1	01/06/2021	06/06/2021
		Internship	01	03/01/2022	11/02/2022
		Student industrial project	01	27/09/2021	01/06/2022
5	2022-2023	Faculty industrial training	03	22/10/2022	29/10/2022

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### MEMORANDUM OF UNDERSTANDING

P. E. Society's Modern College of Pharmacy, Sector no-21, Yamunanagar, Nigdi, Pune-44 herein referred as the **FIRST PARTY** (which term unless the context otherwise requires shall include its representatives, successors of assignees of first party)

Callidus Research Laboratories Pvt. Ltd, herein after referred as the **SECOND PARTY** (which term unless the context otherwise requires shall include its representatives, successors of assignees of second party)

### PREAMBLE

- **P. E. Society's Modern College of Pharmacy, Nigdi, Pune-411044**

It is a premium institute imparting education in Pharmaceutical Sciences as well as carrying out research in Pharmaceutical Science. It is recognized by the AICTE, PCI and permanently affiliated to Savitribai Phule Pune University. The Institute is approved under Section 2(f) and 12(B) of the UGC Act, 1956 and is accredited by NAAC, India. The institute is awarded as a Best College in Professional Colleges category by Savitribai Phule Pune University. The institute is recognized as a Ph.D. research centre in Pharmaceutics, Pharmaceutical Chemistry and Pharmacology by Savitribai Phule Pune University. Due to the dedicated and competent faculty, up-dated curriculum, innovative methods of instructions and excellent laboratory facilities, it has been attracting students from all over India and outside. The library is enriched with Chemical Abstracts (1907-1986) and has subscribed to



Page 1 of 4

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

*Callidus Research Laboratories Pvt. Ltd.*

PAP-A-29/1, Chakan Industrial Area Phase IV, Village - Nighoje, Tal. Khed, Dist. Pune - 410 501. (India)  
Tel : + 91 -20-69000144 E-mail : info@calliduslabs.com Website : www.calliduslabs.com

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more than 3900 e-journals. The college has also subscribed to various national programs such as, National Program on Technology Enhanced Learning (NPTEL) and National Library and Information Services Infrastructure for Scholarly Content NLIST a Program at INFLIBNET. The college library has maintained a well furnished language laboratory and audio-visual room. The college has well equipped research laboratories and the faculty and the students have undertaken various research projects in major thrust areas in Pharmacy and allied sciences.

• **Callidus Research Laboratories Pvt. Ltd,**

Callidus Research Laboratories Pvt. Ltd. is a Leading Pharmaceutical research and Development company of India, established by a team of techno-entrepreneurs having vast experience in the globally reputed pharmaceutical industry focused on pharmaceutical drug product development and technology transfer to manufacturing site across the globe.

It provides challenging solutions to generic as well as brand companies to develop and establish new technology platforms.

The research activities at Callidus research Labs are conducted in a state of the art modern R&D facility set up with a vast scientific knowledge pool conforming to international standards.

The state of art pharmaceutical research and development facility is spread over 8000sq.ft (720squaremeter) built as per international standards.

Callidus Research Labs has adequate equipment and instruments to carry out research and development activities with highest quality standards.

**GOALS AND OBJECTIVES**

Whereas the FIRST PARTY is engaged in teaching and research in Pharmaceutical Science,

Whereas the SECOND PARTY is Pharmaceutical research and Development Company works as a contract research organization, Regulatory Affairs, Quality Assurance, Audits, Technical and Training.

The FIRST PARTY and the SECOND PARTY have agreed to hire the services and facilities available with FIRST PARTY and SECOND PARTY to take up joint Research and Development (R & D) projects and training modules.



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

**Callidus Research Laboratories Pvt. Ltd.**

PAP-A-29/1, Chakan Industrial Area Phase IV, Village - Nighoje, Tal. Khed, Dist. Pune - 410 501. (India)  
Tel : + 91 -20-69000144 E-mail : info@calliduslabs.com Website : www.calliduslabs.com

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The SECOND PARTY has agreed to share their expertise and facilities with the students and faculty of FIRST PARTY. The SECOND PARTY has also agreed to allow the hands-on training and industrial projects to the Undergraduate and Post graduate students of FIRST PARTY and support the training and placements activities of FIRST PARTY.

Both the parties have agreed to work on the research projects in the areas of mutual interest such as-

- Formulation and development
- Novel Drug delivery system.
- Drug Regulatory Affairs
- Drug Dissolution studies, Diffusion studies etc.
- Biotechnology based products
- Pharmacological activities and Animal toxicity studies.

Now this deed of MOU is agreed by and between the parties under following terms and condition for 3 Years from the date of Signature:

**TERMS AND CONDITIONS:**

- a) The R& D work and special lectures of the modules/courses of **BOTH PARTIES** will be taken up at the premises of **BOTH THE PARTIES** as per the program of work mutually agreed upon.
- b) The **SECOND PARTY** shall provide required materials such as chemicals, polymers and others for the purpose of study along with the relevant data on such materials.
- c) **BOTH THE PARTY** may allot such joint projects to M.Pharm or Ph.D. students with the help of the staff and students of their organization. The required equipment for carrying out the R & D activity other than those available with **FIRST PARTY** and are to be made available by **SECOND PARTY and Vice Versa** or suitable assistance shall be borne by the **BOTH THE PARTIES** for getting such work done.



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**Principal**

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

*Callidus Research Laboratories Pvt. Ltd.*

PAP-A-29/1, Chakan Industrial Area Phase IV, Village - Nighoje, Tal. Khed, Dist. Pune - 410 501. (India)  
Tel : + 91 -20-69000144 E-mail : info@calliduslabs.com Website : www.calliduslabs.com

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- d) The funds for such R&D work shall be obtained through respective research councils by individual/joint application of research proposals and shall be used to support mutually agreed projects activities.
- e) The faculty, students and employees from both parties can freely interact on the joint research project. The faculty and the students can share the Laboratory and Instrumental facilities for smooth functioning of the project.
- f) The findings of the research work shall be published or patent jointly by the parties.
- g) If the results of this joint project are able to attract commercial utilization, then the financial benefit shall be shared between the two parties equally or through any mutually agreed arrangements.
- h) All joint projects shall be reviewed every six months by joint committee appointed for the purpose by the two institutes in order to advice on the future course of each project. Collaborating researchers from both sides are expected to make presentations at such meeting along with submitting a summarized account of the work carried out for that period. The joint committee is also entrusted with the responsibility of suggesting any remedial measures for ensuring success of each project.
- i) Any dispute arising shall be settled through mutual negotiations only without recourse to resolving the dispute by legal means.

Signed on –

  
Dr. P.D. Chaudhari  
Principal

  
Director

PES Modern college of Pharmacy, Nigdi, Pune

Callidus Research Laboratories Pvt. Ltd.

Date: 20/06/2016



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Principal

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

Callidus Research Laboratories Pvt. Ltd.

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#### MEMORANDUM OF UNDERSTANDING


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



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**Callidus Research Laboratories Pvt. Ltd.**

Plot No. PAP-A-29/1, Chakan Industrial Area Phase IV, Village - Nigohje, Tal. Khed, Dist. Pune - 410 501, Maharashtra, (India)  
Tel : + 91 -9970004680, E-mail : info@calliduslabs.com, Website : www.calliduslabs.com

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more than 3900 e-journals. The college has also subscribed to various national programs such as, National Program on Technology Enhanced Learning (NPTEL) and National Library and Information Services Infrastructure for Scholarly Content NLIST a Program at INFLIBNET. The college library has maintained a well-furnished language laboratory and audio-visual room. The college has well equipped research laboratories and the faculty and the students have undertaken various research projects in major thrust areas in Pharmacy and allied sciences.

• **Callidus Research Laboratories Pvt. Ltd,**

Callidus Research Laboratories Pvt. Ltd. is a Leading Pharmaceutical research and Development company of India, established by a team of techno-entrepreneurs having vast experience in the globally reputed pharmaceutical industry focused on pharmaceutical drug product development and technology transfer to manufacturing site across the globe.

It provides challenging solutions to generic as well as brand companies to develop and establish new technology platforms.

The research activities at Callidus research Labs are conducted in a state of the art modern R&D facility set up with a vast scientific knowledge pool conforming to international standards.

The state of art pharmaceutical research and development facility is spread over 8000sq.ft (720squaremeter) built as per international standards.

Callidus Research Labs has adequate equipment and instruments to carry out research and development activities with highest quality standards.

**GOALS AND OBJECTIVES**


Whereas the FIRST PARTY is engaged in teaching and research in Pharmaceutical Science,

Whereas the SECOND PARTY is Pharmaceutical research and Development Company works as a contract research organization, Regulatory Affairs, Quality Assurance, Audits, Technical and Training.

The FIRST PARTY and the SECOND PARTY have agreed to hire the services and facilities available with FIRST PARTY and SECOND PARTY to take up joint Research and Development (R & D) projects and training modules.

The SECOND PARTY has agreed to share their expertise and facilities with the students and faculty of FIRST PARTY. The SECOND PARTY has also agreed to allow the hands-on

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



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training and industrial projects to the Undergraduate and Post graduate students of **FIRST PARTY** and support the training and placements activities of **FIRST PARTY**.

Both the parties have agreed to work on the research projects in the areas of mutual interest such as-

- Formulation and development
- Novel Drug delivery system.
- Drug Regulatory Affairs
- Drug Dissolution studies, Diffusion studies etc.
- Biotechnology based products
- Pharmacological activities and Animal toxicity studies.

Now this deed of MOU is agreed by and between the parties under following terms and condition for 10 Years from the date of Signature:

**TERMS AND CONDITIONS:**

- a) The R& D work, training sessions, workshops and special lectures of the modules/courses of **BOTH PARTIES** will be taken up at the premises of **BOTH THE PARTIES** as per the program of work mutually agreed upon.
- b) The **SECOND PARTY** shall provide required materials such as chemicals, polymers and others for the purpose of study along with the relevant data on such materials.
- c) **BOTH THE PARTY** may allot such joint projects to Pharm or Ph.D. students with the help of the staff and students of their organization. The required equipment for carrying out the R & D activity other than those available with **FIRST PARTY** and are to be made available by **SECOND PARTY and Vice Versa** or suitable assistance shall be borne by the **BOTH THE PARTIES** for getting such work done.
- d) The funds for such R& D work shall be obtained through respective research councils by individual/joint application of research proposals and shall be used to support mutually agreed projects activities.

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






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- e) The faculty, students and employees from both parties can freely interact on the joint research project. The faculty and the students can share the Laboratory and Instrumental facilities for smooth functioning of the project.
- f) The findings of the research work shall be published or patent jointly by the parties.
- g) If the results of this joint project are able to attract commercial utilization, then the financial benefit shall be shared between the two parties equally or through any mutually agreed arrangements.
- h) All joint projects shall be reviewed every six months by joint committee appointed for the purpose by the two institutes in order to advice on the future course of each project. Collaborating researchers from both sides are expected to make presentations at such meeting along with submitting a summarized account of the work carried out for that period. The joint committee is also entrusted with the responsibility of suggesting any remedial measures for ensuring success of each project.
- i) Any dispute arising shall be settled through mutual negotiations only without recourse to resolving the dispute by legal means.

Signed on - 18/06/19

  
**Dr. P.D. Chaudhari**  
Principal



PES Modern college of Pharmacy, Nigdi, Pune

**Principal**

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



**Director**



Callidus Research Laboratories Pvt. Ltd,

For CALLIDUS RESEARCH LABORATORIES PVT LTD.

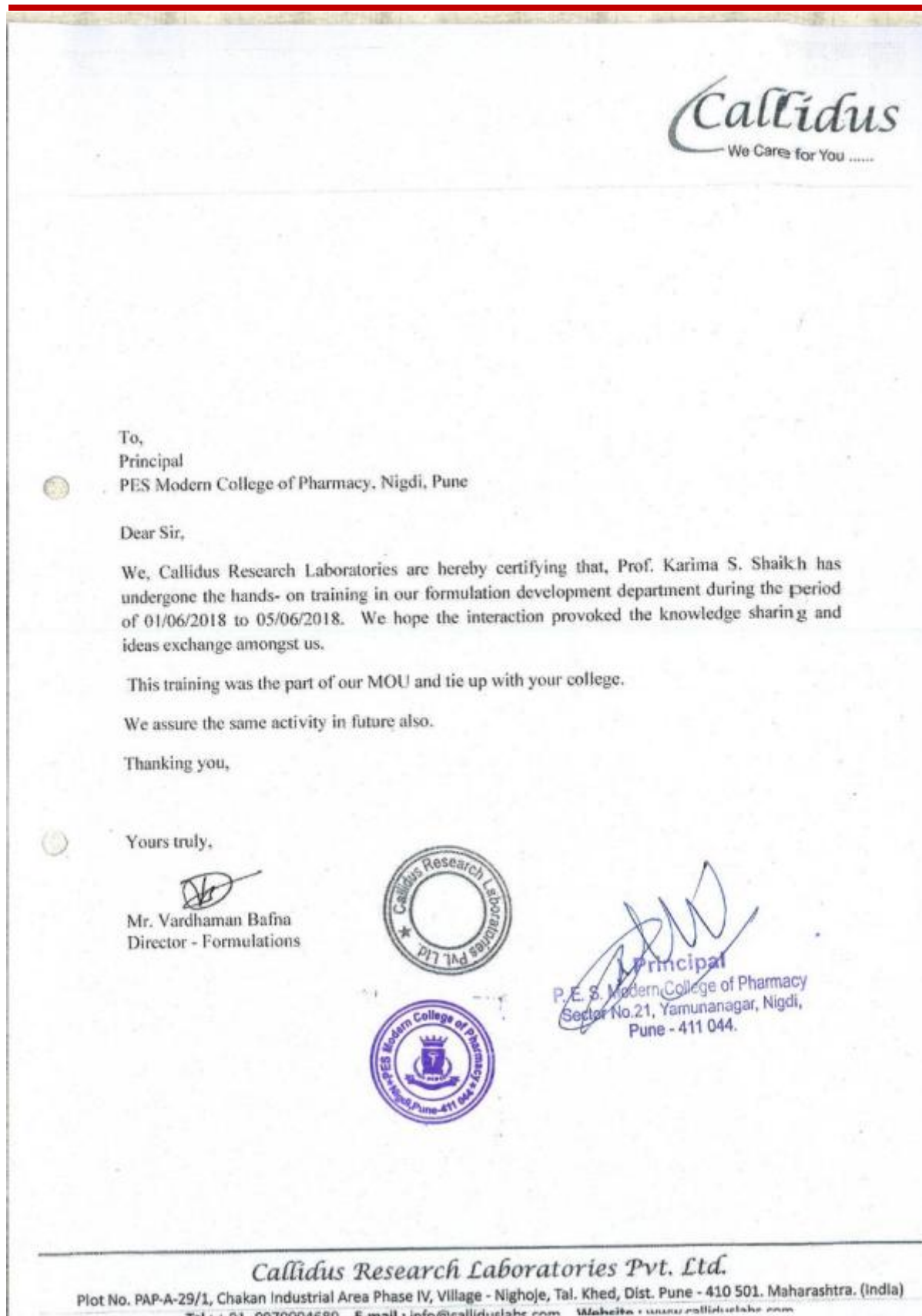
Authorized Signatory



**2018-2019**



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*Callidus*  
We Care for You .....

To,  
Principal  
PES Modern College of Pharmacy, Nigdi, Pune

Dear Sir,


We, Callidus Research Laboratories are hereby certifying that, Prof. S. S. Pimple has undergone the hands- on training in our formulation development department during the period of 01/06/2018 to 06/06/2018. We hope the interaction provoked the knowledge sharing and ideas exchange amongst us.

This training was the part of our MOU and tie up with your college.

We assure the same activity in future also.

Thanking you,

Yours truly,

  
Mr. Vardhaman Bafna  
Director - Formulations



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

*Callidus Research Laboratories Pvt. Ltd.*

Plot No. PAP-A-29/1, Chakan Industrial Area Phase IV, Village - Nighoje, Tal. Khed, Dist. Pune - 410 501. Maharashtra. (India)  
Tel : + 91 -9970004680. E-mail : info@calliduslabs.com Website : www.calliduslabs.com

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Date: 17<sup>th</sup> July 19

**TO WHOMSOEVER IT MAY CONCERN**

This is to Certify that Ms. Komal P. Gaikwad a student of PE society's Modern college of Pharmacy, SPPU, Pune has successfully completed around 11 months of plant/project training (4<sup>th</sup> June 18 to 17<sup>th</sup> May 19) at Callidus Research Laboratories pvt ltd in **Formulation Research and Development** department.

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

We wish her every success in his career.

For Callidus Research Labs, pvt ltd.

Authorized signatory



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

**Callidus Research Laboratories Pvt. Ltd.**

Plot no PAP-A-29/1, Chakan Industrial Area Phase IV - Nighoje, Tal. Khed, Dist: Pune, Maharashtra, 410501 (India)

Tel : +91 20-69000144 E-Mail : [info@calliduslabs.com](mailto:info@calliduslabs.com) Website: [www.calliduslabs.com](http://www.calliduslabs.com)

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**Report 3**  
**Period of progress report-5 Dec to 5 march**

**Batch 3:** 50 Sachet (Pass the API in 80# mesh and retain the 100# particle size are used in this batch)

Sr. No.	Ingredient Name	Unit Qty (mg/tab)	Batch Qty(gm)
<b>Intragranular part</b>			
1	Stiripentol	500	12.5
2	Carmellose sodium	2.00	0.0625
3	Xanthan gum	40	1.25
<b>Binder Solution</b>			
4	Povidone	5.0	0.125
5	Purified Water	q.s.	q.s.
<b>Extra granular part</b>			
6	Sucrose	1000	25
7	Vanilla Flavour	10	0.25
8	Aspartme	5	0.125
9	Erythrosine	0.1	0.05
10	Sucrolose	10	0.25
11	Titanium dioxide	5	0.125

**Proposed Manufacturing Process**

Wet granulation, the process of adding a liquid solution to powders is one of the most common ways to granulate. Wet granulation is the usual process and the granulating fluid is water or an aqueous binder solution. There are two methods of incorporating the drug. The drug can be dry blended with the other excipients or it can be dissolved or suspended in the granulating fluid. Wet granulation usually consists of the following steps. The wet mass is formed into granules in one of the following before drying: vibratory sieve. Most often wet massing and screening is used. The formed granules are dried in a tray oven.

**Manufacturing flow chart**



**Principal**  
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Pune - 411 044.

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Sr. NO.	Ingredient Name	Unit Qty (mg/tab)	Batch Qty(gm)
<b>In granular part</b>			
1	Stiripentol	500	12.5
2	Carmellose sodium	2.00	0.0625
3	Xanthan gum	40	1.25
<b>Binder Solution</b>			
4	Povidone	5.0	0.125
5	Purified Water	q.s.	q.s.

The API and the excipient were accurately weighed as per the composition given in table no. and sieved API through 80# Mesh and retain in 100

↓  
Addition of the Binder Solution (Povidone) was added to sufficient quantity of purified water to make 15% binder solution


↓  
Granulation

↓  
Pass The Granules in 30 #mesh

↓  
Extra granular Part (Sucrose, Sucralose, Vanilia Flavour, Aspartme, Titanium Dioxide, pass the 40# mesh.)

↓  
Blending (Mixing the Granules & Extra granular Portion) For 10 minute at 14 RPM in Cage Blender.



  
Principal  
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Pune - 411 044.

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Table : Formula for Selection of Sweetening Agents

Sr. No.	Name of Ingredients	Unit quantity (mg)	T1	T2	T3	T4	T5
1	Stiripentol	500	500	500	500	500	500
2	Carmellose Sodium	2.00	2.00	2.00	2.00	2.00	2.00
3	Xanthan Gum	40	40	40	40	40	40
4	Povidone	5.0	5.0	5.0	5.0	5.0	5.0
5	sucrose	1000	1000	1000	1000	1000	1000
6	Vanilla	10	10	10	10	10	10
7	Sucrolose	10	2.5	5	7.5	10	12.5
8	Aspartme	5	5	5	5	5	5
9	Titanium Dioxide	5	5	5	5	5	5



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

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Table 6.11: Formula for Selection of Sweetening Agent

Sr. No.	Name of Ingredients	Unit quantity (mg)	T1	T2	T3	T4	T5
1	Stiripentol	500	500	500	500	500	500
2	Carmellose Sodium	2.00	2.00	2.00	2.00	2.00	2.00
3	Xanthan Gum	40	40	40	40	40	40
4	Povidone	5.0	5.0	5.0	5.0	5.0	5.0
5	sucrose	1000	1000	1000	1000	1000	1000
6	Vanilla	10	2.5	5	7.5	10	12.5
7	Sucrolose	10	10	10	10	10	10
8	Aspartme	5	5	5	5	5	5
9	Titanium Dioxide	5	5	5	5	5	5



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

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Date: 4<sup>th</sup> June 18



**APPOINTMENT LETTER AS PROJECT TRAINEE**

Dear Ms. Komal Gaikwad

We are pleased to appoint you as a **Project Trainee** in **Formulation Research and Development Department** in Our Organization with effect from **4<sup>th</sup> June 18** on the following terms & conditions.

1. The Training shall be for a minimum period of 9 Months starting **4<sup>th</sup> June 2018**.
2. Your Training period shall over on **3<sup>rd</sup> March 2019** or upon completion of your project.
3. You will have to adhere with the Company's policies while working as a Project Trainee.
4. The company expects you to discharge your duties diligently and honestly & you should not disclose, utilize or divulge to any other company, firm or person, the affairs, process and techniques without written consent of the management.
5. You will have to maintain high personal integrity and moral conviction.
6. You will be bound to observe the rules of the office discipline and/or other instruction in force from time to time, to the entire satisfaction of your superiors. The company may terminate you without any notice in case of misconduct, breach of trust, loss of confidence, insubordination or for a similar cause.
7. The rules of the company, working hours etc. are subjected to change without any prior notice.
8. All documents, plans drawings, photos, reports, statements, formula, correspondence. etc. and also information and instructions that passed through you or come to your knowledge will be treated as confidential and you will bound to keep them secret and will not divulge or pass over them to anyone except to rightful discharge of your duties assigned by the company.

Please confirm and signify your acceptance of the terms and conditions stated above by signing duplicate copy of this letter. This offer is conditional upon your complying with the following.

For, Callidus research laboratories.

  
Authorized Signatory



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

I, accept appointment on the terms and conditions as detailed above by.

**Callidus Research Laboratories Pvt. Ltd.**

Plot no PAP-A-29/1, Chakan Industrial Area Phase IV - Nighe, Tal. Khed, Dist. Pune, Maharashtra, 410501 (India)  
Signature: Tel : +91 20-69000144 E-Mail : info@calliduslabs.com Website: www.calliduslabs.com

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Date: 17<sup>th</sup> July 19

**TO WHOMSOEVER IT MAY CONCERN**

This is to Certify that Ms. Samiksha P. Tayade a student of PE society's Modern college of Pharmacy, SPPU, Pune has successfully completed around 11 months of plant/project training (4<sup>th</sup> June 18 to 17<sup>th</sup> May 19) at Callidus Research Laboratories pvt ltd in **Formulation Research and Development department**.


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

We wish her every success in his career.

For Callidus Research Labs, pvt ltd.

Authorized signatory



  
**Principal**  
P. E. S. Modern College of Pharmacy  
Sector No.21, Yamunanagar, Nigdi,  
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**Callidus Research Laboratories Pvt. Ltd.**

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**Callidus**  
We Care for You.....

**APPOINTMENT LETTER AS PROJECT TRAINEE**


Dear Ms. Samiksha P. Tayade


We are pleased to appoint you as a Project Trainee in Formulation Research and Development Department in Our Organization with effect from 4<sup>th</sup> June 18 on the following terms & conditions. -


1. The Training shall be for a minimum period of 9 Months starting 4<sup>th</sup> June 2018.
2. Your Training period shall over on 3<sup>rd</sup> March 2019 or upon completion of your project.
3. You will have to adhere with the Company's policies while working as a Project Trainee.
4. The company expects you to discharge your duties diligently and honestly & you should not disclose, utilize or divulge to any other company, firm or person, the affairs, process and techniques without written consent of the management.
5. You will have to maintain high personal integrity and moral conviction.
6. You will be bound to observe the rules of the office discipline and/or other instruction in force from time to time, to the entire satisfaction of your superiors. The company may terminate you without any notice in case of misconduct, breach of trust, loss of confidence, insubordination or for a similar cause.
7. The rules of the company, working hours etc. are subjected to change without any prior notice.
8. All documents, plans drawings, photos, reports, statements, formula, correspondence. etc. and also information and instructions that passed through you or come to your knowledge will be treated as confidential and you will bound to keep them secret and will not divulge or pass over them to anyone except to rightful discharge of your duties assigned by the company.


Please confirm and signify your acceptance of the terms and conditions stated above by signing duplicate copy of this letter. This offer is conditional upon your complying with the following.

For, Callidus research laboratories

  
Authorized Signatory





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

I, accept appointment on the terms and conditions as detailed above by.

