

**MET's INSTITUTE OF PHARMACY,
BHUJBAL KNOWLEDGE CITY, ADGAON, NASHIK**

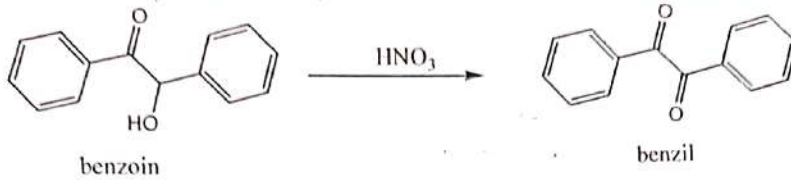
PROBLEM BASED LEARNING 2021-2022

Class: T. Y. B. Pharm. Sem.: Vb

Date = 16/10/2021

Subject: Medicinal Chemistry - III In-charge: Dr. Santosh Chhajed

Q. 1. How will you characterize the ^{then} product benzil formed in the following chemical conversion?



No.	Marks	sign	No.	Marks	Sign	No.	Marks	Sign	No.	Marks	Sign
1	03	Tammy	26			51			76		
2	03	Parnas	27	02	Prachi	52			77	03	Sally
3	04	Amrita	28	03	Pavani	53			78	03	Basir
4	04		29	03	Rishelap	54			79	03	Runia
5	03		30	03		55			80	03	Wishu
6	03		31	03	Leel	56	03	Ajals	81	03	Poornima
7	03		32	03	Shyama	57			82	03	Pati
8			33	03	Chitra	58			83	03	Felix
9	03		34	03	Arav	59			84	04	Chy
10	03		35			60			85	03	Prachi
11	03		36	04	Aradhana	61			86	03	Pati
12			37			62			87	04	Tatit
13	03		38	03	Midha	63			88	03	Vinay
14	03		39			64			89	03	Prachi
15			40	03	Stam	65			90	03	Shruti
16	03		41	03	Sayali	66			91		Pooja
17	03		42	03		67			92		Lipika
18	03		43			68			93	03	PPB
19			44	03	Alcadiya	69			94	03	Prachin
20	04		45	03	Prachi	70			95	03	Kathir
21	03		46			71			96	02	Sakshi
22	03		47	03		72			97	03	Prachi
23	03		48	03		73			98	03	Ssantika
24	03		49	04		74			99	03	Prachi
25			50	03	Rhait	75			100	03	Prachi



MET'S Institute of Pharmacy
Bhujbal Knowledge City
Adgaon, Nashik

Academic Year 2021-22

Summary of Problem Based Learning

Name of Faculty: Mr. Pratap B. Pawar

Year: - S Y B Pharm

SEM-IV

Pattern: 2019

Subject: -Pharmacognosy and Phytochemistry I

Problem: -

Explain the C₃₀H₄₈ as Terpenoid with number of isoprene units

Solution: -

Terpenoids	No. of isoprene	Molecular formula
Hemiterpene or isoprene	1	C ₅ H ₈
Monoterpenoids	2	C ₁₀ H ₁₆
Sesquiterpenoids	3	C ₁₅ H ₂₄
Diterpenoids	4	C ₂₀ H ₃₂
Sesterterpenoids	5	C ₂₅ H ₄₀
Triterpenoids	6	C ₃₀ H ₄₈

Terpenes are hydrocarbons resulting from the condensation of several 5 Carbon isoprene units. The isoprene unit has formula $\text{CH}_2=\text{C}(\text{CH}_3)\text{CH}=\text{CH}_2$ (C₅H₈)
C₅ H₈ isoprene units, 6 isoprene unit means $\text{C}_5\text{H}_8 \times 6 = \text{C}_{30}\text{H}_{48}$ & this is a triterpene compounds.



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Adgaon, Nashik

Academic Year 2021-22

Summary of Problem Based Learning

Name of Faculty: Mr. Pratap B. Pawar

Sr. No.	Brief About Problem Based Learning	Class / Semester/ Pattern	Name of subject	Date
1.	Explain the C ₃₀ H ₄₈ as Terpenoid with number of isoprene units	S Y B Pharm /SEM-IV / Pattern : 2019	Pharmacognosy and Phytochemistry I	12/03/22


Sign of Faculty

Problem based learning: Complexation

- One company has discovered 'XYZ' drug which possesses poor water solubility, what 1st step they should take? (1 point)
 - Modify drug chemically
 - Prepare suspension
 - Try to improve solubility by complexation process
 - Discover new drug again
- Complexation between drug and extracellular proteins can leads to..... (you can select more than 1 answer) (1 point)
 - Decrease in drug distribution
 - Increase in metabolism
 - Decrease in rate excretion
 - Increase in drug action
 - Sustained the drug release
 - Increase in half life
- A company has 2 drug molecules with slight structural modification. A can bind 3 sites of HSA and B can bind 1 site of HSA. Then..... (2 points)
 - Dose of A should be less than dose of B
 - Dose of A should be more than B
 - Dose of both A and B should be same
- A company has synthesized 3 new drug molecules as P, Q, R. (2 points)
 - P possesses 90% protein binding
 - Q possesses 60% protein binding
 - R possesses 20 % protein binding.
 What should be dose of drug?
 - ___ P 1. 500 mg
 - ___ Q 2. 50 mg
 - ___ R 3. 250 mg
- A research institute has synthesized two new dug moiety as 123 and 789. (2 points)
 - 123 showed 95% protein binding.

789 showed 25 % protein binding.

Therefore, 123 is less lipophilic than 789.

- True
- False

6. Dr. Patil prescribed XUV- 450 mg and BUV-50 mg to Mr. Ramesh.

(2 points)

Age of Mr. Ramesh is 75.

XUV has more affinity towards the albumin

BUV has more affinity towards the AAG.

What is your opinion?

- Prescription is right
- Dose of XUV and BUV should be same
- Dose of XUV should be less and BUV should be more

MET's Institute of Pharmacy
Bhujbal Knowledge City, Nashik

AY: 2021-22				Semester-II
	B. Pharm-I			
	Communication & Soft Skill Development			
	Duration 19 Hours			
Sr. No.	Topic Covered	Date	Duration	No. of Student
1	Introducing Self and Others	28/03/22	1 Hour	98
2	Growing Demand of English	04/04/22	1 Hour	98
3	English as a tool of Employability Skills	09/04/22	1 Hour	90
4	Written Communication	11/04/22	1 Hour	90
5	Email Writing	18/04/22	1 Hour	95
6	Activity-based body language learning	23/04/22	2 Hour	94
7	Why to Listen?	25/04/22	1