**Callidus Research Laboratories Pvt. Ltd.**

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Date: 17<sup>th</sup> July 19

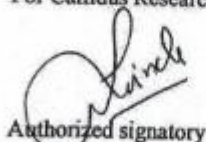
**TO WHOMSOEVER IT MAY CONCERN**

This is to Certify that Ms. Shivani R. Kalokhe a student of PE society's Modern college of Pharmacy, SPPU, Pune has successfully completed around 10 months of plant/project training (11<sup>th</sup> June 18 to 22<sup>th</sup> March 19) at Callidus Research Laboratories pvt ltd in **Analytical Research and Development department.**


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

We wish her every success in his career.

For Callidus Research Labs, pvt ltd.

  
Authorized signatory



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

**Callidus Research Laboratories Pvt. Ltd.**

Plot no PAP-A-29/1, Chakan Industrial Area Phase IV - Nigohje, Tal. Khed, Dist. Pune, Maharashtra, 410501 (India)  
Tel : +91 20-69000144 E-Mail : info@calliduslabs.com Website: www.calliduslabs.com

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**Callidus**  
We Care for You.....

Date: 11<sup>th</sup> June 18

**APPOINTMENT LETTER AS PROJECT TRAINEE**

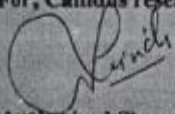
Dear Ms. Shivani R. Kalokhe


We are pleased to appoint you as a **Project Trainee in Analytical Research and Development Department** in Our Organization with effect from **11<sup>th</sup> June 18** on the following terms & conditions.


1. The Training shall be for a minimum period of 9 Months starting **11<sup>th</sup> June 2019**.
2. Your Training period shall over on **8<sup>th</sup> March 2019** upon completion of your project.
3. You will have to adhere with the Company's policies while working as a Project Trainee.
4. The company expects you to discharge your duties diligently and honestly & you should not disclose, utilize or divulge to any other company, firm or person, the affairs, process and techniques without written consent of the management.
5. You will have to maintain high personal integrity and moral conviction.
6. You will be bound to observe the rules of the office discipline and/or other instruction in force from time to time, to the entire satisfaction of your superiors. The company may terminate you without any notice in case of misconduct, breach of trust, loss of confidence, insubordination or for a similar cause.
7. The rules of the company, working hours etc. are subjected to change without any prior notice.
8. All documents, plans drawings, photos, reports, statements, formula, correspondence. etc. and also information and instructions that passed through you or come to your knowledge will be treated as confidential and you will bound to keep them secret and will not divulge or pass over them to anyone except to rightful discharge of your duties assigned by the company.


Please confirm and signify your acceptance of the terms and conditions stated above by signing duplicate copy of this letter. This offer is conditional upon your complying with the following

For, Callidus research laboratories.

  
Authorized Signatory





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

I, accept appointment on the terms and conditions as detailed above by.

**Callidus Research Laboratories Pvt. Ltd.**

Plot no PAP-A-29/1, Chakan Industrial Area Phase IV, Nigohje, Tai. Khed, Dist. Pune, Maharashtra, 410501 (India)

Signature: Tel : +91 20-69000144 E-Mail : info@calliduslabs.com Website : www.calliduslabs.com

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Date: 17<sup>th</sup> July 19

**TO WHOMSOEVER IT MAY CONCERN**


This is to Certify that Ms. Snehal A. Kumbhar a student of PE society's Modern college of Pharmacy, SPPU, Pune has successfully completed around 11 months of plant/project training (11<sup>th</sup> June 18 to 4<sup>th</sup> May 19) at Callidus Research Laboratories pvt ltd in Analytical Research and Development department.

During her project training with us, we found her punctual, hardworking and inquisitive. We wish her every success in his career.

For Callidus Research Labs, pvt ltd.

  
Authorized signatory



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

**Callidus Research Laboratories Pvt. Ltd.**

Plot no PAP-A-29/1, Chakan Industrial Area Phase IV - Nighoje, Tal. Khed, Dist. Pune, Maharashtra, 410501 (India)  
Tel : +91 20-69000144 E-Mail : info@calliduslabs.com Website: www.calliduslabs.com

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Date: 1<sup>st</sup> June 18



**APPOINTMENT LETTER AS PROJECT TRAINEE**

Dear Ms. Snehal Kumbhar

We are pleased to appoint you as a Project Trainee in Analytical Research and Development Department in Our Organization with effect from 11<sup>th</sup> June 18 on the following terms & conditions.

1. The Training shall be for a minimum period of 9 Months starting 11<sup>th</sup> June 18.
2. Your Training period shall over on 8th March 2019 upon completion of your project.
3. You will have to adhere with the Company's policies while working as a Project Trainee.
4. The company expects you to discharge your duties diligently and honestly & you should not disclose, utilize or divulge to any other company, firm or person, the affairs, process and techniques without written consent of the management.
5. You will have to maintain high personal integrity and moral conviction.
6. You will be bound to observe the rules of the office discipline and/or other instruction in force from time to time, to the entire satisfaction of your superiors. The company may terminate you without any notice in case of misconduct, breach of trust, loss of confidence, insubordination or for a similar cause.
7. The rules of the company, working hours etc. are subjected to change without any prior notice.
8. All documents, plans drawings, photos, reports, statements, formula, correspondence. etc. and also information and instructions that passed through you or come to your knowledge will be treated as confidential and you will bound to keep them secret and will not divulge or pass over them to anyone except to rightful discharge of your duties assigned by the company.

Please confirm and signify your acceptance of the terms and conditions stated above by signing duplicate copy of this letter. This offer is conditional upon your complying with the following.

For, Callidus research laboratories.

Authorized Signatory



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

I, accept appointment on the terms and conditions as detailed above by.

**Callidus Research Laboratories Pvt. Ltd.**

Plot no PAP-A-29/1, Chakan Industrial Area Phase IV - Nighe, Tal. Khed, Dist. Pune, Maharashtra, 410501 (India)  
Signature: Tel : +91 20-69000144 E-Mail : info@calliduslabs.com Website: www.calliduslabs.com

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Date: 17<sup>th</sup> July 19

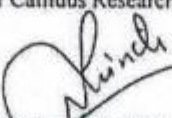
**TO WHOMSOEVER IT MAY CONCERN**

This is to Certify that Ms. Poonam B. Raskar a student of PE society's Modern college of Pharmacy, SPPU, Pune has successfully completed around 11 months of plant/project training (11<sup>th</sup> June 18 to 20<sup>th</sup> May 19) at Callidus Research Laboratories pvt ltd in Analytical Research and Development department.


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

We wish her every success in his career.

For Callidus Research Labs, pvt ltd.

  
Authorized signatory



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

**Callidus Research Laboratories Pvt. Ltd.**

Plot no PMA-A-29/1, Chakan Industrial Area Phase IV - Nigohje, Tal. Khed, Dist. Pune, Maharashtra, 410501 (India)  
Tel : +91 20-69000144 E-Mail : info@calliduslabs.com Website: www.calliduslabs.com

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Date: 11<sup>th</sup> June 18

**APPOINTMENT LETTER AS PROJECT TRAINEE**

Dear Ms. Poonam Raskar

We are pleased to appoint you as a Project Trainee in Analytical Research and Development Department in Our Organization with effect from 11<sup>th</sup> June 18 on the following terms & conditions.

1. The Training shall be for a minimum period of 9 Months starting 11<sup>th</sup> June 18.
2. Your Training period shall over on 8th March 2019 upon completion of your project.
3. You will have to adhere with the Company's policies while working as a Project Trainee.
4. The company expects you to discharge your duties diligently and honestly & you should not disclose, utilize or divulge to any other company, firm or person, the affairs, process and techniques without written consent of the management.
5. You will have to maintain high personal integrity and moral conviction.
6. You will be bound to observe the rules of the office discipline and/or other instruction in force from time to time, to the entire satisfaction of your superiors. The company may terminate you without any notice in case of misconduct, breach of trust, loss of confidence, insubordination or for a similar cause.
7. The rules of the company, working hours etc. are subjected to change without any prior notice.
8. All documents, plans drawings, photos, reports, statements, formula, correspondence. etc. and also information and instructions that passed through you or come to your knowledge will be treated as confidential and you will bound to keep them secret and will not divulge or pass over them to anyone except to rightful discharge of your duties assigned by the company.

Please confirm and signify your acceptance of the terms and conditions stated above by signing duplicate copy of this letter. This offer is conditional upon your complying with the following.

For, Callidus research laboratories.

Authorized Signatory



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

I, accept appointment on the terms and conditions as detailed above by.

**Callidus Research Laboratories Pvt. Ltd.**

Plot no PAP-A-29/1, Chakan Industrial Area Phase IV - Nighoje, Tal. Khed, Dist. Pune, Maharashtra, 410501 (India)  
Signature: Tel : +91 20-69000144 E-Mail : info@calliduslabs.com Website: www.calliduslabs.com

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Date: 17<sup>th</sup> July 19

**TO WHOMSOEVER IT MAY CONCERN**

This is to Certify that Ms. Dhanashri K. Joshi a student of PE society's Modern college of Pharmacy, SPPU, Pune has successfully completed around 11 months of plant/project training (4<sup>th</sup> June 18 to 17<sup>th</sup> May 19) at Callidus Research Laboratories pvt ltd in Formulation Research and Development department.


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

We wish her every success in his career.

For Callidus Research Labs, pvt ltd.

  
Authorized signatory



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

**Callidus Research Laboratories Pvt. Ltd.**

Plot no PAP-A-29/1, Chakan Industrial Area Phase IV - Nighoje, Tal. Khed, Dist. Pune, Maharashtra, 410501 (India)  
Tel : +91 20-69000144 E-Mail : info@calliduslabs.com Website: www.calliduslabs.com

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intern

**Callidus**  
We Care for You.....

**APPOINTMENT LETTER AS PROJECT TRAINEE**

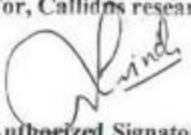
Dear Ms. Dhannshri K. Joshi


We are pleased to appoint you as a **Project Trainee** in **Formulation Research and Development Department** in Our Organization with effect from **5<sup>th</sup> June 18** on the following terms & conditions.


1. The Training shall be for a minimum period of 9 Months starting **5<sup>th</sup> June 2018**.
2. Your Training period shall over on **4<sup>th</sup> March 2019** or upon completion of your project.
3. You will have to adhere with the Company's policies while working as a Project Trainee.
4. The company expects you to discharge your duties diligently and honestly & you should not disclose, utilize or divulge to any other company, firm or person, the affairs, process and techniques without written consent of the management.
5. You will have to maintain high personal integrity and moral conviction.
6. You will be bound to observe the rules of the office discipline and/or other instruction in force from time to time, to the entire satisfaction of your superiors. The company may terminate you without any notice in case of misconduct, breach of trust, loss of confidence, insubordination or for a similar cause.
7. The rules of the company, working hours etc. are subjected to change without any prior notice.
8. All documents, plans drawings, photos, reports, statements, formula, correspondence. etc. and also information and instructions that passed through you or come to your knowledge will be treated as confidential and you will bound to keep them secret and will not divulge or pass over them to anyone except to rightful discharge of your duties assigned by the company.


Please confirm and signify your acceptance of the terms and conditions stated above by signing duplicate copy of this letter. This offer is conditional upon your complying with the following.

For, Callidus research laboratories.

  
Authorized Signatory





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

I, accept appointment on the terms and conditions as detailed above by.

**Callidus Research Laboratories Pvt. Ltd.**  
Plot no PAP-A-29/1, Chakan Industrial Area Phase IV - Nighoje, Tal. Khed, Dist. Pune, Maharashtra, 410501 (India)  
Signature: Tel : +91 20-89000144 E-Mail : info@calliduslabs.com Website: www.calliduslabs.com

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

**Industry Visit 2018-19**

**Notice**

**Date: 28/02/2019**

All Teaching faculty, Non teaching staff and students of B Pharm are hereby informed that, our college has organize industry visit for B. Pharm studentrs, the details of visit are as follows

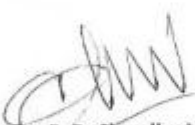
**Name of Place :** Callidus Research Labs Nighoje, Maharashtra Pune 410501

**Name of class :** Fibal year B. Pharm

**Date:** 02/ 03/2019 (Saturday)

**Time for departure from college:** 9 am onwards

**Selected students:** list attached

  
**Dr. P. D. Chaudhari**  
Principal

**Copy to**

1. Academic section
2. Class teacher
3. Exam section
4. Office
5. Circulation to all faculty
6. Circulation to all students



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

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PES Modern College of Pharmacy, Nigdi, Pune-44

Attendance of students for Industry Visit

Venue: Callidus Research Labs Nighoje, Maharashtra Pune Class: Final Year B Pharm  
Date: 02/02/2019 Time 9:00 am onwards

Sr. No	Name of Students	Signature
1.	Radhika Baheti	
2.	Surbhi Gupta	
3.	Jagruti Patil	
4.	Mukesh Choudhary	
5.	Kundan Choudhary	
6.	Mayur Patil	
7.	Sayali Kulkarni	
8.	Ashiya Mulani	
9.	Shailesh Lekhwani	
10.	Shraddha Divase	
11.	Kshanali Gaikwad	
12.	Rucha Kulkarni	
13.	Aarti Shingan	
14.	Swapnil Pattewar	
15.	Nikhil Gabhale	
16.	Monika Patil	
17.	Priti Khanapure	
18.	Vaibhav raut	
19.	Bhagyashree Sarangkar	
20.	Jadhav Nikita	
21.	Rawit J. waghmare	
22.	Chavan Shilekha	

Dr V V Chopade  
Industrial visit Incharge

Dr P S Uttekar  
Alumni incharge



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

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


REPORT OF INDUSTRY VISIT 2018-19

1.	Name of activity:	Industry visit for B. Pharm students
2.	Name of Industry	Callidus Research Labs Nighoje, Maharashtra Pune
3.	Date of activity	02/ 03/2019
4.	Total no students participate	22
5.	Occasion of activity	Industry Academic Interaction
6.	Place of visit	Manufacturing unit/ QAQC dept
7.	Objectives of activity	<ol style="list-style-type: none"><li>1. To get pharmacy knowledge, planning abilities, problem analysis, modern tool usage, professional identity, pharmaceutical ethics, communication, environment and sustainability, life-long learning.</li><li>2. To know working procedure of manufacturing unit and QAQC dept of Pharmaceutical industry</li><li>3. To get importance of accuracy in practical's experiments</li><li>4. How to operate equipments in pharma industry.</li></ol>
8.	Training given by	Ms. Sweet Singh, Asst Manager Ms Mokshda Wable, Asst Manager
9.	Name of faculty with students	Dr V V Chopade Dr Pravin Uttekar,
10.	Activity co-coordinator	:Dr. Vitthal V Chopade and Dr Pravin Uttekar



Dr. V V Chopade



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

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2019-2020

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

Industry Visit 2019-20

**Notice**

Date: 24/02/2020


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

**Name of Place:** Callidus Research Labs Nighoje MIDC, Maharashtra Pune 410501

**Name of class:** M. Pharm


**Date:** 29/ 02/2020 (Saturday)

**Time for departure from college:** 10 am

  
Dr. V. V. Chopade  
Industry visit incharge

**Copy to**

1. Academic section
2. Class teachers
3. Office

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

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PES Modern College of Pharmacy, Nigdi, Pune-44

Attendance of students for Industry Visit

Venue: Call idus Research Labs Pvt Ltd Maharashtra Pune Class: M Pharm

Date: 29/02/2020

Time 11:15 am onwards

Sr. No	Name of Students	Signature
1.	Radhika Baheti	
2.	Surbhi Gupta	
3.	Abhijeet Thorat	
4.	Rahul Dighe	
5.	Harshada Varpe	
6.	Nishigandha Nigade	
7.	Aishwarya Gosavi	
8.	Manorama yadav	
9.	Priyanka Tambe	
10.	Bhakti Dalvi	
11.	Kajal Darje	
12.	Arun Mahajan	
13.	Mayuri Tapkir	
14.	Devika Lomte	
15.	Banirav Morale	
16.	Vishnu Padvi	
17.	Rathod Mallinath Prathamesh Gunjal	
18.	Prashant Bhoir	
19.	Diksha Kamble	
20.	Harshada Madke	

Dr. V. V. Chopade  
Industry visit incharge



Dr. P. D. Chaudhari  
Principal

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

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

**REPORT OF INDUSTRY VISIT 2019-20**

1.	Name of activity:	Industry visit for students
2.	Name of Industry	Callidus Research Labs Nighoje, Maharashtra Pune
3.	Date of activity	29/02/2020
4.	Total no students participate	22
5.	Occasion of activity	Industry Academic Interaction
6.	Place of visit	Manufacturing unit/ QAQC dept
7.	Objectives of activity	<ol style="list-style-type: none"><li>1. To get pharmacy knowledge, planning abilities, problem analysis, modern tool usage, professional identity, pharmaceutical ethics, communication, environment and sustainability, life-long learning.</li><li>2. To know working procedure of manufacturing unit and QAQC dept of Pharmaceutical industry</li><li>3. To get importance of accuracy in practical's experiments</li><li>4. How to operate equipment's in pharma industry.</li></ol>
8.	Training given by	Mr Vardhama Bafna Director of Callidus Research Labs
9.	Name of faculty with students	Dr Smita Pimple Dr V V Chopade
10.	Activity co-coordinator	Dr. Vitthal V Chopade



  
Dr. V. V. Chopade  
Industry Visit Incharge

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

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Photo



18.717110; 73.807938 NW 9833  
29.02.2020 11:29  
S.v. no. 110 tomrevassti Naw kranti, Mitra Mandal  
Rd, Pune, Maharashtra 411013, India

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

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*Callidus*  
We Care for You .....

To,  
Principal  
PES Modern College of Pharmacy, Nigdi, Pune

Dear Sir,

We, Callidus Research Laboratories are hereby certifying that, Prof. Upendra Galgatte has underwent the hands- on training in our formulation development department during the period of 03/06/2019 to 08/06/2019. We hope the interaction provoked the knowledge sharing and ideas exchange amongst us.

This training was the part of our MOU and tie up with your college.

We assure the same activity in future also.

Thanking you,

Yours truly,

Mr. Vardhaman Bafna  
Director - Formulations




Principal  
P. E. S. Modern College of Pharmacy  
Sector No.24, Yamunanagar, Nigdi,  
Pune - 411 044.

*Callidus Research Laboratories Pvt. Ltd.*

Plot No. PAP-A-29/1, Chakan Industrial Area Phase IV, Village - Nighoje, Tal. Khed, Dist. Pune - 410 501. Maharashtra. (India)  
Tel : + 91 -9970004680. E-mail : info@calliduslabs.com. Website : www.calliduslabs.com

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We Care for You .....

To,  
Principal  
PES Modern College of Pharmacy, Nigdi, Pune

Dear Sir,


We, Callidus Research Laboratories are hereby certifying that, Prof. Pravin Uttekar has undergone the hands- on training in our formulation development department during the period of 03/06/2019 to 08/06/2019. We hope the interaction provoked the knowledge sharing and ideas exchange amongst us.



This training was the part of our MOU and tie up with your college.


We assure the same activity in future also.

Thanking you,

Yours truly,

  
Mr. Vardhaman Bafna  
Director - Formulations

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

---

**Callidus Research Laboratories Pvt. Ltd.**  
Plot No. PAP-A-29/1, Chakan Industrial Area Phase IV, Village - Nighoje, Tal. Khed, Dist. Pune - 410 501, Maharashtra. (India)  
Tel : + 91 -9970004680. E-mail : info@calliduslabs.com Website : www.calliduslabs.com

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*Callidus*  
We Care for You .....

To,  
Principal  
PES Modern College of Pharmacy, Nigdi, Pune

Dear Sir,


We, Callidus Research Laboratories are hereby certifying that, Prof. Anuradha G. More has undergone the hands- on training in our formulation development department during the period of 03/06/2019 to 08/06/2019. We hope the interaction provoked the knowledge sharing and ideas exchange amongst us.

This training was the part of our MOU and tie up with your college.

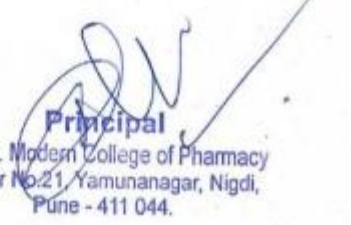
We assure the same activity in future also.

Thanking you,

Yours truly,

  
Mr. Vardhaman Bafna  
Director – Formulations



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

*Callidus Research Laboratories Pvt. Ltd.*

Plot No. PAP-A-29/1, Chakan Industrial Area Phase IV, Village - Nighoje, Tal. Khed, Dist. Pune - 410 501, Maharashtra. (India)  
Tel : + 91 -9970004680. E-mail : info@calliduslabs.com Website : www.calliduslabs.com

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*Callidus*  
We Care for You .....

To,  
Principal  
PES Modern College of Pharmacy, Nigdi, Pune

Dear Sir,


We, Callidus Research Laboratories are hereby certifying that, Prof. Angira G. Purohit has underwent the hands-on training in our formulation development department during the period of 27/05/2019 to 01/06/2019. We hope the interaction provoked the knowledge sharing and ideas exchange amongst us.

This training was the part of our MOU and tie up with your college.

We assure the same activity in future also.

Thanking you,

Yours truly,

  
Mr. Vardhaman Bafna  
Director - Formulations



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

*Callidus Research Laboratories Pvt. Ltd.*

Plot No. PAP-A-29/1, Chakan Industrial Area Phase IV, Village - Nighoje, Tal. Khed, Dist. Pune - 410 501. Maharashtra. (India)  
Tel : + 91 - 9970004680 E-mail : info@calliduslabs.com Website : www.calliduslabs.com

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2020-2021



Journal of Chromatographic Science, 2021, 1–11

doi: 10.1093/chromsci/bmaa125

Article



## Article

## Development and Validation of a Stability-Indicating High-Performance Liquid Chromatographic Method for the Quantification of Methocarbamol and Its Impurities in Pharmaceutical Dosage Forms

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### Abstract

A novel, delicate, stability-indicating, gradient, reversed-phase high-performance liquid chromatographic method has been established for the quantitative estimation of methocarbamol (MTC) and its impurities present in a pharmaceutical oral suspension. XBridge C18, 5  $\mu$ m, 250 mm  $\times$  4.6 mm column was used to accomplish chromatographic separation with a buffered mobile phase consisting of a mixture of 0.01 M of sodium dihydrogen phosphate (pH 7.0 buffer) and methanol in the ratio of 95:05 (v/v), respectively, were used as solvent A and a mixture of methanol and Milli-Q water in the ratio 90:10 (v/v), respectively, was used as solvent B. Analysis was carried out at 0.8 mL/min flow rate and the detection wavelength at 225 nm. The compartment temperature of the column is put at 25°C. The resolution of MTC and its four impurities has been attained >2.0 for all pairs of compounds. Significant degradation of MTC was photolytic, thermal and oxidative stress conditions. Validation of the developed method was performed as stated by the International Conference on Harmonization guidelines with regard to all validation parameters like specificity, accuracy, linearity, precision, limit of detection, limit of quantitation and robustness.

### Introduction

Methocarbamol (MTC) belongs to the group of medicine known as muscle relaxants (1). MTC is a carbamate derivative of guaifenesin, have a central nervous system depressant with sedative and musculoskeletal relaxant properties (1). MTC is a short-term adjunct to symptomatic treatment of acute musculoskeletal disorders coupled with painful muscle spasms. Its chemical designation is 2-hydroxy-3-(2-methoxyphenoxy) propan-2-yl carbamate (2) (Figure 1). Four probable related compounds (degradants and procedure-linked impurities) are guaifenesin, MTC isomer, guaifenesin  $\beta$ -isomer and MTC dioxolan-2-one (3).

having chemical names as 3-(2-methoxyphenoxy)-1,2-propanediol, 1-hydroxy-3-(2-methoxyphenoxy)propan-2-yl carbamate (3), 2-(2-methoxyphenoxy)-1,3-propanediol and 4-[(2-methoxyphenoxy)-methyl]-1,3-dioxolan-2-one (3), respectively (Figures 2–5).

It is fundamental to develop a method intended for the quantification and to increase the resolution of impurities present in pharmaceutical formulation. In the literature survey, it was found that for the analysis of assay of MTC, various ultraviolet (UV), high-performance liquid chromatography (HPLC) and spectrophotometric methods have been reported (4–7), but until today, in the literature, HPLC method for quantification of the impurities present in MTC oral suspension 750 mg/5 mL has not been described. The

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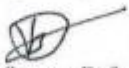
We, Callidus Research Laboratories are hereby certifying that, Prof. Karima S. Shaikh has undergone the hands- on training in our formulation development department during the period of 04/05/2021 to 09/05/2021. We hope the interaction provoked the knowledge sharing and ideas exchange amongst us.

This training was the part of our MOU and tie up with your college.


We assure the same activity in future also.

Thanking you,

Yours truly,

  
Mr. Vardhaman Bafna  
Director - Formulations



  
**Principal**  
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Sector No.21, Yamunanagar, Nigdi,  
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*Callidus Research Laboratories Pvt. Ltd.*

Plot No. PAP-A-29/1, Chakan Industrial Area Phase IV, Village - Nighoje, Tal. Khed, Dist. Pune - 410 501. Maharashtra. (India)  
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Dear Sir,


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Thanking you,

Yours truly,

  
Mr. Vardhaman Bafua  
Director - Formulations



  
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Director - Formulations



  
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Pune - 411 044.


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Dear Sir,


We, Callidus Research Laboratories are hereby certifying that, Prof. Nikita M. Gaikwad has undergone the hands- on training in our formulation development department during the period of 01/06/2021 to 06/06/2021. We hope the interaction provoked the knowledge sharing and ideas exchange amongst us.



This training was the part of our MOU and tie up with your college.

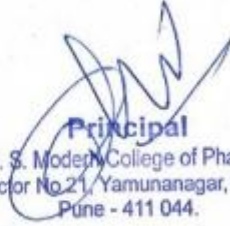
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Director - Formulations

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

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*Callidus*  
— With Confidence —


Date: 1<sup>st</sup> June 2022

**TO WHOMSOEVER IT MAY CONCERN**

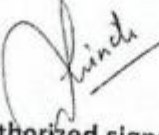
This is to Certify that Ms. Shraddha R. Lakambare a student of P.E.S. Modern College of Pharmacy Nigdi Pune has successfully completed plant/project training (27<sup>th</sup> September 2021 to 1<sup>st</sup> June 2022) at Callidus Research Laboratories Pvt Ltd Pune in Formulation Research and Development department.



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

We wish her every success in her career.

 TRUE COPY  
श्री महेश सूर्यकांत विद्यारे  
प्लॉट नं. 14, गुजरात कॉलनी  
कोयलख, पुणे-38. अनु क्र. 2505

For Callidus Research Laboratories, Pvt Ltd.

  
Authorized signatory

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

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**Progressive Education Society's Modern college of Pharmacy, Nigdi,  
Yamunanagar, Pune-411044**

**Industrial Project / Training Progress Report**

**Student name:** Lakambare Shraddha Rajesh

**Department:** Pharmaceutics

**Class / Sem:** 2<sup>nd</sup> Yr. /4th Sem.

**Roll No:** PH-212

**Name and Address of Company:** Callidus Research Laboratories Pvt. Ltd., Chakan industrial area phase IV, Nighoje, Khed, Pune 410501


**Industrial project training period:** October 2021 – May 2022


**Title of project:** Formulation development and evaluation of empagliflozin film coated tablet using QbD approach


**Progress Report:** October - 2021

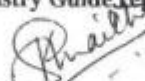
**Week wise work done:** SOP training and calibration of IPQC instruments

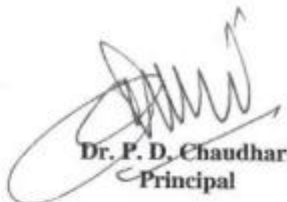
Week	Work Done
Week 1	Quality assurance SOP training
Week 2	Formulation development SOP training
Week 3	Understood calibration of IPQC instruments
Week 4	Performed calibration of IPQC instruments

  
**Ms. Shraddha R. Lakambare**  
Student


  
**Dr. Atul A Phatak**  
College Guide

  
**Mr. Mahesh M. Bhadgale**  
Industry Guide representative

  
**Dr. Mrs. Karimunnisa S. Shaikh**  
College Training In-Charge

  
**Dr. P. D. Chaudhari**  
Principal



  
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Pune - 411 044.

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Yamunanagar, Pune-411044**

**Industrial Project / Training Progress Report**

**Student name:** Lakambare Shraddha Rajesh

**Department:** Pharmaceutics

**Class / Sem:** 2<sup>nd</sup> Yr. /4th Sem.

**Roll No:** PH-212

**Name and Address of Company:** Callidus Research Laboratories Pvt. Ltd., Chakan industrial area phase IV, Nighoje, Khed, Pune 410501


**Industrial project training period:** October 2021 – May 2022

**Title of project:** Formulation development and evaluation of empagliflozin film coated tablet using QbD approach


**Progress Report: November - 2021**

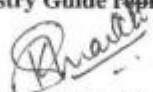
**Week wise work done:** Handling of instruments

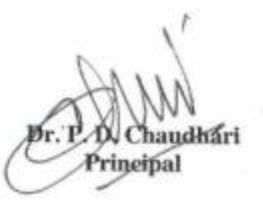
Week	Work Done
Week 1	Learned handling of granulator and dryer
Week 2	Learned handling of milling machine and blender
Week 3	Learned handling of tablet compression machine and coating machine
Week 4	Learned handling of dissolution test apparatus and UV Visible spectrophotometer

  
**Ms. Shraddha R. Lakambare**  
Student


  
**Dr. Atul A Phatak**  
College Guide

  
**Mr. Mahesh M. Bhadgale**  
Industry Guide representative

  
**Dr. Mrs. Karimunnisa S. Shaikh**  
College Training In-Charge

  
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**Class / Sem:** 2<sup>nd</sup> Yr. /4th Sem.

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**Name and Address of Company:** Callidus Research Laboratories Pvt. Ltd., Chakan industrial area phase IV, Nighoje, Khed, Pune 410501


**Industrial project training period:** October 2021 – May 2022


**Title of project:** Formulation development and evaluation of empagliflozin film coated tablet using QbD approach


**Progress report:** December - 2021


**Week wise work done:** Literature review and procurement of API and excipients.


Week	Work Done
Week 1	Finalization of project topic
Week 2	Conducted literature survey
Week 3	Selection of API and excipients.
Week 4	Procurement of API and excipients from vendors

  
**Ms. Shraddha R. Lakambare**  
Student

  
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College Guide

  
**Mr. Mahesh M. Bhadgale**  
Industry Guide representative

  
**Dr. Mrs. Karimunnisa S. Shaikh**  
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Industrial Project / Training Progress Report

Student Name: Lakambare Shraddha Rajesh

Department: Pharmaceutics

Class / Sem: 2<sup>nd</sup> Yr. /4th Sem.

Roll No: PH-212

Name and Address of Company: Callidus Research Laboratories Pvt. Ltd., Chakan industrial area phase IV, Nighoje, Khed, Pune 410501

Industrial project training period: October 2021 – May 2022

Title of project: Formulation development and evaluation of empagliflozin film coated tablet using QbD approach

Progress Report: January - 2022

Week wise work done: API characterization and DEC study

Week	Work Done
Week 1	Performed characterization of API
Week 2	Planning Drug Excipient compatibility (DEC) study
Week 3	Prepared DEC test samples
Week 4	Loaded DEC samples in Stability chamber

Ms. Shraddha R. Lakambare  
Student

Dr. Atul. A. Phatak  
College Guide

Mr. Mahesh M. Bhadgale  
Industry Guide representative

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Industrial Project / Training Progress Report

Student Name: Lakambare Shraddha Rajesh

Department: Pharmaceutics

Class / Sem: 2<sup>nd</sup> Yr. /4th Sem.

Roll No: PH-212

Name and Address of Company: Callidus Research Laboratories Pvt. Ltd., Chakan industrial area phase IV, Nighoje, Khed, Pune 410501

Industrial project training period: October 2021 – May 2022

Title of project: Formulation development and evaluation of empagliflozin film coated tablet using QbD approach

Progress Report: February 2022

Week wise work done: Formulation and evaluation of trial batches

Week	Work Done
Week 1	Prepared lubricated granules of trial batches
Week 2	Prepared tablets of trial batches
Week 3	Evaluation of trial batches
Week 4	Evaluation of trial batches

Ms. Shraddha R. Lakambare  
Student

Dr. Atul A Phatak  
College Guide

Mr. Mahesh M. Bhadgale  
Industry Guide representative

Dr. Mrs. Karimunnisa S. Shaikh  
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Industrial Project / Training Progress Report

Student Name: Lakambare Shraddha Rajesh

Department: Pharmaceutics

Class / Sem: 2<sup>nd</sup> Yr. /4th Sem.

Roll No: PH-212

Name and Address of Company: Callidus Research Laboratories Pvt. Ltd., Chakan industrial  
area phase IV, Nighoje, Khed, Pune 410501

Industrial project training period: October 2021 – May 2022

Title of project: Formulation development and evaluation of empagliflozin film coated tablet  
using QbD approach

Progress Report: March- 2022

Week wise work done: Formulation and evaluation of DoE batches

Week	Work Done
Week 1	Prepared lubricated granules of trial batches
Week 2	Prepared tablets of trial batches
Week 3	Evaluation of trial batches
Week 4	Evaluation of trial batches

Ms. Shraddha R. Lakambare  
Student

Mr. Mahesh M. Bhadgale  
Industry Guide representative

Dr. Atul A Phatak  
College Guide

Dr. Mrs. Karimunnisa S. Shaikh  
College Training In-Charge

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**Industrial Project / Training Progress Report**

**Student Name:** Lakambare Shraddha Rajesh

**Department:** Pharmaceutics

**Class / Sem:** 2<sup>nd</sup> Yr. /4th Sem.

**Roll No:** PH-212

**Name and Address of Company:** Callidus Research Laboratories Pvt. Ltd., Chakan industrial area phase IV, Nighoje, Khed, Pune 410501

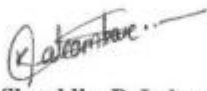
**Industrial project training period:** October 2021 – May 2022


**Title of project:** Formulation development and evaluation of empagliflozin film coated tablet using QbD approach


**Progress Report:** April- 2022

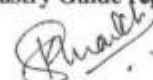
**Week wise work done:** Accelerated stability study


Week	Work Done
Week 1	Packaging and labeling of stability samples
Week 2	Planned stability study protocol
Week 3	Loaded stability test samples in stability chambers
Week 4	Made industrial report

  
**Ms. Shraddha R. Lakambare**  
Student

  
**Mr. Mahesh M. Bhadgale**  
Industry Guide representative—

  
**Dr. Atul A Phatak**  
College Guide

  
**Dr. Mrs. Karimunnisa S. Shaikh**  
College Training In-Charge

  
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Industrial Project / Training Progress Report

Student Name: Lakambare Shraddha Rajesh

Department: Pharmaceutics

Class / Sem: 2<sup>nd</sup> Yr. /4th Sem.

Roll No: PH-212

Name and Address of Company: Callidus Research Laboratories Pvt. Ltd., Chakan industrial area phase IV, Nighoje, Khed, Pune 410501

Industrial project training period: October 2021 – May 2022

Title of project: Formulation development and evaluation of empagliflozin film coated tablet using QbD approach

Progress Report: May- 2022

Week wise work done: Evaluation of stability samples

Week	Work Done
Week 1	Initiated thesis writing
Week 2	Unloaded and evaluated samples of long term stability condition
Week 3	Unloaded and evaluated samples of intermediate stability condition
Week 4	Unloaded and evaluated samples of accelerated stability condition

Ms. Shraddha R. Lakambare  
Student

Mr. Mahesh M. Bhadgale  
Industry Guide representative

Dr. Atul A Phatak  
College Guide

Dr. Mrs. Karimunnisa S. Shaikh  
College Training In-Charge

Dr. P. D. Chaudhari  
Principal



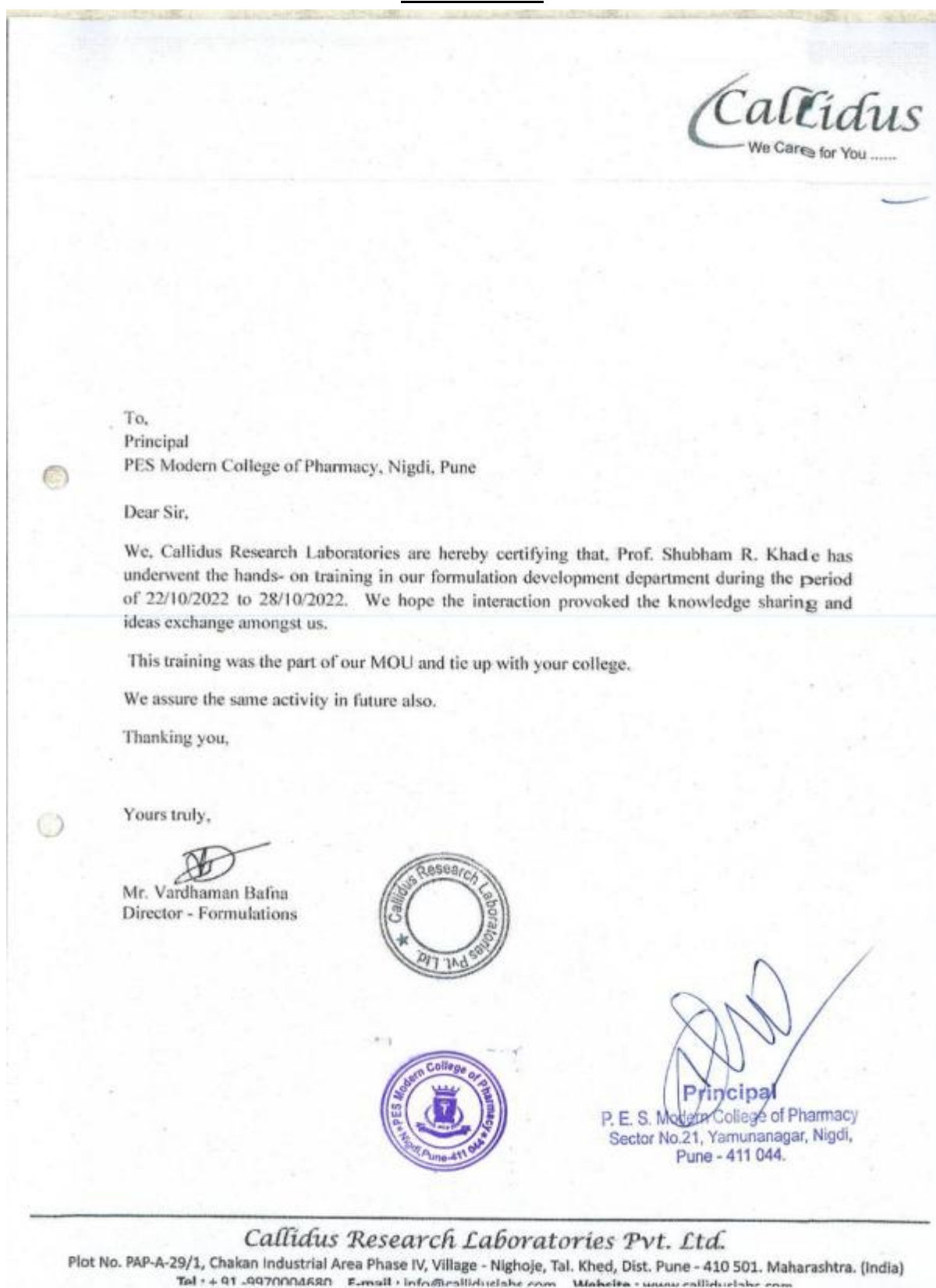
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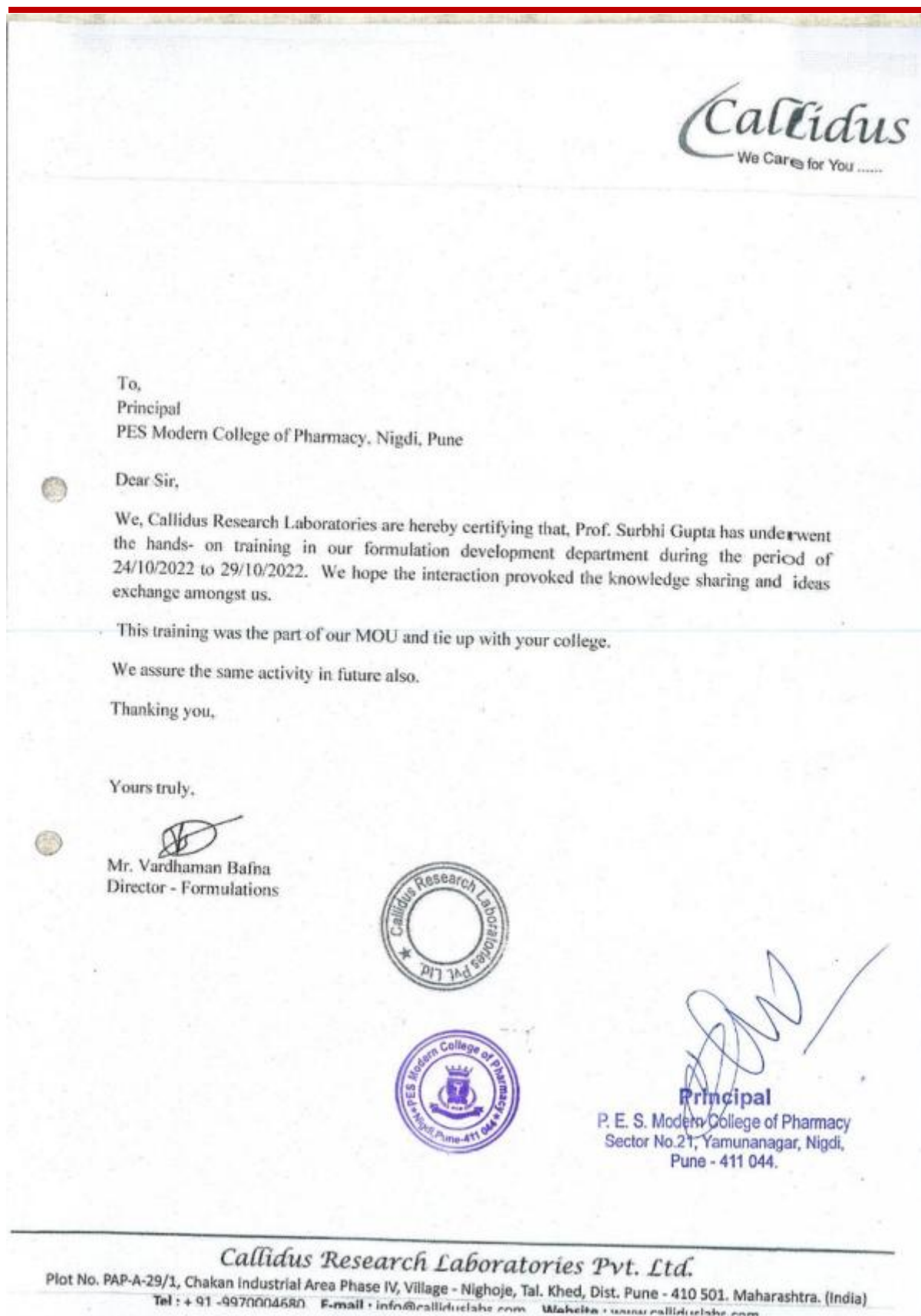




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Dear Sir,


We, Callidus Research Laboratories are hereby certifying that, Prof. Shivraj V. Mane has underwent the hands- on training in our formulation development department during the period of 24/10/2022 to 29/10/2022. We hope the interaction provoked the knowledge sharing and ideas exchange amongst us.

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Director - Formulations



  
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Pune - 411 044.

*Callidus Research Laboratories Pvt. Ltd.*

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

### Summary of activities under MOU

Sr no	Academic Year	Name of Activity	No of beneficiaries	Start Date	End Date
1	2018-2019	Internship	05	02/01/2019	04/02/2019
2	2022-2023	Internship	05	11/07/2022	15/08/2022
		Industrial visit	125	11/04/2023	11/04/2023

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## 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, Parol, 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.

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## 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 H8PC 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



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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 22<sup>nd</sup> 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.



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*[Signature]*  
Principal  
E. S. Modern College of Pharmacy  
Sector No.21, Yamunanagar, Nigdi,  
Pune - 411 004.

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### GOALS AND OBJECTIVES

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

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

### NOW THEREFORE THIS MEMORANDUM OF UNDERSTANDING WITNESSE AS UNDER

#### 1. Field of Co-Operation:

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

#### 2. Management and Administration:

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

#### 3. General Provisions:

- a. Both the parties will carry out collaborative research activities, as a follow up to this Memorandum of Understanding. The activities must be carried out in accordance with appropriate laws of India for the time being in force.
- b. BOTH THE PARTY may allot such joint projects to B. Pharm, M.Pharm, Pharm D and Ph.D. students with the help of the staff and students of their organization. The required equipment for carrying out the activity other than those available with



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Principal  
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Sector No.21, Yamunanagar, Nigdi,  
Pune - 411044

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

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Signed in Pune on 22/07/2017 in two original in English language.

For Party of the First Part	Progressive Education Society's Modern College of Pharmacy Sector 21, Yamunanagar, Nigdi, Pune - 411044	For Party of the Second Part	Haffkine Bio-Pharmaceutical Corporation Ltd, Bombay Pune Road, Pimpri, Next To Hindustan Antibiotics, Pune, Maharashtra 411018
Signature with seal	 Principal P.E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.	Signature with seal	 Dr. BABASAHEB P. KURHE MANAGER HAFFKINE BIO-PHARMACEUTICAL CORPORATION LTD. PIMPRI, PUNE-411 018.
Designation	Principal and Professor	Designation	Manager ATS
Name	Dr. Pravin D. Chaudhari Email ID: pdchaudhari21@rediffmail.com Contact: 9850179873	Name	Dr. B. P. Kurhe Email ID: ats@vaccinehaffkine.com, Contact: 020-27420209
Date	22/07/2017	Date	22/07/2017

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


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2018-2019



**Haffkine Bio-Pharmaceutical Corporation Ltd.**

A Govt. Of Maharashtra undertaking) PIMPRI, PUNE - 411018. PHONE (020) 27422208, 27421945, FAX: (020) 27420209

Regd Office: Acharya Dondo Marg, Parel, Mumbai - 400 012, (INDIA)  
Phones, 24129320-23 PUR: 24147564 MKT: 24146419 GRAM: HAFFKINE Mumbai - 400 012, TELEX: 11-7-1427  
HBPCIN FAX: 24188578

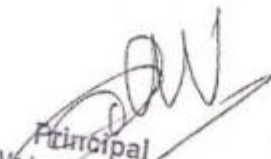
No.ATS / 52 Date: 7/2/2019



**CERTIFICATE**

This is to certify that Ms. ASHIYA AYUB MULANI student of third year B.Pharmacy, MODERN COLLEGE OF PHARMACY NIGDI, PUNE has successfully completed her one month Industrial Training from 02 Jan to 04 Feb 2019 at Haffkine Bio-Pharmaceutical Corporation Ltd., Pimpri, Pune-411018.

She has performed satisfactorily. I wish her best of luck for future endeavors.


Dr. Shivaji Gade  
Manager

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

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

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**Haffkine Bio-Pharmaceutical Corporation Ltd.**

A Govt. Of Maharashtra undertaking) PIMPRI, PUNE - 411018. PHONE (020) 27422200, 27421945, FAX: (020) 27420200


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


No.ATS / Date:7/2/2019


**CERTIFICATE**

This is to certify that Mr.RATHOD GHANSHYAM KAILAS student of third year B.Pharmacy, MODERN COLLEGE OF PHARMACY NIGDI, PUNE has successfully completed her one month Industrial Training from 02 Jan to 04 Feb 2019 at Haffkine Bio-Pharmaceutical Corporation Ltd., Pimpri, Pune-411018.

She has performed satisfactorily. I wish her best of luck for future endeavors.

  
Dr. Shivaji Gade  
Manager

  
Principal  
P. E. S. Modern College of Pharmacy  
Sector No.21, Yamunanagar, Nigdi,  
Pune - 411 044.

  
Principal  
P. E. S. Modern College of Pharmacy  
Sector No.21, Yamunanagar, Nigdi,  
Pune - 411 044.

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**Haffkine Bio-Pharmaceutical  
Corporation Ltd.**

(A Govt. Of Maharashtra undertaking)  
PIMPRI, PUNE - 411 018. PHONE (020) 27422206, 27421945, FAX : (020) 27420206

Regional Office: Aundha Scheme, Marol, Pune, Mumbai - 400 012 (MCA)  
Phones: 24 29320-23 PUF 24147564 MFC 24146419 GRAM - Haffkine, Mumbai - 400 012. TELEX 11-7-1427 HBPC IN FAX: 24146678

ATS/358

Date: 08-07-2018

**CERTIFICATE**

This is to certify that **Mr. Wakhare Yash Dilip**, student of Final Year B.Pharmacy, of Modern College of Pharmacy, Nigdi, Pune, 44, has successfully completed her one month Industrial Training from 9<sup>th</sup> June 2018 to 8<sup>th</sup> July 2018 at Haffkine Bio-Pharmaceutical Corporation Ltd., Pimpri, Pune-411018. She has performed satisfactorily. I wish her best of luck for future endeavors.

For Haffkine Biopharmaceutical Corp. Ltd

Manager



Principal  
P. E. S. Modern College of Pharmacy  
Sector No.21, Yamunanagar, Nigdi,  
Pune - 411 044.

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2022-2023

 **Haffkine Bio-Pharmaceutical Corporation Ltd.,**  
[A Govt. Of Maharashtra undertaking]  
PIMPRI, PUNE - 411 018. PHONE (020) 27422206, 27421945, FAX : (020) 27420209  
Regd Office : Acharya Daride 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 : 24160570

ATS/430 Date: 25.08.2022

**CERTIFICATE**

This is to certify that, Miss. Saakshi Surësh Khandagale student of Final Year B. Pharmacy, Modern College of Pharmacy, Nigdi, Pune – 411044 has successfully completed her one month industrial training from 15.07.2022 to 15.08.2022 at Haffkine Bio-Pharmaceuticals Corporation Ltd. Pimpri, Pune- 411018.

During her tenure we found her sincere, hardworking, punctual and technically sound and result oriented.

We wish her all the best for her future endeavors.

Haffkine Bio-Pharmaceuticals Corporation Ltd.

Dr. B. P. Kırhe  
Manager

  
Principal  
P. E. S. Modern College of Pharmacy  
Sector No.21, Yamunanagar, Nigdi,  
Pune - 411 044.

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**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/394

Date: 10/08/2022

**CERTIFICATE**

This is to certify that, Miss. Pratiksha Laxman Raut student of Final Year B. Pharmacy, PES's Modern College of Pharmacy, Nigdi, Pune - 411044 has successfully completed her one month industrial training from 11/07/2022 to 10/08/2022 at Haffkine Bio-Pharmaceutical Corporation Limited, Pimpri, Pune- 411018.

She was found punctual during training. We wish her best of luck for future endeavors.

Haffkine Bio-Pharmaceutical Corporation Ltd.



  
(Dr. B. P. Kurhe)  
Manager

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**P. E. Society's  
Modern College of Pharmacy Nigdi-44**

**Industry Visit 2022-23**

**Notice**

Date: 08/04/2023

All Teaching faculty, Non-teaching staff and students of B Pharm/M Pharm are hereby informed that, our college has organized industry visit for students, the details of visit are as follows

**Name of Place:** Haffkine Bio-Pharmaceutical Corporation Ltd, Pimpri Pune

**Name of class :** T Y B Pharm Div A & B, S Y M Pharm Cology

**Date:** 11 /04/2023 (Tuesday)

**Time for Visit:** 9:45 am

Contact persons during visit

Dr Smita Pimple

Dr V V Chopade: 9545452767

Prof. Prashant Pawar : 7875562252

Mrs. Priyanka Sarda: 72496 52496

Prof Shivraj Mane

**Dr. P. D. Chaudhari**

**Principal**

**Copy to**

1. Academic section
2. Class teachers
3. Office



  
**Principal**  
P. E. S. Modern College of Pharmacy  
Sector No.21, Yamunanagar, Nigdi,  
Pune - 411 044.

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PES Modern College of Pharmacy, Nigdi, Pune-44

Attendance of students for Industry Visit

Name of Place: Haffkine Bio-Pharmaceutical Corporation Ltd, Pimpri Pune

Name of class : T Y B Pharm Div B

Date: 11 /04/2023 (Tuesday)

Time for Visit: 9:45 am

Sr No	Name of Students	Signature of students
1.	Abhishek Gokul Shendurkar	
2.	Aditi Sadanand Nagle	
3.	Ajit Vishvanath Saini	
4.	Akash Baburao Pawar	
5.	Chaitanya Madhukar mali	
6.	Deveshree kiran Patil	
7.	Ganesh Pandurang Survase	
8.	Hrshikesh Anil Nikam	
9.	Ishwari Shaligram Masram	
10.	Jay Dashrath Rajgor	
11.	Kajal Ganpat Thete	
12.	Komal D Wankhade	
13.	Mohammad Sameer Rafik Shaikh	
14.	Neha Vijay Nevse	
15.	Pawan Ramrao Pawar	
16.	Prajakta Vikas Sathu	
17.	Pranaya Ramdas Nawale	
18.	pratham umesh pawar	
19.	Prathamesh Rajesh Panzade	
20.	Pratiksha Mahadev Pawar	
21.	Purna Dadasaheb Pardeshi	
22.	Prema Manohar Patil	
23.	Riya Shivaji Shirke	
24.	Sakshi Pravin Palve	
25.	Sandesh Bhausaheb Pawar	
26.	Sanika Anand Shelar	
27.	Sarode Vishal Shagati	
28.	Sarvesh Dipikar Karne	
29.	Shadan Abdulnazar Shaikh	
30.	Shreyas Madhukar Mohite	
31.	Shrushti Ananda Landge	

Principal

P. E. S. Modern College of Pharmacy  
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Pune - 411 044.

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32.	Siddhi Sudhir Waghule	<i>Siddhi</i>
33.	Srushti Dinesh Magade	<i>Srushti</i>
34.	Srushti Samir Phand	<i>Srushti</i>
35.	Sukanya Kalyan Vyavahare	<i>Sukanya</i>
36.	Swapnali Laxman Shedge	<i>Swapnali</i>
37.	Tanuja Ravindra Patil	<i>Tanuja</i>
38.	Vaishnavi Dadarao More	<i>More</i>
39.	Vaishnavi Machindra Shingade	<i>Vaishnavi</i>
40.	Vaishnavi Prakash Zond	<i>Vaishnavi</i>
41.	Vaishnavi Sunil Lokhande	<i>Vaishnavi</i>
42.	Vijay Uttam Shinde	<i>Vijay</i>
43.	Vinayakashish Pradiprao Kulkarni	<i>Vinay</i>
44.	Yash Dattatray Kudale	<i>Yash</i>
45.	Tanuja Ajinkya	<i>Tanuja</i>
46.	<i>Srushti</i>	<i>Srushti</i>
47.	Anjali Rajurwar	<i>Anjali</i>
48.	Rutwik Pawar	<i>Rutwik</i>
49.		
50.		

Faculty: Mr. Prashant Pawar, Mrs. Priyanka Sarda, Ms Sweteja Bhosle, Snehal Gojare

*Dr. V V Chopade*  
Dr. V V Chopade  
Incharge



*Dr. P. D. Chaudhari*  
Dr. P. D. Chaudhari  
Principal  
Principal  
P. E. S. Modern College of Pharmacy  
Sector No 21, Yamunanagar, Nigdi,  
Pune - 411 044

*Dr. P. D. Chaudhari*  
Principal  
Principal  
P. E. S. Modern College of Pharmacy  
Sector No 21, Yamunanagar, Nigdi,  
Pune - 411 044

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PES Modern College of Pharmacy, Nigdi. Pune-44

Attendance of students for Industry Visit

Name of Place: Haffkine Bio-Pharmaceutical Corporation Ltd, Pimpri Pune

Name of class : T Y B Pharm Div A

Date: 11 /04/2023 (Tuesday)

Time for Visit: 9:45 am

Sr No	Name of Students	Signature of students
1.	Piyush Mahesh Adhav	
2.	Sahil Anil Amble	
3.	Hitesh Yashwant Attarde	
4.	Pradnya Kaliyan Autade	
5.	Aditya laxman babhalkar	
6.	Snehal Sanjay Bagade	
7.	Rohit Anil Baheti	
8.	Sakshi Ashok Barangule	
9.	Sayali Narayan Bhagawat	
10.	Trupti Sudhir Bhangare	
11.	Sohan Narendra Bharambe	
12.	Vrushali Ravindra Bharate	
13.	Ashwini Jijaram Bharmal	
14.	Sakshi Sandip Bharti	
15.	Aniket Vinod Bhise	
16.	Devang Ramesh Bhokare	
17.	Bhumika Kishor Bhole	
18.	Rutuja Subrao Bhosale	
19.	Sneha Satish Bhusare	
20.	Aditi Sanjay Bonde	
21.	Anushka Dilip Boraste	
22.	Vidya Dilip Chaudhari	
23.	Chinmayee yuvraj chavan	
24.	Pratik Arun Chavan	
25.	Siddhi Sangram Chavan	
26.	Arti Anil Choudhari	
27.	Prachi Keshav Dadewad	
28.	Yashraj Ravindra Dhamale	
29.	Akanksha krishna dhanawade	
30.	Sanket Sanjay Dhangare	
31.	Om Kalu Dhangale	
32.	Gayatri Yogesh Dhangale	

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P. E. S. Modern College of Pharmacy  
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33.	Swamini Santosh Dhere	<i>Swamini</i>
34.	Soham Shekhar Doshi	<i>SD.</i>
35.	Shruti Bharat Gadhave	<i>Gadhave</i>
36.	Sudhir Girdhar Gaikwad	<i>Gaikwad</i>
37.	Vishal Sachin Gangawane	<i>Gangawane</i>
38.	Ashish Vishnu Garkal	<i>Garkal</i>
39.	Shreyash Arun Ghuikar	<i>Shreyash</i>
40.	Dipak Pandurang Gonde	<i>Gonde</i>
41.	Gore vikas madhukar	<i>Gore</i>
42.	Bhargavi Govind Govardhan	<i>Bh.</i>
43.	Deepti machindra gunjal	<i>Gunjal</i>
44.	Rajesh Munja Gutte	<i>Gutte</i>
45.	Pooja Shankar Hatkar	<i>Hatkar</i>
46.	Onkar Gajanan Jadhav	<i>Jadhav</i>
47.	Pranav Pramod Jadhav	<i>Jadhav</i>
48.	Aditi Pratap Jagtap	<i>Jagtap</i>
49.	Chaitali navnath Jedhe	<i>Jedhe</i>
50.	Sushil krishna Jha	<i>Jha</i>
51.	Rutuja Changdeo Kadam	<i>Kadam</i>
52.	Rajeshree Dnyandeo Kale	<i>Kale</i>
53.	Siddhi Siddharth Kamble	<i>Kamble</i>
54.	Harshda Bholeshankar kamthe	<i>Kamthe</i>
55.	Gauri Pradip karande	<i>Karande</i>
56.	Akshay chandrakant karpe	<i>Karpe</i>
57.	Aditya Kumar Kasar	<i>Kasar</i>
58.	Gaurav pavan kela	<i>Kela</i>
59.	Sakshi Ravindra Khadse	<i>Khadse</i>
60.	Ankita Pralhad Khaire	<i>Khaira</i>
61.	Prathamesh Nitin Khandge	<i>Khandge</i>
62.	Purva Munjaji Korde	<i>Korde</i>
63.	Deep Kishorkumar <sup>Bisen</sup>	<i>Bisen</i>
64.	Gautami Santosh Khinvasan	<i>Khinvasan</i>

Faculty: Mr. Prashant Pawar, Mrs. Priyanka Sarda, Ms Sweteja Bhosle, Snehal Gojare

*Dr. V V Chopade*  
Dr. V V Chopade  
Incharge



*Principal*  
Principal  
Dr. P. D. Chaudhari  
Modern College of Pharmacy  
Sector No. 21, Yamunanagar, Nigdi,  
Pune - 411 044.

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PES Modern College of Pharmacy, Nigdi, Pune-44

Attendance of students for Industry Visit

Name of Place: Haffkine Bio-Pharmaceutical Corporation Ltd, Pimpri Pune

Name of class : S Y M PHARM PHARMACOLOGY

Date: 11 /04/2023 (Tuesday)

Time for Visit: 9:45 am

Sr No	Name of Students	Signature of students
1.	Pratiksha Mujare	
2.	Dhruvashree karkar	
3.	Kajal Pawade	
4.	Arushi Bhundare	
5.	Pradnya Karkhade	
6.	Surabhi shinde	
7.	Nikita Pawar	
8.	Guravti Gadekar	
9.	Akanksha Amritkar	
10.	Pratiksha Tambe	
11.	Vinod Garkwad	
12.	Ganesh Pore	
13.	Abhijitkesh Deshmukh	
14.	Mohsin mansoori	
15.		
16.		
17.		
18.		
19.		
20.		

Dr. V V Chopade  
Incharge



Dr. P. D. Chaudhari  
Principal  
  
Principal  
P. E. S. Modern College of Pharmacy  
Sector No.21, Yamunanagar, Nigdi,  
Pune - 411 044.

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P.E.Society's  
Modern College of Pharmacy, Nigdi, Pune-44

**REPORT OF INDUSTRY VISIT 2022-23**

1.	Name of activity:	Industry visit for Students and Staff
2.	Name of Industry	Haffkine Bio-Pharmaceutical Corporation Ltd, Pimpri Pune
3.	Date of activity	11 /04/2023
4.	Total no students participate	M Pharm - 14 B Pharm - 111 Total - 125
5.	Occasion of activity	Industry Academic Interaction
6.	Place of visit	Anti Venom Production Department
7.	Objectives of activity	1. To get analytical knowledge, planning abilities, problem analysis, modern tool usage, professional identity, pharmaceutical ethics, life-long learning 2. To get importance of accuracy in practical's experiments 3. How to operate equipments in lab.
8.	Training given by	Dr. B P Kurhe
9.	Name of faculty with students	Dr. Smita Pimple Dr. V V Chopade Prof Prashant Pawar Prof Priyanka Sarda Prof Shivraj Mane
10.	Activity co-coordinator	: Dr. Vitthal V Chopade

  
Dr. V V Chopade  
Industry Visit Incharge




  
Principal  
P.E.S. Modern College of Pharmacy  
Sector No.21, Yamunanagar, Nigdi,  
Pune - 411 044

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Photos



  
Dr. V.V. Chopade  
Industry Visit Incharge



  
Principal  
P.E.S. Modern College of Pharmacy  
Sector No.21, Yamunanagar, Nigdi,  
Pune - 411 044.

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## TIE-UPS: VM EDULIFE PVT LTD, Pune

### Summary of activities under MOU

Sr no	Academic Year	Name of Activity	No of beneficiaries	Start Date	End Date
1	2018-2019	ERP Service Provider	Faculties Enrolled	01/07/2018	till date
		Personality development workshop	70	16/03/2019	16/03/2019
2	2019-2020	ERP Service Provider	Faculties Enrolled		till date
3.	2020-2021	ERP Service Provider	Faculties Enrolled		till date
4.	2021-2022	1. ERP Service Provider	Faculties Enrolled		till date
		2. Teacher Orientation Meeting	Faculties Enrolled	27/10/2021	27/10/2021
5.	2022-2023	ERP Service Provider	Faculties Enrolled		till date

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**VM EDULIFE PVT. LTD.**

Plot No. 81, Sector No. 25,  
Nigdi Pradhikaran,  
Pune, Maharashtra - 411044  
Tel. No. 07350352872

Ref. No. VMEDULIFE/OTU/2013-14/A-001

Date:- 18/7/2013

To,

Dr. P. D. Chaudhari,  
Principal,  
Modern College Of Pharmacy,  
Nigdi, Pune-411044

Subject: Regarding an official tie-up with Modern College Of Pharmacy, Nigdi

Dear Sir,

This is in reference to the above mentioned subject. As per your invitation for an official tie-up to implement online platform for self-assessment and conceptual learning for the students of first to final year and GAPT online test series for GPAT aspirants, we are very glad to join the hands for the same. We, **VM EDULIFE PVT LTD**, will initiate the implementation as early as possible in your college.

Best Regards,  
Manish Yeole

Manish Yeole  
( Director, VM EduLife Pvt. Ltd. )



**Principal**  
P. D. S. Modern College of Pharmacy  
Sector No.21, Yamunanagar, Nigdi,  
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Tomorrow's Life

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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.

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P. E. S. Modern College of Pharmacy  
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Pune - 411 044.

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## VM EDULife Pvt Ltd

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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



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Pune - 411 044.

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**VM EDULife Pvt Ltd**  
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**AUTHORISATION**

The signing of this MOU is not a formal undertaking. It implies that the signatories will strive to reach the objectives stated in the MOU, to the best of their ability.

**Partnering Organization:**

Name MODERN COLLEGE OF PHARMACY NIGDI, PUNE

Date 29.11.16

Title PRINCIPAL

Signature [Signature]

**Partnering Organization:**

Name VM EDULife PRIVATE LIMITED, PUNE

Date 29.11.2016

Title DIRECTOR

Signature [Signature]



**Principal**  
P. E. S. Modern College of Pharmacy  
Sector No.21, Yamunanagar, Nigdi,  
Pune - 411 044



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Recognized by DIIPP, Ministry of Commerce & Industry, Government of India.  
An Official Industry Associate of SCGI, Government of India.  
Official Member of NASSCOM.

#### MEMORANDUM OF UNDERSTANDING

BETWEEN

VMEDULIFE PRIVATE LIMITED

AND

PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF PHARMACY,  
SECTOR 21, YAMUNANAGAR, NIGDI, PUNE - 411044.

REGARDING IMPLEMENTATION OF VM EDULIFE PLATFORM FOR ALL STUDENTS AND FACULTIES TO ENHANCE LEARNING PROCESS BY USING ALL VARIOUS MODULES DEVELOPED BY vmedulife.

#### OBJECTIVE

The objective of this MOU is to express the willingness of both parties to engage and promote the Competitiveness of VMEDULIFE Private Limited as well as its activities to develop and expand relationships with PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF PHARMACY, SECTOR 21, YAMUNANAGAR, NIGDI, PUNE - 411044.

VMEDULIFE Private Limited agrees to provide technical assistance to assist PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF PHARMACY, SECTOR 21, YAMUNANAGAR, NIGDI, PUNE - 411044 for overall development of Students and faculties to make them competent.

PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF PHARMACY, SECTOR 21, YAMUNANAGAR, NIGDI, PUNE - 411044. agrees to work and coordinate with VMEDULIFE Private Limited in development of their initiatives to improve and expand support to the corporate interactions too for the student's overall improvement. They also agree to allow vmedulife to carry out monitoring and evaluation activities to assess the impact of these activities on participating.



VMEDULIFE Pvt. Ltd., S No.228, Office No. 404, Sanskruti Arcade, Wakad, 411057

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Recognized by DIIPP, Ministry of Commerce & Industry, Government of India.  
An Official Industry Associate of SCCI, Government of India.  
Official Member of NASSCOM

#### PARTNER ORGANIZATIONS

The Memorandum of Understanding is between:

1. VMEDULIFE Private Limited
2. PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF PHARMACY, SECTOR 21, YAMUNANAGAR, NIGDI, PUNE - 411044.

#### ROLES AND RESPONSIBILITIES

The Partnership/Advisory group is accountable for:

1. Removing obstacles to the partnership's successful delivery, adoption and use
2. Always maintaining the focus of the partnership on the agreed scope, outcomes and benefits
3. Monitoring and managing the factors outside the partnership's control that are critical to its success
4. The membership of the partnership/advisory group will commit to:
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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
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#### 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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An Official Industry Associate of SCGI, Government of India  
Official Member of NASSCOM.

#### RESOURCES

The institute needs to extend all the support for satisfactory implementation of all the modules and allow using the existing facilities for the activities related to the Institute only.

#### PERIOD OF VALIDITY

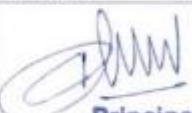


This agreement shall be initially valid for five years from the date of signing the agreement and to be renewed subsequently by mutual consent of both the parties.

#### ARBITRATION

The parties to the Agreement shall settle any dispute arising regarding any aspect of this Agreement through mutual consultations and agreements.

#### AUTHORISATION

The signing of this MOU is not a formal undertaking. It implies that the signatories will strive to reach the objectives stated in the MOU, to the best of their ability.

Partnering Organization: First Part	Progressive Education Society's Modern College of Pharmacy Sector 21, Yamunanagar, Nigdi, Pune - 411044	Partnering Organization: Second Part	VMEDULIFE PRIVATE LIMITED, Pune.
Signature with seal	 Principal P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.	Signature with seal	 
Designation	Principal and Professor	Designation	Executive, VMEDULIFE PRIVATE LIMITED
Name	Dr. Pravin D. Chaudhari	Name	Mr. Manish Yeole
Date	30.11.2021	Date	30.11.2021

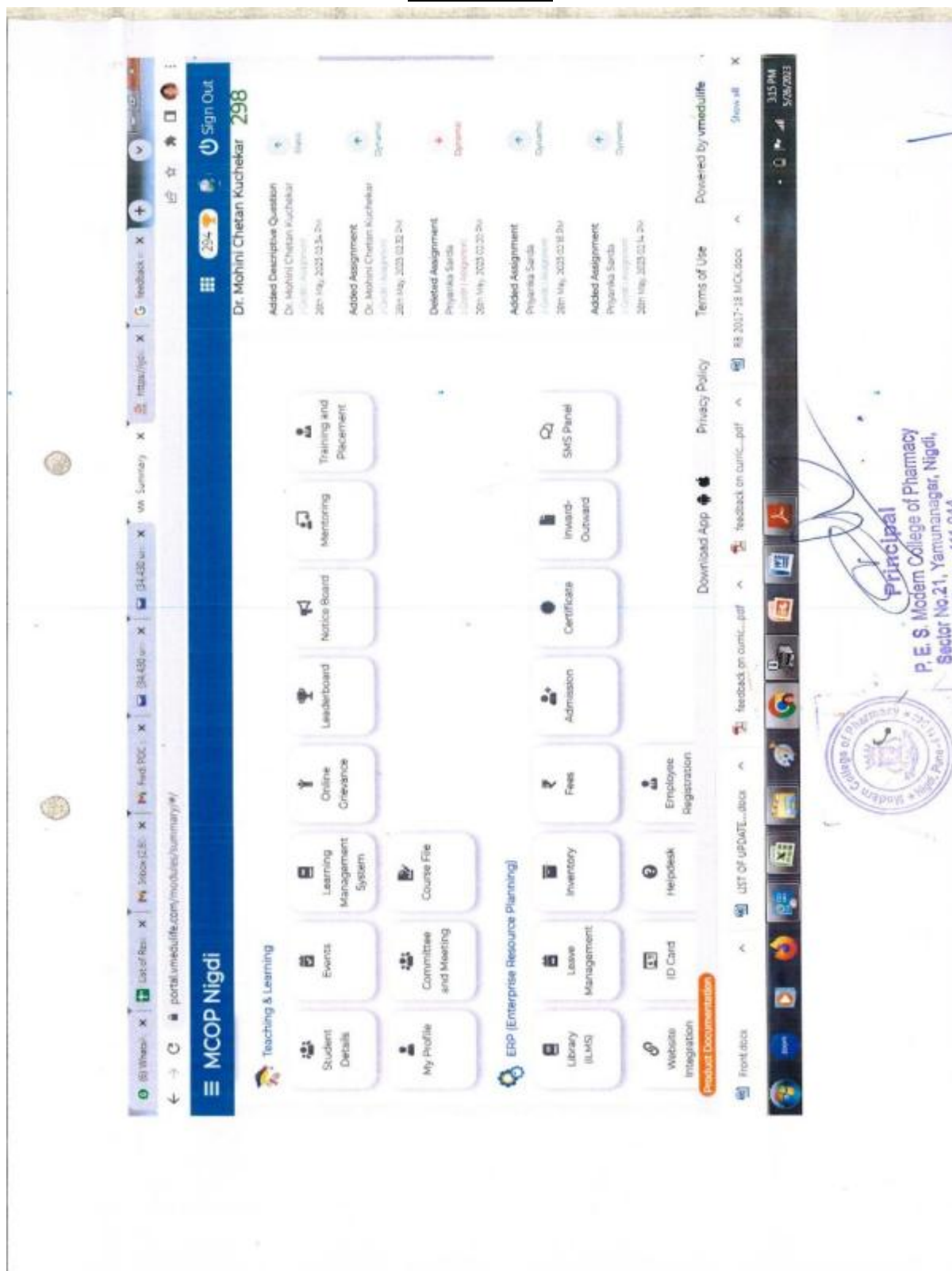


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2018-2023



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9/3/2019

Welcome to Rediffmail: Inbox

rediffmail

Methoxy of *karwinskii* 79

Subject: Corporate training workshop for B Pharm Final Year and PG students

From: vmedulife <info@vmedulife.com> on Fri, 08 Mar 2019 12:05:42

To: karimunnisa sameer shaikh <karima78@gmail.com>

Cc: pdchaudhary21@gmail.com

Dear Mom,

Greetings of the day

We are hereby giving confirmation for corporate training workshop to be scheduled for 16th Mar 19.  
[Timings will be 9.00 am to 12.00 pm]

We will soon share the details.

Please reply to email for confirmation.

Warm Regards,

Team vmedulife (India's unique integrated teaching learning platform)

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Contact No: +91 735 035 2872 / +91 839 070 1133

Website : [www.vmedulife.com](http://www.vmedulife.com)

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The responsibility of checking the authenticity of correspondence lies with you.

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**Principal**  
P. E. S. Modern College of Pharmacy  
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Pune - 411 044.

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2018-2019

**P. E. Society's  
Modern College of Pharmacy, Nigdi, Pune.  
Academic Year 2018-19**

Date: 11/03/19


**Training and Placement Cell**


**Notice**


All the faculty and students are hereby informed that a workshop has been arranged for the Final Year B. Pharm and M. Pharm Sem-IV students. Following are the details:

Title: Personality Development workshop (Interview skills and GD)  
Name of trainer: Purushottam Chandankar, VM Edulife Corporate Trainer  
Date: Saturday 16/03/19  
Time: 9.00 am – 12.00 noon  
Venue: Seminar hall

Students' attendance is compulsory.

  
Dr. Mrs. K S Shaikh  
Training and Placement Officer



  
Dr. P D Chaudhari  
Principal  
P. E. S. Modern College of Pharmacy,  
Yamunanagar, Sector No.21, Nigdi,  
Pune - 411 044.

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Progressive Education Society's  
**MODERN COLLEGE OF PHARMACY**

Accredited by 'NAAC'

'Best College Award' by Savitribai Phule Pune University



Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,  
Directorate of Technical Education, Mumbai (MS); Permanently affiliated to  
Savitribai Phule Pune University, Pune & Approved under Section (2 (f) & 12 (B) of UGC Act, 1956)

Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044. (M.S.) Tel. : 020-27661315 Fax : 020-2766 1314  
E-mail : mcpnigdi44@gmail.com Website : www.mcop.org.in

Prof. Dr. P. D. Chaudhari  
M.Pharm., Ph.D.  
Principal

Prof. Dr. Gajanan R. Ekbot  
M.S., M.N.A.M.S  
Chairman, Business Council  
P.E. Society, Pune

Ref. :

Date : 11/03/19

To,  
The Director,  
VM Edulife Pvt. Ltd.,  
Pune.

Subject: Invitation to conduct a workshop on "Interview skills and personality Development"

Dear Sir/ Madam,

Modern College of Pharmacy, Nigdi, Pune is affiliated to Savitribai Phule Pune University and is approved by AICTE, New Delhi for conducting B. Pharm and M. Pharm (specialising in Pharmaceutics, Pharm. Chemistry, Pharmacology and Quality Assurance Techniques) courses. The institute focuses on qualitative growth of its students and develops a multifaceted personality capable of always learning and coping with the challenges in the 21<sup>st</sup> century.

The Training and Placement Cell of the college plays a crucial role in counseling and guiding the learners of the college for their successful career placement. It makes every effort to provide exhaustive training to the students with relevance to communication skills, aptitude test, demeanor, comport and overall development for enhancing their employability. We believe that your expertise in the field of personal & professional grooming is unparalleled. It is an honour and privilege to invite you to train our students on "Interview skills and personality Development". I request you to conduct a workshop on the same theme on 16<sup>th</sup> March 2019 at our college.

Kindly accept our invitation. We look forward to a positive confirmation.

Thanking you,

Yours truly,

Dr. Ms. K S Shaikh  
Training and Placement Officer



Dr. P. D. Chaudhari  
Principal

Principal  
P. E. S. Modern College of Pharmacy  
Yamunanagar, Sector No.21, Nigdi,  
Pune - 411 044.

STRIVING TOWARDS EXCELLENCE FOREVER

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P. E. Society's Modern College of Pharmacy, Nigdi, Pune-411044

Training and Placement Cell

Personality Development Workshop (Interview skills and Group Discussion)

ATTENDANCE SHEET

Name of speaker : Mr. Puroshottam Chandankar, VM Edulife Pvt. Ltd.

Date :

Sr. No.	Name of student	Class	Signature
1.	Ingale Sanal Sudam	B. Pharm	AS
2.	Kazi Tajheen A.	B. Pharm	Tajheen
3.	Snehal Sanjay Dutar	B. Pharm	Snehal
4.	Shinde Ashleekha Rohidas	B. Pharm	Shinde
5.	Patil Kshama Kadam	B. Pharm	Kadam
6.	Roshani Abhale	B. Pharm	Abhale
7.	Tyoti Mundhe	B. Pharm	Tyoti
8.	Shraddha Sattkar	B. Pharm	Shraddha
9.	Sabaanjum Shaikh	B. Pharm	Sabaanjum
10.	GAYATRI SARAVADE	B. Pharm	GS
11.	Ashi M. Peste	B. Pharm	Peste
12.	Kakade pooja	B. Pharm	Kakade
13.	Jadhav Nikita Netaji	B. Pharm	Nikita
14.	Aam Ronan Luxman	B. Pharm	Aam
15.	Shelke Madhavi Raghunath	B. Pharm	Shelke
16.	Kindan Chaudhary	B. Pharm	Kindan
17.	Saurabh Shinde	B. Pharm	SS
18.	Shinde Shubham S.	B. Pharm	Shinde
19.	Jagtap Akash	B. Pharm	Jagtap
20.	Ram Swar	B. Pharm	Ram
21.	Shikalgas Jaisin	B. Pharm	Shikalgas
22.	Shah Padmaj	B. Pharm	Shah
23.	Gavankar Rashika	B. Pharm	Gavankar
24.	Pratik Kale	B. Pharm	Pratik
25.	Sushin B. Harke	B. Pharm	Sushin

Principal

P. E. S. Modern College of Pharmacy  
Sector No. 21, Yamunanagar, Nigdi,  
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P. E. Society's Modern College of Pharmacy, Nigdi, Pune-411044

Training and Placement Cell

26.	Nikunj K. Gabhale	M.pharm (QA/QC)	
27	Rathod. Mallinath. panu	M.pharm (Pharm)	
28)	Rathod Ghanshyam Kailas	B. pharm	
29)	Rajput Chhatrapalsing. Juvonising	Anal. ph. B. Pharm.	
30)	Shutnam Ramchandra Tehade	Final yr B pharm	SRK
31)	Dabhi Rajashree Eknath	Final year Bph	
32	Ashiya Mulani	Final yr B pharm	
33.	Jagruhi A. Patil.	Final yr B pharm	
34	Rohit Tanale. woahmael		
35	Yam wakhale		
36)	Lohit Kitan.		
37	Swapnil Sarankar		
38)	Prashant Ghode		
38	Shukla Deepak		
39	Swami Gargasagar U.	M. pharm 1 <sup>st</sup> yr	
40	Manorama Yadav	M Pharm (F.Y.)	
41	Priyanka D. Tembe	F.Y. M.Ph (Pharm)	
42	Dhage Shyamsundar	TY B Pharm	
43	Amrute Prasad Ravindra	B Pharm	
44	Swapnil Chinchote	B pharm	
45	Yash Chavon	B Pharm	

Dr. Mrs. K S Shaikh / Ms. Minal T Harde/ Ms. Nikita Gaikwad  
(Training and placement Incharge)

(Name &amp; sign of Company Representatives)

Principal

P. E. S. Modern College of Pharmacy  
Sector No.21, Yamunanagar, Nigdi,  
Pune - 411 044.

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P. E. Society's Modern College of Pharmacy, Nigdi, Pune-411044

Training and Placement Cell

Personality Development Workshop (Interview skills and Group Discussion)

ATTENDANCE SHEET

Name of speaker

: Mr. Puroshottam Chandankar, VM Edulife Pvt. Ltd.

Date

:

Sr. No.	Name of student	Class	Signature
1.	Dipali U. Bhondwe	M. Pharm	<i>[Signature]</i>
2.	Dhanashri K. Joshi	M. Pharm	<i>[Signature]</i>
3.	Sayali D. Shinde	M. Pharm	<i>[Signature]</i>
4.	Mayuri A. Sawant	M. Pharm	<i>[Signature]</i>
5.	Malusare Anita Vijay	M. Pharm	<i>[Signature]</i>
6.	Bhavesh Mohanlal Choudhary	M. Pharm	<i>[Signature]</i>
7.	Kasbe Sneha Madhavrao	M. Pharm	<i>[Signature]</i>
8.	Swati H. Iakhede	M. Pharm	<i>[Signature]</i>
9.	Poonam B. Rastkar	M. Pharm	<i>[Signature]</i>
10.	Snehal A. Kumbhar	M. Pharm	<i>[Signature]</i>
11.	Pooja A. Newale	M. Pharm	<i>[Signature]</i>
12.	Shivani R. Kalokhe	M. Pharm	<i>[Signature]</i>
13.	Kamal P. Gaikwad	M. Pharm	<i>[Signature]</i>
14.	Samiksha P. Tayade	M. Pharm	<i>[Signature]</i>
15.	Mayur S. Patil	M. Pharm	<i>[Signature]</i>
16.	Rakshita M. Chaudhari	M. Pharm	<i>[Signature]</i>
17.	Kajal K. Darye	M. Pharm	<i>[Signature]</i>
18.	Bhakti G. Dalavi	M. Pharm	<i>[Signature]</i>
19.	Aniket Kadam	M. Pharm	<i>[Signature]</i>
20.	Saroja P. Adepawar	M. Pharm	<i>[Signature]</i>
21.	Moin Abdul Akhbari	M. Pharm	<i>[Signature]</i>
22.	Prajakta Dhaybhari	M. Pharm	<i>[Signature]</i>
23.	Vaibhav Raut	M. Pharm	<i>[Signature]</i>
24.	Kumari Bandana	M. Pharm	<i>[Signature]</i>
25.	Kamble Diksha	M. Pharm	<i>[Signature]</i>

Principal

P. E. S. Modern College of Pharmacy  
Sector No.21, Yamunanagar, Nigdi,  
Pune - 411 044.[Back to Index A](#)



Personality Development workshop (Interview skills and GD)

Name of trainer:

Purushottam Chandankar, VM Edulife Corporate Trainer



Principal  
P. E. S. Modern College of Pharmacy  
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Pune - 411 044

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**Principal**  
P. E. S. Modern College of Pharmacy  
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2021-2022

P. E. SOCIETY'S MODERN COLLEGE OF PHARMACY, NIGDI, PUNE-44

## Notice

Date: 27/10/2021

Dear Faculty,

As per directives of principal sir we are arranging Teaching orientation meeting with VM edulife team at seminar Hall on 27/10/2021 at 2.30pm. All faculties are requested to attend meeting. Faculties can give their suggestions and ask their queries at the end of meeting.

Date: 27/10/2021

Time: 2.30pm

Venue: Seminar Hall

Dr. Mohini Kuchekar

In-charge

Dr. P.D. Chaudhari

Principal

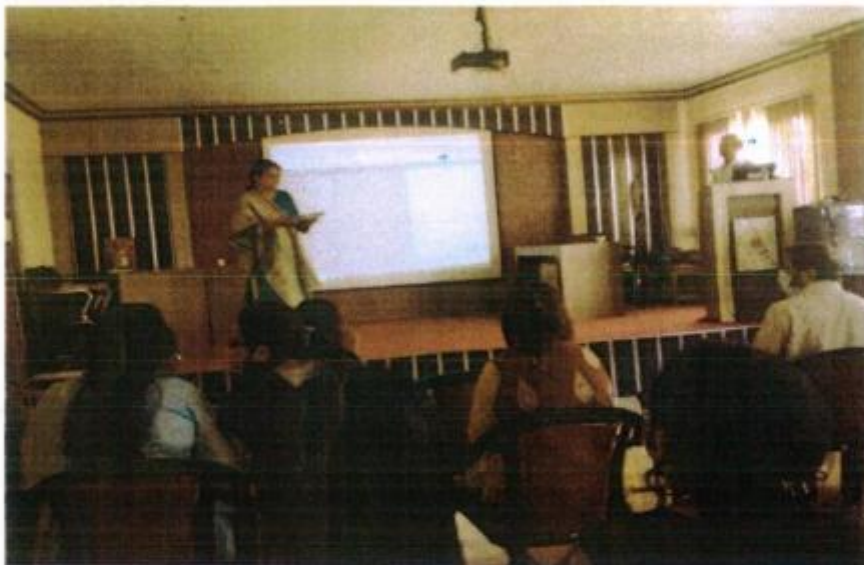
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Teaching orientation meeting with VM edulife team at seminar Hall On  
27/10/2021



**Principal**

P. E. S. Modern College of Pharmacy  
Sector No.21, Yamunanagar, Nigdi,  
Pune - 411 044.

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Attendance of Teaching orientation meeting with VM edulife team at seminar Hall on 27/10/2021

Name of Faculty	Sign	Name of Faculty	Sign
Dr. S.B. Jadhav		Dr. A.G. More	
Dr. A.A. Phatak		Ms. R. A. Jinturkar	
Dr. D.D. Bandawane		Dr. U. S. Desai	
Dr. S.S. Pimple		Dr. A. R. Kumbhar	
Dr. K.S. Shaikh	-	Dr. R. P. Chavan	
Dr. U.C. Galgatte	-	Mr. D. L. Visokar	
Dr. S.S. Nipate		Mrs. P. P. Sarda	
Dr. B.P. Pimple		Mrs. S. A. Vadje	
Dr. V.V. Chopade		Mrs. S. D. Chaudhari	
Dr. A.R. Balap		Dr. R. B. Mali	
Dr. M.T. Harde		Dr. M. S. Khaparde	
Dr. K.S. Kakad		Mr. R.M. Gurav	
Dr. P.M. Patil		Ms. S. A. Kale	
Dr. M.C. Kuchekar		Mr. P. A. Pawar	
Dr. A.S. Tapkir		Ms. S.C. Gupta	
Mr. S.Y. Chaudhari		Ms. S. S. Bhosale	
Ms. N. M. Gaikwad		Ms. N. K. Kale	
Dr. P.S. Kore			

Incharge : Dr. M. C. Kuchekar



Principal  
P. E. S. Modern College of Pharmacy  
Sector No.21, Yamunanagar, Nigdi,  
Pune - 411 044.

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## TIE-UPS: Nu-Life Pharmaceuticals, Pimpri, Pune

### Summary of activities under MOU

Sr no	Academic Year	Name of Activity	No of beneficiaries	Start Date	End Date
1	2018-2019	Internship	24	01/01/2019	31/01/2019
		Industrial visit	40	21/02/2019	21/02/2019
2	2019-2020	Internship	35	04/06/2019	31/07/2019
		Industrial visit	50	25/01/2020	25/01/2020
3.	2020-2021	Internship	40	02/03/2021	07/10/2021
4.	2021-2022	Internship	03	09/07/2021	16/09/2021

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**NuLife**

**NuLife  
Pharmaceuticals**

Plot no. 63, F-2 Block, MIDC,  
Pimpri Industrial Area,  
Behind TATA MOTORS,  
Pimpri, Pune 411018. ( INDIA )  
Tel : +91 20 27473346, 27477346.  
Fax : +91 20 27474620.

To,  
Prof. Dr. P. D. Chaudhari,  
Principal,  
Modern College of Pharmacy,  
Nigdi, Pune 44.

Reference :

Date: 13/08/2012



II (12)

Dear Sir,


With reference to your letter regarding Industry Institute Partnership Cell (IIPC) we are interested to contribute in following activities jointly with Modern College of Pharmacy, Nigdi, Pune 44.

- 1) To arrange industrial visits and industrial training for students
- 2) To carryout collaborative projects for undergraduate and postgraduate students.
- 3) To arrange placements for students.
- 4) To give association in curriculum development as and when necessary.
- 5) To deliver guest lectures and seminars of eminent personalities of industry to update the student's knowledge.
- 6) To promote and participate in income generation activities for institution by consultancy and R & D.
- 7) To take the services from institute like 1) Library and information services, 2) Access to institute research information services 3) Access to laboratory facilities.
- 4) Access to set up common facilities for industry and institute.
- 8) To arrange industrial visits and current industrial practices for teaching staff to integrate in teaching learning process.

Regards,

  
Sudhir Pandya  
Manager  
Email – [pandyasudhir@hotmail.com](mailto:pandyasudhir@hotmail.com)



  
Principal  
P. E. S. Modern College of Pharmacy  
Sector No.21, Yamunanagar, Nigdi,  
Pune - 411 044.

Registered Office : 203, Pleasant Apartments, 15th lane, Prabhat road, Pune 411004. INDIA.  
Tel : +91 20 25676473, 25678872. email, [contactus@nulifepharma.com](mailto:contactus@nulifepharma.com); Website: [www.nulifepharma.com](http://www.nulifepharma.com)

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2018-2019

**NuLife PHARMACEUTICALS**

PLOT NO. 63, F - 2 BLOCK, MID.C.,  
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FAX +91 20 27130620  
Email: [contactus@nulfepharma.com](mailto:contactus@nulfepharma.com)  
Website: [www.nulfepharma.com](http://www.nulfepharma.com)



To,  
The Principal  
Modern college of pharmacy, Nigdi.  
Pune- 411044

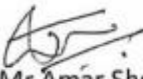
Date-1/2/2019


**CERTIFICATE**


This is to certify that Ms.Pooja Shivaji Kakade student  
of B.Pharm Final year Modern College of pharmacy, Nigdi. Pune has  
successfully completed her one month In-plant training during 01 Jan to 31  
Jan2019 in Nulife Pharmaceuticals Pimpri, Pune.


Her attendance was regular and conduct was satisfactory.  
Best wishes for her future.

For Nulife Pharmaceuticals

  
Mr. Amar Shelke  
(Training officer)



  
Principal  
P. E. S. Modern College of Pharmacy  
Sector No.21, Yamunanagar, Nigdi,  
Pune - 411 044.

  
Principal  
P. E. S. Modern College of Pharmacy  
Sector No.21, Yamunanagar, Nigdi,  
Pune - 411 044.

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## NuLife PHARMACEUTICALS

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FAX : +91 20 27130520  
Email : [contactus@nulfepharma.com](mailto:contactus@nulfepharma.com)  
Website : [www.nulfepharma.com](http://www.nulfepharma.com)



To,  
The Principal  
Modern College of pharmacy, Nigdi .  
Pune-411044

Date:- 22/2/19

### CERTIFICATE

This is to certify that Mrs. Rajashree Eknath Dalvi student of  
B.Pharm Final year Modern Collage of Pharmacy, Nigdi. Pune has successfully  
completed her one month In-plant training during 01 Jan to 31 Jan 2019 In Nulife  
Pharmaceutical Pimpri, Pune.


Her attendance was regular and conduct was satisfactory.

Best wishes for her future.

For Nulife Pharmaceuticals

Mr. Amar Shelke

(Training officer)

  
Principal  
E. S. Modern College of Pharmacy  
Sector No.21, Yamuna Nagar, Nigdi,  
Pune



REGD. OFFICE : 203, PLEASANT APARTMENTS, 15 TH LANE, PRABHAT ROAD, PUNE 411 004 (MAHARASHTRA) INDIA  
TEL. : +91 20 25676473, 25678942 FAX : +91 20 25678872 Email : [contactus@nulfepharma.com](mailto:contactus@nulfepharma.com) Website : [www.nulfepharma.com](http://www.nulfepharma.com)

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# NuLife PHARMACEUTICALS

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PIMPRI INDUSTRIAL AREA  
PIMPRI, PUNE 411 018 (M.S.) INDIA  
TEL : +91 22 27810346, 27810345  
FAX : +91 22 27810320  
Email : [contact@nulinepharm.com](mailto:contact@nulinepharm.com)  
Website : [www.nulinepharm.com](http://www.nulinepharm.com)



To,  
The Principal  
Modern College of pharmacy, Nigdi,  
Pune-411044

Date: - 30/06/2018

## CERTIFICATE

This is to certify that Miss. Tajheen Azmztulla Kazi student of  
B.Pharm Final year Modern Collage of Pharmacy, Nigdi, Pune has successfully  
Completed her one month In-plant training during 1 June To 30 June 2018 In NuLife  
Pharmaceutical Pimpri, Pune.

Her attendance was regular and conduct was satisfactory.  
Best wishes for her future.

For Nulife Pharmaceuticals

Mr. Amar Shelke

(Training officer)

**Principal**  
P. E. S. Modern College of Pharmacy  
Sector No.21, Yamunanagar, Nigdi,  
Pune - 411 044.



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# NuLife PHARMACEUTICALS

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Email : [contactus@nulfepharma.com](mailto:contactus@nulfepharma.com)  
Website : [www.nulfepharma.com](http://www.nulfepharma.com)



To,  
The Principal  
Modern College of pharmacy, Nigdi.  
Pune-411044

Date: - 30/06/2018

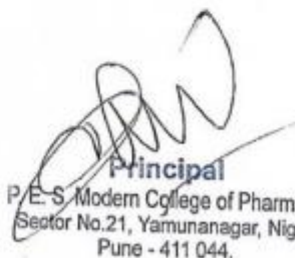
## CERTIFICATE

This is to certify that Mr. Kavutke Rohit Vishvas student of  
B.Pharm Final year Modern Collage of Pharmacy, Nigdi. Pune has successfully  
Completed her one month In-plant training during 1 June To 30 June 2018 In NuLife  
Pharmaceutical Pimpri, Pune.

Her attendance was regular and conduct was satisfactory.  
For Nulife Pharmaceuticals  
Best wishes for him future.

Mr. Amar Shelke

(Training officer)

  
Principal  
P.E.S. Modern College of Pharmacy  
Sector No.21, Yamunanagar, Nigdi,  
Pune - 411 044.



REGD. OFFICE : 203, PLEASANT APARTMENTS, 15 TH LANE, PRABHAT ROAD, PUNE 411 004 (MAHARASHTRA) INDIA  
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P. E. Society's  
Modern College of Pharmacy Nigdi-44  
Academic year 2018-19

Notice

Date: 11/02/2019

All Teaching faculty, Non teaching staff and students of B Pharm are hereby informed that, our college has organize Industry visit for B. Pharm studentrs, the details of trip is as follows

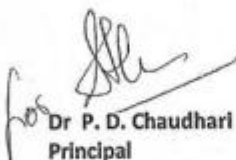
Name of Place : NuLife Pharmaceuticals Bhosari Industrial Estate, Pimpri MIDC, Pune,

Name of class : First Year and Third year B. Pharm

Date: 21/ 02/2019 (Thursday )

Time for departure from college: 10 am

Selected students: list attached

  
Dr P. D. Chaudhari  
Principal

Copy to

1. Academic section
2. Class teacher
3. Exam section
4. Office
5. Circulation to all faculty
6. Circulation to all students



  
Principal  
P. E. S. Modern College of Pharmacy  
Sector No.21, Yamunanagar, Nigdi,  
Pune - 411 044.

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## PES Modern College of Pharmacy, Nigdi, Pune-44

## Attendance of students for Industrial visit

Venue: NuLife Pharmaceuticals Bhosari Industrial Estate, Pimpri MIDC, Pune,

Class: F Y B Pharm and T Y B Pharm

Date: 21/02/2019

Time 10:00 am onwards

Sr. No	Name of Students	Class	Signature
1.	CHOUDHARY RADHIKA	T Y B Pharm	
2.	CHOUDHARY SANDEEP	T Y B Pharm	
3.	CHOUDHARY SAVITA	T Y B Pharm	
4.	DALVI TEJASWINI HANUMAN	T Y B Pharm	
5.	DHAGE SHYAMSUNDAR LAXMAN	T Y B Pharm	
6.	JADHAV MAYURESH	T Y B Pharm	
7.	JOSHI AJAY ANIL	T Y B Pharm	
8.	MEKHE ANIKET RAJENDRA	T Y B Pharm	
9.	MORE MAYUR SATISH	T Y B Pharm	
10.	DHUMAL NEHA VINOD	F Y B Pharm	
11.	GIRI RUTUJA VITTHAL	F.Y.B.Pharm	
12.	DATE MAYURESH SITARAM	F.Y.B.Pharm	
13.	KALASKAR SMITESH NARAYAN	F.Y.B.Pharm	
14.	GULHANE RITEEKA RAVINDRA	F.Y.B.Pharm	
15.	PATIL DINESH VASUDEV	F.Y.B.Pharm	
16.	PATIL SHUBHAM MAHADEV	F.Y.B.Pharm	
17.	KHEDEKAR TEJAS GULAB	F.Y.B.Pharm	
18.	HAGE VAIBHAV GANESH	F.Y.B.Pharm	
19.	HAMDULAY YUSRA RAFIQ	F.Y.B.Pharm	
20.	GOHIL KHUSHABU BHIKUBHAI	F.Y.B.Pharm	
21.	SUPE AKSHAY RAMDAS	F.Y.B.Pharm	
22.	TARU DEEPAK KHANDU	F.Y.B.Pharm	
23.	GATKAL KAJAL BALIRAM	F.Y.B.Pharm	
24.	SHIRSAT PRANALI SANJAY	F.Y.B.Pharm	
25.	HARNE SHIVANI SAHADEO	F.Y.B.Pharm	
26.	SURYAWANSHI VAIBHAVI	F.Y.B.Pharm	
27.	SAMBRE SHIVAM HEMANT	F.Y.B.Pharm	
28.	KALE RUSHIKESH HANMANT	F.Y.B.Pharm	
29.	ROKADE MANISH SUBHASH	F.Y.B.Pharm	
30.	SHINDE SHIVANJALI BHALLA	F.Y.B.Pharm	
31.	RAUT PRATIKSHA LAXMAN	F.Y.B.Pharm	
32.	NEMMANIWAR ABHINAV SUSTIL	F.Y.B.Pharm	
33.	RANAWARE SUNITA RAMDAS	F.Y.B.Pharm	

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34.	HANDE MAITHIL DATTATRAY	F.Y.B.Pharm	Mihade
35.	NACHAN NISHIKANT ANIL	F.Y.B.Pharm	Adhori
36.	BOROLE SAMIKSHA VISHNU	F.Y.B.Pharm	Samiksha
37.	Vinayote Omkar Vinayote	T.Y.B.Pharm	Vinayote
38.	Makode Saniko Balakheb	T.Y.B.Pharm	Saika
39.	more chaitrali Ragbunath	T.Y.B.Pharm	Chaitrali
40.	Kamble Diksha S.	F.Y.B.Pharm	Diksha

  
Dr V V Chopade  
Industrial visit incharge

  
Dr P S Uttekar  
Alumni incharge



  
Principal  
P. E. S. Modern College of Pharmacy  
Sector No.21, Yamunanagar, Nigdi,  
Pune - 411 044.

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P.E.Society's  
Modern College of Pharmacy, Nigdi. Pune-44

REPORT OF ACTIVITY 2018-19

1.	Name of activity:	Industry visit for B. Pharm students
2.	Name of Industry	NuLife Pharmaceuticals Bhosari Industrial Estate, Pimpri MIDC, Pune,
3.	Date of activity	21/02/2019
4.	Total no students participate	40+ 2 staff
5.	Occasion of activity	Industry Academic Interaction
6.	Place of Visit	Manufacturing, packaging and QC operation NuLife Pharmaceuticals
7.	Objectives of activity	1. To get knowledge about working procedure of manufacturing, packaging and QC unit of Pharma. industry 2. To get importance of accuracy in practical's experiments
8.	Training Given by	Mr. Amar Shelke Training manager Nu Life Miss Nirvi Gandhi QA executive at nulife pharmaceuticals
9.	Name of faculty with students	Dr Pravin Uttekar, Dr. Vitthal V Chopade
10.	Activity co-coordinator	:Dr. Vitthal V Chopade and Dr Pravin Uttekar



Group Photo during Industry visit with Mr Amar Shelke training manager NuLife Pharmaceuticals Pune

Dr V V Chopade  
Industry visit Incharge  
MCOP Nigdi



Dr P D Chaudhari  
Principal  
MCOP Nigdi  
P. E. S. Modern College of Pharmacy  
Sector No.21, Yamunanagar, Nigdi,  
Pune - 411 044.

1

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2019-2020

**NuLife PHARMACEUTICALS**

PLOT NO. 63, F - 2 BLOCK, M.I.D.C.,  
PIMPRI INDUSTRIAL AREA,  
PIMPRI, PUNE 411 018 (M.S.) INDIA  
TEL : +91 20 27130346, 27130746  
FAX : +91 20 27130620  
Email : [contactus@nulifepharma.com](mailto:contactus@nulifepharma.com)  
Website : [www.nulifepharma.com](http://www.nulifepharma.com)



To  
The Principal  
Modern college of pharmacy, Nigdi.  
Pune- 411044

Date-08/07/2019

**CERTIFICATE**

This is to certify that Mr. Mahesh Hanmantrao Tidke student of B.Pharm 3<sup>rd</sup> year Modern College of pharmacy, Nigdi. Pune has successfully completed his one month In-plant training during 04 June 2019 to 04 July 2019 in Nulife Pharmaceuticals Pimpri, Pune.

His attendance was regular and conduct was satisfactory.  
Best wishes for his future.

For Nulife Pharmaceuticals

  
Mr. Amar Shelke  
(Training officer)



  
Principal  
P. E. S. Modern College of Pharmacy  
Sector No.21, Yamunanagar, Nigdi,  
Pune - 411 044.



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# NuLife PHARMACEUTICALS

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TEL +91 20 27130348, 27130748  
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Email [contactus@nulfepharmaceuticals.com](mailto:contactus@nulfepharmaceuticals.com)  
website [www.nulfepharmaceuticals.com](http://www.nulfepharmaceuticals.com)



To,  
The Principal  
Modern college of pharmacy, Nigdi.  
Pune- 411044

Date-14/8/2019

## CERTIFICATE

This is to certify that Miss. Laxmi Rataram Choudhary student of B.Pharm 3<sup>rd</sup> year Modern College of pharmacy, Nigdi. Pune has successfully completed her one month In-plant training during 18 June 2019 to 18 July 2019 in Nulife Pharmaceuticals Pimpri, Pune.

Her attendance was regular and conduct was satisfactory.

Best wishes for her future.

For Nulife Pharmaceuticals

Mr. Amar Shelke

(Training officer)



Principal  
P. E. S. Modern College of Pharmacy  
Sector No.21, Yamunanagar, Nigdi,  
Pune - 411 044.



REGD. OFFICE: 203, PLEASANT APARTMENTS, 15 TH LANE, PRABHAT ROAD, PUNE 411 004 / MAHARASHTRA

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## NuLife PHARMACEUTICALS

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TEL : +91 20 27130346, 27130746  
FAX : +91 20 27130620  
Email : contactus@nulifepharma.com  
Website : www.nulifepharma.com



To,  
The Principal  
Modern college of pharmacy, Nigdi,  
Pune- 411044.

Ref: 161/2020-2021

Date-25/1/2020

### CERTIFICATE

This is to certify that 50 students of B.Pharm 3<sup>rd</sup> Year  
along with 2 faculty members have visited various departments of our  
factory premises on Saturday 25.1.2020.

visited various departments like tablet, capsule, cream, ointment,  
lotion, ear drops, oral liquid, store, packing and quality control.

For NuLife Pharmaceuticals

Mr. Sudhir Devale  
(Hr Manager)



Principal  
P. E. S. Modern College of Pharmacy  
Sector No.21, Yamunanagar, Nigdi,  
Pune - 411 044.

REGD. OFFICE : 203, PLEASANT APARTMENTS, 15 TH LANE, PRABHAT ROAD, PUNE 411 004 (MAHARASHTRA) INDIA  
TEL : +91 20 25676473, 25678942 FAX : +91 20 25678872 Email : contactus@nulifepharma.com Website : www.nulifepharma.com

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P. E. Society's  
Modern College of Pharmacy Nigdi-44

### Notice

Date: 20/01/2020

All Teaching faculty, Non teaching staff and students of B Pharm are hereby informed that, our college has organize industry visit for B. Pharm studentrs, the details of visit schedule is as follows


**Name of Place :** Nulife Pharmaceuticals, Plot No 63, F2 Block, MIDC, Bhosari Industrial Estate, Pimpri, Pune, Maharashtra 411018

**Name of class :** Third year B. Pharm

**Date of visit:** 25/ 01/2020 (Saturday)

**Time for departure from college:** 9 am

**Selected students:** list attached

  
Dr. V V Chopade  
Industry visit in-charge



  
Dr P. D. Chaudhari  
Principal

**Principal**  
P. E. S. Modern College of Pharmacy  
Sector No.21, Yamunanagar, Nigdi,  
Pune - 411 044.

**Copy to**

1. Academic section
2. Class teacher
3. Exam section
4. Office
5. Circulation to all faculty
6. Circulation to all students

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P.E.Society's  
Modern College of Pharmacy, Nigdi, Pune-44

REPORT OF ACTIVITY 2019-20

1.	Name of activity:	Industry visit for B. Pharm students
2.	Name of industry	NuLife Pharmaceuticals Bhosari Industrial Estate, Pimpri MIDC, Pune,
3.	Date of activity	20/01/2020
4.	Total no students participate	50+ 2 staff
5.	Occasion of activity	Industry Academic Interaction
6.	Place of visit	Manufacturing, packaging and QC operation NuLife Pharmaceuticals
7.	Objectives of activity	<ol style="list-style-type: none"><li>1. To get pharmacy knowledge, planning abilities, problem analysis, modern tool usage, professional identity, pharmaceutical ethics, communication, environment and sustainability, life-long learning.</li><li>2. To know working procedure of manufacturing unit and QAQC dept of Pharmaceutical industry</li><li>3. To get importance of accuracy in practical's experiments How to operate equipments in pharma industry.</li></ol>
8.	Training given by	Mr. Amar Shelke Training manager Nu Life Miss Nirvi Gandhi QA executive at nulife pharmaceuticals
9.	Name of faculty with students	Dr Kalyani Kedar, Dr V V Chopade
10.	Activity co-coordinator	:Dr. Vitthal V Chopade

  
Dr V V Chopade  
Industry visit Incharge



  
Principal  
P. E. S. Modern College of Pharmacy  
Sector No.21, Yamunanagar, Nigdi,  
Pune - 411 044.



Photo



  
Principal  
College of Pharmacy  
Munaganagar, Nigdi  
Pune 411 044.



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Principal  
Modern College of Pharmacy,  
Yamunanagar, N  
411 044.



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PES MODERN COLLEGE OF PHARMACY, NIGDI, PUNE 411 044

List of selected students for Industrial Visit


Class: Third Year B.Pharm

Date: 25/01/2020, Time: 9 am onwards

Place: Nulife Pharmaceuticals, Bhosari MIDC Pune



Sr. No	Roll No.	Name of the Students
1.	301	ABHANG SIDDHI DNYANESHWAR
2.	302	AGARWAL SALONI MANISH
3.	303	AHER OMKAR SUNIL
4.	304	AMRITKAR AKANKSHA PRAVEEN
5.	305	ANDRE RUTUJA SUNIL
6.	306	BAFNA PRATIK KISHOR
7.	308	BHOR RUCHITA BALU
8.	309	CHAUDHARI SAGAR ROHIDAS
9.	310	CHOUDHARY BHARTI JAGDISH
10.	311	CHOUDHARY HITESH RAJARAM
11.	312	CHOURE SOURABH KAILAS
12.	313	DESHPANDE URVI VIJAY
13.	314	DHAT VAISHNAVI SHRIRAM
14.	315	DHOBE SWAPNIL TATYASAHEB
15.	316	DHONGADE JANHAVI SATISH
16.	317	DOPEWAD MAMTA BALAJI
17.	319	GARHWANI YOGISH DHARMIDAS
18.	321	GUJARE ASHWINI GANGADHAR
19.	322	GULVE PRACHI TUKARAM
20.	323	HAJARE PRATIKSHA KANTILAL
21.	324	INDALKAR OMKAR KAILAS
22.	325	JADHAV GAYATRI SOMANATH
23.	326	JADHAV NIKITA YASHWANT
24.	327	KARAMBELKAR AARYA AVINASH
25.	328	KOTHARI VINAY NITINKUMAR
26.	329	KULKARNI AMRITA MILIND
27.	330	MAHADIK INDRANI RAMAN
28.	331	MAHADIK MONIKA SANJAY
29.	336	NAYKINDE SANDHYA
30.	337	PADALE NEHA MADAN
31.	338	PATHAN AYESHA VINUS
32.	339	PAWAR SAYALI SURESH
33.	340	PAWAR SIDDHANT DEEPAK
34.	341	POWAR SAYALI RAJU
35.	342	RANSING VAISHNAVI SUNIL
36.	343	RATNAPARKHI ANIKET GIRISHRAO
37.	344	RICHARDSON CHARMINE
38.	345	SAPRE MADHURA VIKAS
39.	346	SAVASE BHAGYASHREE HARIDAS
40.	348	SHAIKH SUFIYAN MOHAMADASLAM
41.	349	SHINDE VAISHNAVI RAJKUMAR
42.	350	SHIRKE DISHA AJAY
43.	351	SUNDRIK KRANTI GORAKH

  
Principal  
P. E. S. Modern College of Pharmacy  
Sector No.21, Yamunanagar, Nigdi,  
Pune - 411 044.




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2020-2021

**NuLife PHARMACEUTICALS**

PLOT NO. 83, F. 2 BLOCK, MID C,  
PRAKASH NAGAR, AREA,  
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TEL : +91 20 27113054, 27113078  
FAX : +91 20 27113043  
Email : [contactus@nulfepharm.com](mailto:contactus@nulfepharm.com)  
Website : [www.nulfepharm.com](http://www.nulfepharm.com)



To,  
Principal  
PES Modern College of Pharmacy  
Sector 21, Yamunanagar  
Nigdi, Pune 411044

Date: 2<sup>nd</sup> Mar., 2021


**CERTIFICATE**


This is to certify that Mr. / Ms. Nikita Yashwant Jadhav, student of B.  
Pharm Final year of PES Modern College of Pharmacy, Sector 21,  
Yamunanagar, Nigdi, Pune 411 044 has successfully completed his / her  
one month In-plant training during 2<sup>nd</sup> March., 2021 to 2<sup>nd</sup> April., 2021 in  
Nulife Pharmaceuticals Pimpri, Pune.


His / Her attendance was regular and conduct was satisfactory.

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For Nulife Pharmaceuticals

Mr. Amar Shelke

(Training officer)



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To,  
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Date: 9<sup>th</sup> Aug, 2021


**CERTIFICATE**

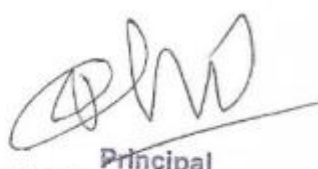
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## TIE-UPS: Dr. D. Y. Patil Institute of of Pharmaceutical Sciences and Research, Pimpri, Pune

### Summary of activities under MOU

Sr no	Academic Year	Name of Activity	No of beneficiaries	Start Date	End Date
1	2019-2020	1. Library books sharing	1	04/09/2019	11/09/2019
		2. Library books sharing	1	18/11/2019	21/11/2019
		3. Library books sharing	1	25/11/2019	25/11/2019
2	2020-2021	1. Library books sharing	1	19/01/2021	19/01/2021
		2. Library books sharing	1	19/01/2021	20/01/2021
3	2022-2023	1. Collaborative Research	1	02/06/2022	12/07/2022
		2. Collaborative Research	2	05/02/2022	07/05/2022
		3. Collaborative Research	2	08/04/2022	01/10/2022
		4. Collaborative Research	1	08/04/2022	01/10/2022
		5. Collaborative Research	1	02/01/2022	07/06/2022
		6. Library books sharing	1	25/07/2022	17/08/2022

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Dr. D. Y. Patil Vidya Pratishthan Society's  
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PHARMACEUTICAL SCIENCES AND RESEARCH, PUNE**

(Affiliated to University of Pune ID No. PU/PN/Pharm/104/94)

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Date : 20/06/2012

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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)

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a) P. E. Society's Modern College of Pharmacy, Nigdi, Pune.

It is a premium institute imparting education in Pharmaceutical Sciences as well as carrying out research in Pharmaceutical Science. It is recognized by the AICTE, PCI and permanently affiliated to University of Pune. The Institute is approved under Section 2(f) and 12(B) of the UGC Act, 1956. Recently, the institute is recognized as a Ph.D. research centre for Pharmaceutics and Pharmaceutical Chemistry by the University of Pune. Due to the dedicated and competent faculty, up-dated curriculum, innovative methods of instructions and excellent laboratory facilities, it has been attracting students from all over India and outside. The library is enriched with Chemical Abstracts (1907-1986) and has subscribed to more than 3900 e-journals. The college has also subscribed to various national programs such as, National Program on Technology Enhanced Learning (NPTEL) and National Library and Information Services Infrastructure for Scholarly Content NLIST a Program at INFLIBNET. The college library has maintained a well furnished language laboratory and audio-visual room.



Principal

Sant Tukaram Nagar, Pimpri, Pune - 411018, Maharashtra, India. Telephone : 91-20-97420281  
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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 cores on equipments. The institute has well furnished Central Library facility with reference books, text books, national and international journals and internet facility as a part of informal teaching. The institute has "Centre for Innovative Pharmaceutical Education, Research & Development (CIPERD) which is a separate constituent unit of Padmashree Dr. D. Y. Institute of Pharmaceutical Sciences and Research, affiliated to University of Pune offering Ph.D programmes in Pharmaceutics, Pharmaceutical Chemistry, Pharmacology and Pharmacognosy.

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The **SECOND PARTY** is engaged in teaching and research in Pharmaceutical Science,

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2022-2023

Original Article

## Preliminary pharmacognostic, physicochemical and phytochemical evaluation of *Sansevieria cylindrica* leaves

Sunil Shewale<sup>1</sup>, Vaishali Undale<sup>2\*</sup>, Maruti Shelar<sup>3</sup>, Yrushi Bhalcham<sup>4</sup>, Mohini Kuchekar<sup>5</sup>, Bhagyashri Warude<sup>6</sup>, Vikas Wawale<sup>7</sup><sup>1</sup> Research scholar, Department of Pharmacology, Dr. D. Y. Patil Institute of Pharmaceutical Sciences & Research, Pune, University of Pune, Maharashtra (India).<sup>2</sup> HOD-Department of Pharmacology, Dr. D. Y. Patil Institute of Pharmaceutical Sciences & Research, Pune, University of Pune, Maharashtra (India).<sup>3</sup> Associate Professor, Department of Pharmacognosy, Dr. D. Y. Patil Institute of Pharmaceutical Sciences & Research, Pune, University of Pune, Maharashtra (India).<sup>4</sup> Research scholar, Department of Pharmacology, Dr. D. Y. Patil Institute of Pharmaceutical Sciences & Research, Pune, University of Pune, Maharashtra (India).<sup>5</sup> Assistant Professor, Department of Pharmacognosy, Modern College of Pharmacy, Nigdi, University of Pune, Maharashtra (India).<sup>6</sup> Assistant Professor, Department of Pharmaceutical Chemistry, Rasiklal M. Dhariwal College of Pharmacy, Pune, University of Pune, Maharashtra (India).<sup>7</sup> Manager, Quality Assurance, Synapse Labs India Pvt. Ltd., Pune, Maharashtra (India).Email: vaishali.undale@dypr.edu.in<sup>2</sup>

DOI:

### Abstract

**Background:** *Sansevieria cylindrica* (*S. cylindrica*) Bojer ex Hook. (Asparagusaceae) is an indoor ornate plant. The plant was conventionally utilized by the local healers during deliberate, and accidental injuries. The pharmacognostic study of this plant with different parameters was very poorly explored. Hence, the present investigation was carried out to explore, and evaluate different characteristics of the plant. **Aim:** To explore the preliminary pharmacognostic, physicochemical, phytochemical, microscopic, and phytoconstituents potential of *S. cylindrica* leaves for authentication of the plant. **Method:** The morphology, and microscopic properties of plant leaves were evaluated. The herbal standardization was then carried out based on physicochemical parameters including ash values, extractive values, and fluorescence analysis. The qualitative evaluation of phytoconstituents was performed using different chemical tests followed by quantitative estimation of important phytochemical, and analytical profiling of extract. **Result:** The macroscopy has studied for the basic features like colour, size, odor, shape, taste, surface, and fracture of plant leaves. The microscopical study confirms the presence of vessels, vascular bundles, lignified fibers, and calcium oxalate crystals etc. Physicochemical evaluation showed less quantity of inorganic matter present in the plant. Preliminary phytochemical analysis confirms the presence of glycosides, phenolic compounds, tannins, saponins, flavonoids, steroids, and carbohydrates. Instrumental analysis has given an idea about the identification, and confirmation of various phytoconstituents in the extract. **Conclusion:** The result of the present study can be meaningfully used as a reference for the standardization, and quality control of *S. cylindrica* and for the authentication, and preparation of monograph of the plant.

**Keywords:** *Sansevieria cylindrica*, Asparagusaceae, pharmacognostic, phytochemical, physicochemical study.

### 1. INTRODUCTION

The utilization of medicinal plants against various health issues is a historical practice in many developing countries, and this kind of knowledge has been transmitted among communities from one generation to other<sup>1</sup>. Medicinal plants are considered a potential source of raw materials, which are used for the manufacturing allopathy drugs. Many of the bioactive constituents of plants are being explored through their synergistic effect with chemicals and using synthetic chemistry to develop new drugs<sup>2</sup>. The medicines derived from plants are relatively considered safe, and affordable as compared to the synthetic alternatives offering profound therapeutic benefits<sup>3</sup>. However, in developed countries, the use of alternative medicines is always restricted because of a lack of documented evidence to its various assessment, and quality control measures<sup>4</sup>. Hence, its standardization through appropriate depiction of its pharmacognostic, physicochemical, and phytochemical parameters is a crucial stage to confirm the reproducible quality of herbal medication to aid us to justify its safety, and effectiveness.

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## Macroscopic and Microscopic Evaluation of *Sansevieria cylindrica* Plant

Sunil Shewale<sup>1</sup>, Vaishali Undale<sup>1,\*</sup>, Maruti Shelar<sup>2</sup>, Bhushan Pimple<sup>3</sup>, Mohini Kuchekar<sup>4</sup>, Vrushi Bhalchim<sup>1</sup>

Sunil Shewale<sup>1</sup>, Vaishali Undale<sup>1,\*</sup>, Maruti Shelar<sup>2</sup>, Bhushan Pimple<sup>3</sup>, Mohini Kuchekar<sup>4</sup>, Vrushi Bhalchim<sup>1</sup>

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### ABSTRACT

**Aim and Objectives:** The exploitation, adulteration and substitution of herbs is major hurdle for development of commercial natural products. Thus, the microscopic evaluation is the first step towards standardization of medicinal plant. A leaf from *Sansevieria cylindrica* Bojer ex Hook is examined both macroscopically and microscopically in the current study. **Materials and Methods:** *Sansevieria cylindrica* Bojer ex Hook (Asparagaceae) is an indoor ornamental plant. Macroscopic characteristics viz. size and shape, colour, odour and taste were studied. Microscopic evaluations were performed by means of high-resolution microscope. Anatomy of the leaves was examined by following standard method of section cutting. **Results:** The macroscopic assessment showed that the plant leaves are light to dark green in colour having highly fibrous structure. Stomatal constants of 230, 19.6% stomatal index, 53.34/mm<sup>2</sup> vein islet number, and 79.12/mm<sup>2</sup> vein termination number were noted in the leaves. Anomocytic stomata, unicellular trichomes, xylem fibres, oxalate crystals, vascular bundles, etc. were all revealed in detailed microscopy. **Conclusion:** The macroscopic and microscopic findings of the *Sansevieria cylindrica* leaf are applicable for standardization and authentication of plant. **Keywords:** *Sansevieria cylindrica*, Stomata, Xylem, Microscopy, Quality, Purity etc

### INTRODUCTION

In the process of scientific research and botanical quality control the morphological, anatomical, and microscopic characterization has immense importance.<sup>[1]</sup> The characteristics are applied for authentication of the plants and also for detection of contaminations, adulteration and substitutions in plant products.<sup>[2-4]</sup> For microscopic standardization evaluation of structural, cellular and molecular aspects of herb or herbal parts is performed with various microscopic techniques.<sup>[5]</sup> As mentioned in many pharmacopoeias microscopy has been used since long time to identify herbal products. Microscopic studies are preferred due to numerous advantages such as need of small amount of sample, rapidity, reliability, cost effectiveness and simplicity of the procedures.<sup>[6]</sup>

*Sansevieria cylindrica* plant is an indigenous plant of the subtropical province of the African continent and planted in Egypt, India for decorative purpose and belongs to family Asparagaceae.<sup>[8,9]</sup> It is also called as Snake plant. It grows up to 2 m (7 ft) above soil having snake tongue shaped having stripes, longer, smooth, greenish-gray sub-cylindrical leaves up to 3 cm (1 inch) diameter.<sup>[6]</sup> The plant has many medicinal, hence its standardization through appropriate depiction of its quality parameters is needed and is a crucial stage.

The macroscopic and microscopic characters of *Sansevieria cylindrica* were evaluated in this study with an aim to identify its imperative features so that they can be effectively applied for herbal and herbal

products standardization. The studies will aid to justify safe and effective use of herb as medicine by ensuring quality of the herb used.

### MATERIALS AND METHODS

#### Collection and authentication of plant

The fresh whole plant *Sansevieria cylindrica* was obtained from the Mehenduri village of Tehsil-Akole, District-Ahmednagar, Maharashtra, India. The leaves of plant were then subjected to washing to clearway dust matters and unwanted debris. The herbarium of the plant was prepared and it was sent to Western Regional Center, Botanical Survey of India (BSI), Pune, Maharashtra, India for authentication. The leaves were shade dried and crushed in to powder using an electrical grinder, then sieved by using 20 mesh and stored in an air tight container for further studies.

#### Chemicals

The chemicals used in the study were of analytical grade and includes Phloroglucinol, Glycerin, Chloral hydrate, etc.

#### Macroscopic evaluation of plant

Macroscopic evaluation of *Sansevieria cylindrica* leaves have been accomplished according to WHO Quality Control methods of herbal medicine. The colour, size, odor, shape, taste, surface and fracture

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Original Article : Open Access

## Morphological and anatomical characterization of *Plumeria obtusa* L.: An Ayurvedic medicinal plant

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Article Info	Abstract
<b>Article history</b> Received 2 November 2022 Revised 20 December 2022 Accepted 21 December 2022 Published Online 30 December 2022	<b>Abstract</b> The development of commercial natural products has significant obstacles due to the exploitation, adulteration and substitution of herbs. In order to standardize medicinal plant, the morphological microscopic inspection is the initial stage. The present investigation deals with morphological evaluation of leaf, seed pod, flowers and anatomical evaluation of <i>Plumeria obtusa</i> L., seed pod. <i>P. obtusa</i> (Apocynaceae) is an outdoor decorative plant. Size, colour, odour and taste of plant material were evaluated under morphological features. The traditional procedure of section cutting was used to analyze the seed pod's anatomy. Using a high-resolution microscope, examinations of microscopic structures were carried out. The plant's leaves are dark green colour, thick and leathery according to the morphological inspection. The winged seed pods are brown to dark brown at maturity stage having T shape double pod with coarse texture. Stomatal number (7-9 sq. mm), stomatal index (21.88-24.32%), vein islet number (12-15/mm <sup>2</sup> ) and vein termination number (16-20/mm <sup>2</sup> ) were observed in leaf constant evaluation. Cyclocytic and sunken stomata, lignified peripheral and xylem fibres, rhomboidal shape calcium oxalate crystals, vascular bundles, etc., were all discovered in detailed microscopical study. The morphology of leaves and microscopic findings of the plant <i>P. obtusa</i> can be used for standardization and authentication.

### 1. Introduction

Quality control evaluation of ethnomedicine helps in their regulation or authentication purpose (Kumar *et al.*, 2022). The WHO also stressed the need to investigate medicinal plants to understand better their properties, safety and efficacy (Warrier, 2021). In the process of scientific research and botanical quality control, the morphological, anatomical, and microscopic characterization of plants has immense importance (Grazina *et al.*, 2020). The characteristics are applied for authentication of the plants and also for detection of contaminations, adulteration and substitutions in plant products (Michetti *et al.*, 2019; Upton *et al.*, 2011). For microscopic standardization evaluation of structural, cellular and molecular aspects of herb or herbal parts is performed with various microscopic techniques (Tam *et al.*, 2006). As mentioned in many pharmacopoeias, microscopy has been used

since long time to identify herbal products. Microscopic studies are preferred due to numerous advantages such as need of small amount of sample, rapidity, reliability, cost effectiveness and simplicity of the procedures (Au *et al.*, 2009).

*P. obtusa* plant is geographically distributed in northern central America and southern Mexico, Greater Antilles as well as in Florida (Herbal and Natural Medicine, 2021; Nabi and Lalit, 2017). *P. obtusa* is a member of the Apocynaceae family, with common names such as Champa (India), Singapore graveyard flower (Singapore), Melia (Hawaii), White Frangipani (Australia), Araliya (Sri Lanka) and Temple tree (United Kingdom) (Bihani *et al.*, 2021). The *P. obtusa* has many medicinal uses (Bihani *et al.*, 2021; Dogra, 2016; Shinde *et al.*, 2014). Therefore, it is necessary and an important step to standardize it through the suitable depiction of its quality standards.

The morphological and anatomical characters of *P. obtusa* were evaluated in this study with an aim to identify its imperative features so that they can be effectively applied for herbal and herbal products standardization. The studies will aid to justify safe and effective use of herb as medicine by ensuring quality of the herb used.

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*In-silico investigation of phytoconstituents from Plumeria obtusa and Sansevieria cylindrica plants for assessment of anti-venom activity against snake venom*

Section: Research



**In-silico investigation of phytoconstituents from *Plumeria obtusa* and *Sansevieria cylindrica* plants for assessment of anti-venom activity against snake venom**

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**Author's contribution:**

- Sunil Shewale: Conceptualization, study design, experimental work, manuscript preparation, data curation
- Vaishali Undale: Conceptualization, Supervision, critical review for intellectual content, editing
  - Bhagyashri Warude: Critical review for intellectual content, editing
    - Vrushali Bhalthim- Experimental work and data curation
  - Mohini Kuchekar: Critical review for intellectual content, editing
    - Jay Gagare: Experimental work and data curation

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**Abstract**

**Background:**

Health threat posed by snake bite is one of the most overlooked areas of active research resulting in deaths of thousands of people every year in many impoverished nations. Therefore, improvement of available therapeutic options along with development of other treatment choices is important for snakebite management which could help in reducing the mortality, and morbidity. Taking this in view, the *in-silico* study was conducted.

**Aim:** To investigate the interaction of phytoconstituents from *Plumeria obtusa* and *Sansevieria cylindrica* plants with various proteins for assessment of anti-venom activity against snake venom.

**Methods:** A protein data bank was searched for various important enzymes found in different snake venoms, and were saved in the PDB file. The plant phytoconstituents were selected from published literatures. Structure of phytoconstituents were drawn using Chem Draw software and

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## Preliminary Pharmacognostic, Physicochemical and Phytochemical Evaluation of *Plumeria-Obtuse* Seed Pods

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### ABSTRACT

*Plumeria obtusa* L. (Apocynaceae) is an ornate outdoor plant. The plant was traditionally used during accidental injuries. However, the pharmacognosy of this plant is very poorly explored. Therefore, we have conducted this study to assess the distinctive qualities of the *P. obtusa*. To investigate *P. obtusa* seed pods' preliminary pharmacognostic, physical-chemical, phytochemical, microscopic, and phytoconstituent potential. Initially, the shape and microscopic characteristics of plant seed pods were assessed. Physicochemical analysis was used for the standardization. Utilizing several chemical techniques, phytoconstituents were evaluated qualitatively. This was followed by quantitative estimation and analytical profiling of various phytoconstituents. The basic characteristics of the seed pod have been documented by macroscopy to be its brown color, sweet aroma, bitter flavor, coarse texture, and rough fracture. Microscopy showed the existence of vascular bundles, lignified fibers, calcium oxalate crystals and arteries. The results of the physicochemical analysis revealed no foreign organic matter, 2.8 % weight-average moisture content and a high total ash value of 14.80 compared to an acid insoluble ash value of 0.70, which indicated that there was less inorganic matter in the plant. The extractive values were 3.93, 6.03 and 10.16 % w/w for water soluble, alcohol soluble and hydro-alcoholic soluble extracts respectively. Flavonoids, glycosides, saponins, phenolic constituents, tannins and carbohydrates were found during early phytochemical analysis. Instrumental analysis has given an idea about functional groups present whereas GCMS technique helped in identification of phytoconstituents. The results of this study can be significantly used as a reference support for quality control and standardization of *P. obtusa* and preparation of a monograph of plant.

**Keywords:** *Plumeria obtusa*; Pharmacognostic; Phytochemical; Physicochemical Parameters

### ABBREVIATIONS:

°C	:	Degree celsius
Da	:	Daltons
EI	:	Electron ionization
FTIR	:	Fourier transform infra-red
G	:	gram
GAE	:	Gallic acid equivalent
GCMS	:	Gas chromatography-mass spectroscopy
HOD	:	Head of department
Hz	:	Hertz
LOD	:	Loss on drying
ml	:	Milliliter
μl	:	Microliter
mm	:	Millimeter
μg	:	Microgram
MHz	:	Megahertz

NIST	:	National Institute of Standards and Technology
Nm	:	Nanometer
NMR	:	Nuclear magnetic resonance
PVDF	:	Polyvinylidene difluoride
QE	:	Quercetin equivalent
RF	:	Retention factor
Sp	:	Species
TLC	:	Thin layer chromatography
UV	:	Ultra-violet
Wt	:	Weight
WHO	:	World Health Organisation

### 1. INTRODUCTION

In many developing countries, herbs are used to treat various medical conditions. This awareness has been accepted and approved from one age bracket to another in rural communities.<sup>1</sup> In field of innovative allopathy drug research and development, a lot of bioactive components of plants was investigate through combination with synthetic

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### Summary of activities under MOU

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		2. Library book sharing	1	13/08/2018	15/08/2018
2.	2019-2020	1. Reference book searching	1	04/09/2019	04/09/2019
		2. Library book sharing	1	18/11/2019	18/11/2019
		3. Library book sharing	1	18/11/2019	23/11/2019
		4. Library book sharing	1	25/11/2019	27/11/2019
		5. Library book sharing	1	28/11/2019	04/12/2019
3.	2020-2021	1. Journal referring (online)	1	30/08/2020	30/08/2020
		2. Journal referring	1	23/04/2021	23/04/2021
4	2021-2022	1. Library book sharing	1	31/08/2021	02/09/2021
		2. Collaborative research	1	22/06/2021	30/05/2022

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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.

Printed Page 1 of 3  
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Pune - 411 044.

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b) Dr. D. Y. Patil Pratishthan's, Dr. D. Y. Patil College of Pharmacy, Akurdi, Pune, established in 1999 at lush green campus of Dr. D. Y. Patil Pratishthan's, Dr. D. Y. Patil Educational Complex, Akurdi, Pune. The aim of the College is to spread Pharmacy education to deserving students and thereby render social services. Within a short span, this centrally located college has emerged as center of academic excellence in the field of Pharmacy, with the help of the state of the art infrastructure and experienced faculty. The vision of institute is to establish a center of academic excellence and research in pharmacy education and thereby produce professionally competent and ethically sound pharmacists to cater the needs of the global society.

#### GOALS OBJECTIVES

The **FIRST PARTY** is engaged in teaching and research in Pharmaceutical Science.

The **SECOND PARTY** is engaged in teaching and research in Pharmaceutical Science,

The **FIRST PARTY** and the **SECOND PARTY** have agreed to work under following terms for mutual benefit Lifetime such as:

1. Usage of library books, study material, e-journals, etc, under the Inter-Library Loan (ILL) facility, by the students and faculty with prior permission of Head of the institutes of both the parties.
2. Usage of instrumental facilities as a part of collaborative research or hiring services by the students and faculty with prior permission of Head of the institutes of both the parties.
3. Both the parties may get involve in co-organizing guest lecture, seminar, conferences, workshops as well as share feedback on curriculum, co-curricular and extracurricular activities and expertises of faculty in both way.



*[Signature]*  
Principal  
Dr. D. Y. Patil Modern College of Pharmacy  
Sector No. 21, Yamunanagar, Nigdi  
Pune - 411 004

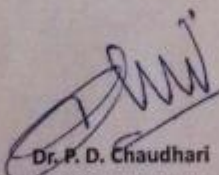
[Back to Index A](#)



Now this deed of academic tie-up is agreed by and between the parties under following terms and condition:

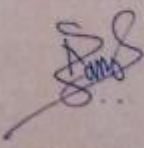
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1. The library facilities will be shared at the premises of **BOTH THE PARTIES** as per the need of work mutually agreed.
2. **BOTH THE PARTIES** may allow pharmacy students to utilize the expertise of faculty and/or students of their organizations. The required books and/or study material will be issued to the students (if applicable) for their studies other than those available with **SECOND PARTY** and are to be made available by **FIRST PARTY** and **Vice Versa**.
3. The Instrumental facilities will be shared at the premises of **BOTH THE PARTIES** as per the need of work mutually agreed upon.
4. Under Collaborative research projects any outcome in the form of Patent / publication(s) related to the work/study shall be acknowledge the assistance provided (if any) by the **FIRST PARTY** and **vice-versa**.
5. **BOTH THE PARTIES** may share feedback on curriculum, co-curricular and extracurricular activities and expertises of faculty in Both ways.
6. **BOTH THE PARTIES** may get involve in co-organizing guest lecture, seminar, conferences and workshops
7. Any dispute arising shall be settled through mutual negotiations only without recourse to resolving the dispute by legal means.

  
Dr. P. D. Chaudhari

Principal  
Progressive Education Society's  
Modern College of Pharmacy,  
Sector no-23, Yamunanagar,  
Nigdi, Pune 411044.  
Contact: 9850179873  
Date: 29/06/2017



  
Dr. N. S. Vyawahare

Principal  
Dr. D. Y. Patil Pratishthan's,  
Dr. D. Y. Patil College of Pharmacy,  
Sector 29, Nigdi Pradhikaran, Akurdi,  
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Contact: +91-20-27656141  
Date: 29/06/2017





2018-2019

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USER FORM

Name of Institute	Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune-44
Name of User	Gaikwad Pradya D.
Designation	Research Scholar
Department	Chemistry
Date of Visit	13/8/18
Mobile no. of user	7741073648
Purpose of Visit	BOOK Referencing
Accession no. of book (in case of issue)	Computational and Structural approaches to drug discovery by F Moore
Date of Issue	15/8/18
Date of return of book (To be returned on or before)	16/8/18
Signature of user	

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Department	chemistry
Date of Visit	13/08/18
Mobile no. of user	9422542051
Purpose of Visit	Refer Book
Accession no. of book (in case of issue)	Process chemistry in the Pharmaceutical Industry by Godamsetti
Date of Issue	13/8/18
Date of return of book (To be returned on or before)	15/8/18
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2019-2020

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Name of User	Moin Akhmi
Designation	Research Scholar
Department	QA
Date of Visit	06-09-19
Mobile no. of user	8411921527
Purpose of Visit	Reference books searching
Accession no. of book (in case of issue)	Quantity Assurance of pharmaceuticals - A compendium
Date of Issue	
Date of return of book (To be returned on or before)	
Signature of user	Moin

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Name of Institute	Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune-44
Name of User	Chakraborty, Shweta
Designation	M. Pharm
Department	Pharmacology
Date of Visit	18-11-19
Mobile no. of user	
Purpose of Visit	Referencing Books
Accession no. of book (in case of issue)	Handbook of Clinical Trials by David M.
Date of Issue	18-11-19
Date of return of book (To be returned on or before)	25-11-19
Signature of user	Chakraborty

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Name of User	Mali Shubham
Designation	Research scholar
Department	Pharmaceutical Chemistry
Date of Visit	25/11/2019
Mobile no. of user	
Purpose of Visit	Referencing
Accession no. of book (in case of issue)	Introduction to Quantitative drug design by D.C. Mehta
Date of issue	25/11/2019
Date of return of book (To be returned on or before)	07/11/2019
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Name of User	Dr. Kalyani S. Kulkarni
Designation	Assistant Professor
Department	Pharmacognosy
Date of Visit	28/11/2019
Mobile no. of user	97540127197
Purpose of Visit	Books Referencing / Journal
Accession no. of book (in case of issue)	Pharmacognosy Journal
Date of Issue	28/11/2019
Date of return of book (To be returned on or before)	4/12/2019
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Designation	Assistant Professor
Department	Pharmacognosy
Date of Visit	20/12/2020
Mobile no. of user	9754012744
Purpose of Visit	Journal Referencing - [Elsevier]
Accession no. of book (in case of issue)	Fundamentals of Pharmacognosy and Phytochemistry
Date of Issue	20/12/2020
Date of return of book (To be returned on or before)	Online
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USER FORM	
Name of Institute	Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune-44
Name of User	Dr. Anu T. Konde
Designation	Asst. professor
Department	Pharm. Sci.
Date of visit	23/04/20
Mobile no. of user	94 03191203
Purpose of visit	Book referring & Journals.
Accession no. of book (in case of issue)	Peta pharmacology
Date of issue	—
Date of return of book (To be returned on or before)	—
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Name of User	Dr. Pawan Patil
Designation	Asst. Professor
Department	Pharm. Chemistry
Date of Visit	31/8/21
Mobile no. of user	9823720695
Purpose of Visit	Referring back to Organic Chemistry Journal
Accession no. of book (in case of issue)	Current Organic Chemistry
Date of issue	31/8/21
Date of return of book (To be returned on or before)	02/9/21
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Acute oral toxicity evaluation of hydroethanolic extract of *Brassica Cretica* in wistar albino rats as per OECD 425

Section: Research Paper



Acute oral toxicity evaluation of hydroethanolic extract of *Brassica Cretica* in wistar albino rats as per OECD 425

Padmaja Kore<sup>1\*</sup>, Ashwini Navale<sup>1</sup>, Deepti Bandawane<sup>1</sup>, Smeeta Sadar<sup>2</sup>, Pooja Chavan<sup>1</sup>, Anuradha More<sup>3</sup>, Minal Harde<sup>4</sup>, Siddhant Gaikwad<sup>1</sup>

<sup>1</sup>Department of Pharmacology, Progressive Education Society's Modern College of Pharmacy, Yamuna Nagar, Nigdi, Pune- 411044, Maharashtra, India.

<sup>2</sup>Department of Pharmacology, Dr. D. Y. Patil College of Pharmacy, Akurdi, Pune- 411044, Maharashtra, India.

<sup>3</sup>Department of Pharmaceutics, Progressive Education Society's Modern College of Pharmacy, Yamuna Nagar, Nigdi, Pune- 411044, Maharashtra, India.

<sup>4</sup>Department of Pharmaceutical analysis, Progressive Education Society's Modern College of Pharmacy, Yamuna Nagar, Nigdi, Pune- 411044, Maharashtra, India.

**\*Corresponding Author:**

Dr. Padmaja Santosh Kore

Email address: padmaja.kore@pesmoderncollege.edu

Progressive Education Society's Modern College of Pharmacy,  
Yamunanagar, Nigdi, Pune-44.

**Abstract:**

The medicinal herb *Brassica Cretica* (Brassicaceae) has long been employed in traditional cuisine. The study was undertaken to confirm the plant's safety profile. A total of six female rats (n=6) were chosen at random. A hydroalcoholic extract of *Brassica Cretica* (HEBC) was given to a group of six rats at a dose of 2000 mg/kg body weight. Blood samples were taken at regular intervals to evaluate the hematological and biochemical markers. The vital organs were isolated and kept separate for histology examinations. The data suggests that, the extract's LD<sub>50</sub> is greater than 2000 mg/kg body weight. The body weight, behavior, renal function test, liver function test, and lipid profile remained unchanged.

**Key words:** Toxicity, Hematology, Organ Function Test

**Introduction:**

Even though there have been advances in the manufacture of synthetic and semi-synthetic drugs for the treatment of various illnesses, traditional medicines still play a significant role in rural areas. This herbal medication's usefulness is clearly shifting in favour of overuse.<sup>[1]</sup> As the founder of toxicology, Paracelsus once observed, "There is nothing that is not a poison; all substances are poisons". The appropriate dosage is what distinguishes a treatment from a poison. Research on the therapeutic plants and their safety profiles is urgently needed.<sup>[2]</sup> Although the

Eur. Chem. Bull. 2023, 12(Special Issue 1), 2442-2454



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2. List of activities conducted under each MOU along with dates of starting and completion year-wise signed by both parties

### Index B

Sr. No.	Name of collaborating Industry/academic Institution
1	<a href="#">Knoweasy, E-Learning providers, Online Platform, Pimpri, Pune</a>
2	<a href="#">Rao Nursing Home, Pune</a>
3	<a href="#">Indrayani hospital and cancer Institute, Pune</a>
4	<a href="#">MAGS IATRC Research &amp; Training Pvt Ltd, Pune</a>
5	<a href="#">Passiflora Laboratories Private Limited, Pune</a>
6	<a href="#">Chakan Life Sciences Private Limited, Pune</a>
7	<a href="#">Intellectual Property Intellect Services (IPIS), Pune</a>
8	<a href="#">Operant Pharmacy Federation, Rajasthan</a>
9	<a href="#">Crystal Biological Solutions, Pune</a>
10	<a href="#">Skill academy by textbook, Navi Mumbai</a>
11	<a href="#">Pursullence GBS LLP, Pune</a>
12	<a href="#">InducarePharmaPvt Ltd, Pune</a>
13	<a href="#">GTT Foundation, Pune</a>
14	<a href="#">Anasyn Lab Private Limited, Tathawade, Pune</a>
15	<a href="#">BioRadius Therapeutic Research Pvt Ltd, Hinjawadi, Pune</a>
16	<a href="#">VishwaConnectomePvt Ltd, Pune</a>
17	<a href="#">VivekDoba training Institute, Pune</a>
18	<a href="#">Vivekanand Kendra Kanyakumari (Shakha: Pimpri Chinchwad)</a>
19	<a href="#">Shri Jain Vidya Prasarak Mandal's, Rasiklal M. Dhariwal Institute of Pharmaceutical Education &amp; Research, Chinchwad, Pune</a>
20	<a href="#">Institute of Pharmaceutical Education and Research Pvt Ltd, Pune</a>
21	<a href="#">Sava Healthcare Limited, MIDC, Chinchwad, Pune</a>
22	<a href="#">Dinanath Mangeshkar Hospital and Research Center, Pune</a>
23	<a href="#">Elite PharmaSkills, Chinchwad, Pune</a>
24	<a href="#">Callidus Research Laboratory Pvt Ltd., Pune</a>
25	<a href="#">Haffkine Bio-Pharma Corporation Ltd Pimpri, Pune</a>
26	<a href="#">VM EDULIFE PVT LTD, Pune</a>
27	<a href="#">Nu-Life Pharmaceuticals, Pimpri, Pune</a>
28	<a href="#">Dr. D. Y. Patil Institute of Pharmaceutical Sciences and Research, Pimpri, Pune</a>
29	<a href="#">Dr. D. Y. Patil College of Pharmacy, Akurdi, Pune</a>





**MOU with Knoweasy,  
E-Learning providers, Online  
Platform, Pimpri, Pune**

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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. Gajanan R. Ekbote  
M.S., M.N.A.M.S.  
Chairman, Business Council  
P.E. Society, Pune

Ref :

Date : 07/06/2023


**Summary of Activity done under MOU Year wise**

Name of concerned Organization: Knoweasy, E-Learning providers, Online Platform, Pimpri, Pune

Date of MOU: 05/04/2023 to 04/04/2024

Validity Period of MOU: 1 Year

Sr no	Academic Year	Name of Activity	No of beneficiaries	Start Date	End Date
1	2022-2023	Guest Lecture	94	18/04/2023	18/04/2023

  
Dr. Pravin D. Chaudhari  
Principal and Professor



  
  
MoU Incharge  
Knoweasy, E-Learning providers,  
Online Platform, Pimpri, Pune

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## **MOU with Rao Nursing Home, Pune**

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E-mail : mcpnigdi44@gmail.com Website : www.mcop.org.in

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Principal

Prof. Dr. Gajanan R. Ekbote  
M.S., M.N.A.M.S.  
Chairman, Business Council  
P.E. Society, Pune

Ref :

Date : 07/06/2023

**Summary of Activity done under MOU Year wise**

Name of concern Organization: Rao Nursing Home, Bibwewadi, Pune

Date of MOU: 01/02/2023 to 31/01/2028

Validity Period of MOU: 5 years

Sr no	Academic Year	Name of faculty	Name of Activity	Name of Title	No of beneficiaries	Start Date	End Date
1.	2022-2023	Dr. Mayuri Khaparde	Collaborative research	Assessment of antimicrobial agent usage Pattern as per given Susceptibility testing report	4	01/12/2022	Ongoing

Dr. Pravin D. Chaudhari  
Principal and Professor



MoU Incharge  
Rao Nursing Home Pune

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## **MOU with Indrayani hospital and cancer Institute, Pune**

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E-mail : mcpnigdi44@gmail.com Website : www.mcop.org.in

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Principal

Prof. Dr. Gajanan R. Ekbote  
M.S., M.N.A.M.S.  
Chairman, Business Council  
P.E. Society, Pune

Ref :

Date : 06/06/2023

**Summary of Activity done under MOU Year wise**

Name of concern Organization: Indrayani cancer hospital, Khed. Pune.

Date of MOU: 21/12/2022 To 30/11/2023

Validity Period of MOU: 11 Months

Sr no	Academic Year	Name of faculty	Name of Activity	Name of title	No of beneficiaries	Start Date	End Date
I.	2022-2023	Dr. Anjali Kumbhar	Collaborative Research	Assessment of drug-related problems among cervical cancer patients.	4	23/12/2022	29/05/2023

Dr. Pravin D. Chaudhari  
Principal and Professor



MoU Incharge  
Indrayani cancer hospital



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**MOU with MAGS IATRC  
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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 :

Date : 06/06/2023

**Summary of Activity done under MOU Year wise**

Name of concern Industry: MAGS IATRC Research & Training Pvt Ltd, Bhosari, Pune

Date of MOU: 15/09/2022 to 14/09/2032

Validity Period of MOU: 10 years

Sr no	Academic Year	Name of Activity	No of beneficiaries	Start Date	End Date
I	2022-2023	Industrial Visit	39	10/11/2022	11/11/2022

Dr. P. D. Chaudhari  
Principal and Professor



MoU Incharge  
MAGS IATRC Research & Training Pvt Ltd



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## **MOU with Passiflora Laboratories private Limited, Pune**

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Principal

Prof. Dr. Gajanan R. Ekbote  
M.S., M.N.A.M.S.  
Chairman, Business Council  
P.E. Society, Pune

Ref :

Date : 06/06/2023

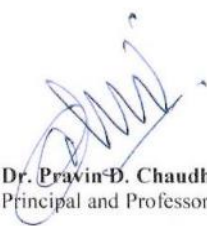
**Summary of Activity done under MOU Year wise**

Name of concern Industry: Passiflora Laboratories Private Limited, Pirangut, Pune.

Date of MOU: 01/07/2022 to 30/06/2032

Validity Period of MOU: 10 years

Sr no	Academic Year	Name of Activity	No of beneficiaries	Start Date	End Date
1	2022-2023	Industrial Visit	16	28/09/2022	28/09/2022

  
Dr. Pravin D. Chaudhari  
Principal and Professor



  
MoU Incharge  
Passiflora Laboratories Private Limited



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## **MOU with Chakan Life Sciences Private Limited, Mulshi, Pune**

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M.Pharm., Ph.D.  
Principal

Prof. Dr. Gajanan R. Ekbote  
M.S., M.N.A.M.S.  
Chairman, Business Council  
P.E. Society, Pune

Ref :

Date : 07/06/2023

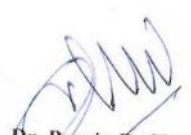
**Summary of Activity done under MOU Year wise**

Name of concern Industry: Chakan Life Sciences Private Limited, Mulshi, Pune

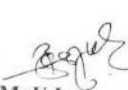
Date of MOU: 01/07/2022 to 30/06/2032

Validity Period of MOU: 10 years

Sr no	Academic Year	Name of Activity	No of beneficiaries	Start Date	End Date
1	2022-2023	Industrial visit	16	28/09/2022	28/09/2022

  
Dr. Pravin D. Chaudhari  
Principal and Professor



  
MoU Incharge  
Chakan Life Sciences Private Limited



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## **MOU with Intellectual Property Intellect Services (IPIS), Pune**

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Principal

Prof. Dr. Gajanan R. Ekbote  
M.S., M.N.A.M.S.  
Chairman, Business Council  
P.E. Society, Pune

Ref :

Date :


**Summary of Activity done under MOU Year wise**

**Name of concerned Organization:** Intellectual Property Intellect Services (IPIS), Pune

**Date of MOU:** 18/05/2022 to 17/05/2027

**Validity Period of MOU:** 05 Years

Name of Activity	2022-23
Research patents filed	7
Research patents published	25
Research patents granted	-
Design patents filed	10
Design patents granted	6
Copyrights filed	18
Copyrights registered	02

  
**Dr. Pravin D. Chaudhari**  
Principal and Professor



IPIS-Intellectual Property Intellect Services



Proprietor

**MoU Incharge**  
Intellectual Property Intellect Services (IPIS), Pune

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## **MOU with Operant Pharmacy Federation, Rajasthan**

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P.E.Society, Pune

Ref :

Date : 06/06/2023

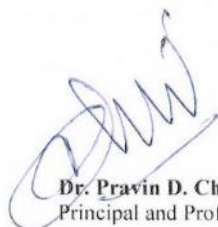
Summary of Activity done under MOU Year wise

Name of concern Organization: Operant Pharmacy Federation

Date of MOU: 17/05/2022 to 16/05/2027

Validity Period of MOU: 5 Years

Sr no	Academic Year	Name of Activity	No of beneficiaries	Start Date	End Date
1	2022-2023	International Conference On 'Emerging Trends In Pharmaceutical-Care In Digital Era'	133	27/02/2023	27/02/2023

  
Dr. Pravin D. Chaudhari  
Principal and Professor



  
Vikram Choudhary  
Director (DIN : 08220933)  
Operant Pharmacy Federation  
MoU Incharge  
Operant Pharmacy Federation

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## **MOU with Crystal Biological Solutions, Pune**

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Principal

Prof. Dr. Gajanan R. Ekbote  
M.S., M.N.A.M.S.  
Chairman, Business Council  
P.E. Society, Pune

Ref :

Date :

Summary of Activity done under MOU Year wise

Name of concerned Industry: Crystal Biological Solution, Pune

Date of MOU: 15/04/2022 to 14/04/2032

Validity Period of MOU: 10 Years

Sr no	Academic Year	Name of Activity	No of beneficiaries	Start Date	End Date
1	2021-2022	1. Industrial Visit	20	21/05/2022	21/05/2022
		2. Hands-On Training	02	21/05/2022	21/05/2022

Dr. Pravin D. Chaudhari  
Principal and Professor



MoU Incharge  
Crystal Biological Solution, Pune



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## **MOU with Skill academy by textbook, Navi Mumbai**

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Principal

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Chairman, Business Council  
P.E. Society, Pune

Ref :

Date : 07/06/2023

**Summary of Activity done under MOU Year wise**

Name of concerned Organization: Skill Academy by Text book, Navi Mumbai.

Date of MOU: 30/03/2022 to 29/03/2023

Validity Period of MOU: 01 Year

Sr no	Academic Year	Name of Activity	No of beneficiaries	Start Date	End Date
1	2021-2022	Online Webinar	65	28/05/2022	28/05/2022
		Online Webinar	88	24/04/2022	29/04/2022
2	2022-2023	Online Webinar	84	21/01/2023	21/01/2023
		Online Webinar	65	17/09/2022	17/09/2022
		Online Webinar	84	24/12/2022	24/12/2022

Dr. Pravin D. Chaudhari  
Principal and Professor



MoU Incharge  
Skill academy by Text book

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## **MOU with Pursullence GBS LLP, Pune**

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Principal

Prof. Dr. Gajanan R. Ekbote  
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Chairman, Business Council  
P.E. Society, Pune

Ref :

Date : 06/06/23

**Summary of Activity done under MOU Year wise**

Name of concerned Organization: Pursullence GBS LLP, Pune.

Date of MOU: 25/11/2021 to 24/11/2026

Validity Period of MOU: 05 Years

Sr no	Academic Year	Name of Activity	No of beneficiaries	Start Date	End Date
I	2022-2023	Value Addition Course	190	11/02/2023	19/03/2023

Dr. Pravin D. Chaudhari  
Principal and Professor



MoU Incharge  
Persullence GBS LLP, Pune

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## **MOU with Inducare Pharma PvtLtd, Pune**

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M.Pharm., Ph.D.  
Principal

Prof. Dr. Gajanan R. Ekbote  
M.S., M.N.A.M.S.  
Chairman, Business Council  
P.E. Society, Pune

Ref :

Date : 08/06/2023

**Summary of Activity done under MOU Year wise**

Name of concern Industry: Inducare Pharma (P) Ltd, Purandar, Pune

Date of MOU: 18/09/2021 to 17/09/2031

Validity Period of MOU: 10 years

Sr no	Academic Year	Name of Activity	Title	Name of faculty	No of beneficiaries	Start Date	End Date
1	2022-2023	Collaborative Research	Chemical fingerprinting of curcumin and berberine in selected ayurvedic formulations and herbs recommended for skin infection	1. Kalyani Kakad, 2. Pallavi M Patil	02	11/06/2022	12/05/2023

Dr. Pravin D. Chaudhari  
Principal and Professor



MoU Incharge  
Inducare Pharma (P) Ltd



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## **MOU with GTT Foundation, Pune**

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Principal

Prof. Dr. Gajanan R. Ekbote  
M.S., M.N.A.M.S.  
Chairman, Business Council  
P.E. Society, Pune

Ref :

Date : 06/06/2023


**Summary of Activity done under MOU Year wise**

Name of concerned Organization: GTT Foundation Pune


Date of MOU: 06/09/2021 to 05/09/2023

Validity Period of MOU: 02 Years

Sr no	Academic Year	Name of Activity	No of beneficiaries	Start Date	End Date
1	2021-2022	1. Online soft skills training programme	130	20/01/2022	22/01/2022
		2. Online soft skills training programme	126	24/03/2022	26/03/2022
2	2022-2023	Online soft skills training programme	398	28/11/2022	30/11/2022

  
Dr. Pravish D. Chaudhari  
Principal and Professor



  
MoU Incharge  
GTT Foundation Pune.



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## **MOU with Anasyn Lab Private Limited, Tathwade, Pune**

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Chairman, Business Council  
P.E. Society, Pune

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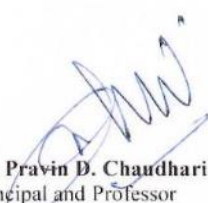
**Summary of Activity done under MOU Year wise**

Name of concern Industry: Anasyn Lab Private Limited, Tathwade, Pune



Date of MOU: 15/07/2021 to 14/07/2026

Validity Period of MOU: 05 Years


Sr no	Academic Year	Name of Activity	No of beneficiaries	Start Date	End Date
1	2021-2022	Industrial Visit	15	14/05/2022	14/05/2022



**Dr. Pravin D. Chaudhari**  
Principal and Professor



**MoU Incharge**  
Anasyn Lab Private Limited, Tathwade, Pune



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**MOU with BioRadius Therapeutic  
Research Pvt Ltd, Hinjawadi,  
Pune**

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Chairman, Business Council  
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Ref :

Date : 08/06/2023

Summary of Activity done under MOU Year wise

Name of concern Industry: BioRadius Therapeutic Research Pvt Ltd, Hinjawadi

Date of MOU: 15/07/2021 to 14/07/2031

Validity Period of MOU: 10 Years

Sr no	Academic Year	Name of Activity	No of beneficiaries	Start Date	End Date
1	2022-2023	Industrial Visit	44	06/12/2022	06/12/2022

Dr. Pravin D. Chaudhari  
Principal and Professor



MoU Incharge

BioRadius Therapeutic Research Pvt Ltd, Hinjawadi



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## **MOU with Vishwa Connectome Pvt Ltd, Pune**

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Principal

Prof. Dr. Gajanan R. Ekbote  
M.S., M.N.A.M.S.  
Chairman, Business Council  
P.E.Society, Pune

Ref :

Date : 08/06/2023

Summary of Activity done under MOU Year wise

Name of concern Industry: Vishwa Connectome Pvt Ltd

Date of MOU: 30/01/2021 to 29/01/2031

Validity Period of MOU: 10 Years

Sr no	Academic Year	Name of Activity	No of beneficiaries	Start Date	End Date
1	2021-2022	Industrial Visit	15	05/10/2021	05/10/2021

Dr. Pravin D. Chaudhari  
Principal and Professor



MoU Incharge  
Vishwa Connectome Pvt Ltd



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## **MOU with VivekDoba training Institute,Pune**

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Chairman, Business Council  
P.E.Society, Pune

Ref :

Date :


Summary of Activity done under MOU Year wise

Name of concern Institute: Vivek Doba Training institute, Pune

Date of MOU: 12/01/2021 to 11/01/2022


Validity Period of MOU: 1 year

Sr no	Academic Year	Name of Activity	No of beneficiaries	Start Date	End Date
1	2021-2022	Guest Lecture	95	05/01/2022	05/01/2022

  
Dr. Pravin D. Chaudhari  
Principal and Professor



For VIVEK DOBA TRAINING INSTITUTE



Proprietor

MoU Incharge  
VivekDobaTraining institute, Pune

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**MOU with Vivekanand Kendra  
Kanyakumari  
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Principal

Prof. Dr. Gajanan R. Ekbote  
M.S., M.N.A.M.S.  
Chairman, Business Council  
P.E.Society, Pune

Ref :

Date :

Summary of Activity done under MOU Year wise

Name of concern Industry/Institute/Organization: Vivekanand Kendra Kanyakumari  
(Shakha: Pimpri Chinchwad)

Date of MOU: 12/01/2020 to 11/01/2025

Validity Period of MOU: 05 years

Sr no	Academic Year	Name of Activity	No of beneficiaries	Start Date	End Date
1	2021-2022	Guest Lecture	95	05/01/2022	05/01/2022
2	2022-2023	Leadership development camp	50	08/10/2022	08/10/2022
3	2022-2023	State level youth Leadership development camp	05	24/12/2022	27/12/2022
4	2022-2023	National youth day celebration	100	12/01/2023	12/01/2023

Dr. Pravin D. Chaudhari  
Principal and Professor



MoU Incharge

Vivekanand Kendra Kanyakumari (Shakha: Pimpri Chinchwad)



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**MOU with Shri Jain  
VidyaPrasarakMandal's,Rasiklal  
M.Dhariwal Institute of Pharmaceutical  
Education & Research, Chinchwad,  
Pune**

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Principal

Prof. Dr. Gajanan R. Ekbote  
M.S., M.N.A.M.S.  
Chairman, Business Council  
P.E. Society, Pune

Ref :

Date :

### Summary of Activities done under MOU Year wise

Name of concern Institute: Shri Jain Vidya Prasarak Mandal's, Rasiklal M.Dhariwal Institute  
of Pharmaceutical Education & Research, Chinchwad, Pune.

Date of MOU: 28/08/2019

Validity Period of MOU: Lifetime

Sr no	Academic Year	Name of Activity	No of beneficiaries	Start Date	End Date
1.	2018-2019	1. Collaborative research	2	04-12-2018	12-03-2019
2.	2019-2020	1. Collaborative research	1	21-03-2020	13-06-2020
		2. Collaborative research	1	19-10-2018	29-04-2020
		3. Collaborative research	1	04-12-2018	12-03-2019
		4. Collaborative research	1	19-10-2018	29-04-2019
3.	2020-2021	1. Collaborative research	1	02-05-2020	04-08-2020
		2. Collaborative research	1	21-08-2020	08-10-2020
4	2021-2022	1. Collaborative research	1	30-12-2020	06-09-2021
		2. Collaborative research	1	11-02-2020	20-10-2021
		3. Collaborative research	1	11-10-2020	24-11-2021
		4. Collaborative research	1	11-01-2021	24-03-2021
		5. Collaborative research	1	11-10-2020	24-05-2021
		6. Collaborative research	1	17-01-2021	23-03-2021
		7. Collaborative research	1	11-01-2021	29-03-2021
		8. Collaborative research	1	15-01-2021	26-03-2021
5	2022-2023	1. Collaborative research	1	1-02-2023	10-04-2023
		2. Collaborative research	1	1-02-2023	10-04-2023
		3. Collaborative research	1	12-12-2022	4-05-2023
		4. Collaborative research	1	10-07-2022	4-04-2023

Dr. Pravin D. Chaudhari  
Principal and Professor



MoU Incharge

Rasiklal M. Dhariwal Institute of Pharmaceutical  
Education and Research, Chinchwad, Pune



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**MOU with Institute of  
Pharmaceutical Education and  
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M.S., M.N.A.M.S.  
Chairman, Business Council  
P.E.Society, Pune

Ref :

Date :

Summary of Activity done under MOU Year wise

Name of concern Organization: Institute of Pharmaceutical Education and Research Pvt Ltd  
(IPER Pune)

Date of MOU: 14/08/2019 to 13/08/2024.

Validity Period of MOU: 05 years

Sr no	Academic Year	Name of Activity	No of beneficiaries	Start Date	End Date
1	2021-2022	Guest lecture	95	04/01/2022	04/01/2022

Dr. Pravin D. Chaudhari  
Principal and Professor



MoU Incharge  
Institute of Pharmaceutical Education and Research (Pune)  
Pvt Ltd (IPER Pune)



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## **MOU with Sava Healthcare Limited, MIDC, Chinchwad, Pune**

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Chairman, Business Council  
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Ref :

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### Summary of Activity done under MOU Year wise

Name of concern Industry: SAVA Healthcare Limited, Pune

Date of MOU: 18/05/2019 to 17/05/2029

Validity Period of MOU: 10yrs

Sr no	Academic Year	Name of Student	Name of Activity	Title of Activity	No of beneficiaries	Start Date	End Date
1.	2018-2019	Sayali Damgude	Student industrial project	Development and validation of RP-HPLC method for determination of scopolamine and myristicin in bulk and dosage form	1	20/06/2018	06/02/2019
2.	2019-2020	-	Industrial visit	-	16	07/02/2020	07/02/2020
3	2020-2021	Pratik kumar Deepak More	Student industrial project	Application of RP-HPLC method in dissolution testing for simultaneous estimation of Metformin and vildagliptin in marked dosage form	1	22/07/2020	22/2/2021

Dr. Pravin D. Chaudhari  
Principal and Professor



MoU Incharge  
SAVA Healthcare Limited, Pune



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## **MOU with DinanathMangeshkar Hospital and Research Center, Pune**

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P.E. Society, Pune

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**Summary of Activity done under MOU Year wise**

Name of concern Organization: Dinanath Mangeshkar Hospital and Research Center, Pune

Date of MOU: 28/08/2017 to 27/08/2027

Validity Period of MOU: 10 years

Sr no	Academic Year	Name of faculty	Name of Activity	Name of title	No of beneficiaries	Start Date	End Date
1.	2022-2023	Dr. Rajani Mali	Collaborative research	Study of Onset Time, Risk Factors, and Prescription Pattern in Patients with Stroke.	4	15/12/2022	31/05/2023
2.	2022-2023	Dr. Mayuri Khaparde	Collaborative research	Assessment of Anti-Microbial agent usage pattern as per the given susceptibility testing report	4	15/12/2022	31/05/2023
3	2022-2023	Dr. Rajani Mali	Collaborative research	To study incidence, cost analysis and drug utilization pattern of anticoagulants in patient with VTE	4	15/12/2022	31/05/2023
4	2022-2023	Dr. Rohini Chavan	Collaborative research	Assessment of drugs dose adjustment in chronic kidney disease patients in tertiary care hospital	4	15/12/2022	31/05/2023

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Date :

5	2022-2023	Dr. Mayuri Khaparde	Collaborative research	To design, develop and validate the screening tool for minimizing prescription error in neonates.	4	15/12/2022	31/05/2023
6	2022-2023	Dr. Sunita Pawar	Collaborative research	Design, development and validation of screening tool for IV medications incompatibility in neonates	4	15/12/2022	31/05/2023
7	2022-2023	Dr. Anjali Kumbhar	Collaborative research	To evaluate the drug utilization and analysis of antiepileptic drugs at tertiary care hospital	4	15/12/2022	31/05/2023

Dr. Pravin D. Chaudhari  
Principal and Professor



Dr. Dinanath Mangeshkar  
Medical Director  
Dinanath Mangeshkar Hospital & Research Center, Pune

MoU Incharge

Dinanath Mangeshkar Hospital and Research Center, Pune

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## **MOU with Elite Pharma Skills, Chinchwad, Pune**

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Summary of Activity done under MOU Year wise

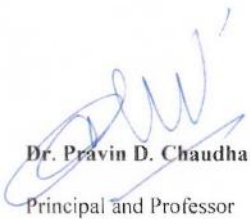
Date :

Name of concerned Organization: Elite Pharma Skills, Chinchwad, Pune

Date of MOU: 07/07/2016 to 04/07/2031

Validity Period of MOU: 15 Years

Sr no	Academic Year	Name of Activity	No of beneficiaries	Start Date	End Date
1	2019-2020	National level Conference	150	06/03/2020	06/03/2020

  
Dr. Pravin D. Chaudhari  
Principal and Professor



  
MoU Incharge

Elite Pharma Skills, Pune

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## **MOU with Callidus Research Laboratory Pvt Ltd., Pune**

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Principal

Prof. Dr. Gajanan R. Ekbote  
M.S., M.N.A.M.S.  
Chairman, Business Council  
P.E. Society, Pune

Ref :

Date :

Summary of Activity done under MOU Year wise

Name of concerned Industry: Callidus Research Laboratory (P) Ltd, Pune

Date of MOU: 20/06/2016 to 17/06/2029

Validity Period of MOU: 13 Years

Sr no	Academic Year	Name of Activity	No of beneficiaries	Start Date	End Date
1.	2018-2019	Faculty industrial training	03	27/05/2018	06/06/2018
		Student industrial project	06	04/06/2018	20/05/2019
		Industrial visit	22	02/03/2019	02/03/2019
2.	2019-2020	Industrial visit	22	29/02/2020	29/02/2020
		Faculty industrial training	5	27/05/2019	08/06/2019
3.	2020-2021	Collaborative Research	1	04/10/2019	12/12/2020
		Faculty industrial training	3	03/05/2021	30/05/2021
4.	2021-2022	Faculty industrial training	1	01/06/2021	06/06/2021
		Internship	01	03/01/2022	11/02/2022
		Student industrial project	01	27/09/2021	01/06/2022
5	2022-2023	Faculty industrial training	03	22/10/2022	29/10/2022

Dr. Pravin D. Chaudhari  
Principal and Professor



MoU Incharge  
Callidus Research Laboratory (p) Ltd.,  
Pune.

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## **TIE-UPS: Haffkine Bio-Pharma Corporation Ltd Pimpri, Pune**

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Chairman, Business Council  
P.E. Society, Pune

Ref :

Date :

**Summary of Activity done under MOU Year wise**

Name of concerned Organization: Haffkine Bio-Pharma Corporation Ltd, Pune


Date of MOU: 17/01/2014

Validity Period of MOU: Lifetime

Sr no	Academic Year	Name of Activity	No of beneficiaries	Start Date	End Date
1	2018-2019	Internship	05	02/01/2019	04/02/2019
2	2022-2023	Internship	05	11/07/2022	15/08/2022
		Industrial visit	125	11/04/2023	11/04/2023

  
Dr. Pravin D. Chaudhari  
Principal and Professor



  
MoU Incharge:  
Haffkine Bio-Pharma Corporation Ltd, Pune



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## **TIE-UPS: VM EDULIFE PVT LTD, Pune**

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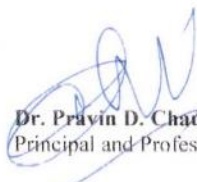
Summary of Activity done under MOU Year wise

Name of concerned Organization: VM Edulife Pvt Ltd, Pune

Date of MOU: 18/07/2013 to 29/11/2026

Validity Period of MOU: 13 Years

Sr no	Academic Year	Name of Activity	No of beneficiaries	Start Date	End Date
1	2018-2019	ERP Service Provider	Faculties Enrolled	01/07/2018	till date
		Personality development workshop	70	16/03/2019	16/03/2019
2	2019-2020	ERP Service Provider	Faculties Enrolled		till date
3.	2020-2021	ERP Service Provider	Faculties Enrolled		till date
4.	2021-2022	1. ERP Service Provider	Faculties Enrolled		till date
		2. Teacher Orientation Meeting	Faculties Enrolled	27/10/2021	27/10/2021
5.	2022-2023	ERP Service Provider	Faculties Enrolled		till date

  
Dr. Pravin D. Chaudhari  
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## **TIE-UPS: Nu-Life Pharmaceuticals, Pimpri, Pune**

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Ref :

Date :

Summary of activity done under MOU Year wise

Name of concerned Industry: Nu-Life Pharmaceuticals, Pimpri, Pune

Date of MOU: 13/08/2012

Validity Period of MOU: Lifetime

Sr no	Academic Year	Name of Activity	No of beneficiaries	Start Date	End Date
1	2018-2019	Internship	24	01/01/2019	31/01/2019
		Industrial visit	40	21/02/2019	21/02/2019
2	2019-2020	Internship	35	4/06/2019	31/07/2019
		Industrial visit	50	25/01/2020	25/01/2020
3.	2020-2021	Internship	40	02/03/2021	07/10/2021
4.	2021-2022	Internship	03	09/07/2021	16/09/2021

Dr. Pravin D. Chaudhari  
Principal and Professor



MoU Incharge  
Nu-Life Pharmaceuticals, Pimpri, Pune

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**TIE-UPS: Dr. D. Y. Patil Institute  
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**Summary of Activity done under MOU Year wise**

Name of concern Institute: Dr. D. Y. Patil Institute of Pharmaceutical Sciences and Research,  
Pimpri, Pune

Date of MOU: 20/06/2012 to (TIE-UPS)

Validity Period of MOU: Lifetime

Sr no	Academic Year	Name of Activity	No of beneficiaries	Start Date	End Date
1	2019-2020	1. Library books sharing	1	04/09/2019	11/09/2019
		2. Library books sharing	1	18/11/2019	21/11/2019
		3. Library books sharing	1	25/11/2019	25/11/2019
2	2020-2021	1. Library books sharing	1	19/01/2021	19/01/2021
		2. Library books sharing	1	19/01/2021	20/01/2021
3	2022-2023	1. Collaborative Research	1	02/06/2022	12/07/2022
		2. Collaborative Research	2	05/02/2022	07/05/2022
		3. Collaborative Research	2	08/04/2022	01/10/2022
		4. Collaborative Research	1	08/04/2022	01/10/2022
		5. Collaborative Research	1	02/01/2022	07/06/2022
		6. Library books sharing	1	25/07/2022	17/08/2022

Dr. Pravin D. Chaudhari  
Principal and Professor



MoU Incharge

Dr. D. Y. Patil Institute of Pharmaceutical Sciences and  
Research, Pimpri, Pune



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### Summary of Activity done under MOU Year wise

Name of concern Institute: Dr. D. Y. Patil College of Pharmacy, Akurdi, Pune

Date of MOU: 09/01/2012 to (TIE-UPS)

Validity Period of MOU: Lifetime

Sr no	Academic Year	Name of Activity	No of beneficiaries	Start Date	End Date
1.	2018-2019	1. Library book sharing	1	13/08/2018	15/08/2018
		2. Library book sharing	1	13/08/2018	15/08/2018
2.	2019-2020	1. Reference book searching	1	04/09/2019	04/09/2019
		2. Library book sharing	1	18/11/2019	18/11/2019
		3. Library book sharing	1	18/11/2019	23/11/2019
		4. Library book sharing	1	25/11/2019	27/11/2019
		5. Library book sharing	1	28/11/2019	04/12/2019
3.	2020-2021	1. Journal referring (online)	1	30/08/2020	30/08/2020
		2. Journal referring	1	23/04/2021	23/04/2021
4	2021-2022	1. Library book sharing	1	31/08/2021	02/09/2021
		2. Collaborative research	1	22/06/2021	30/05/2022

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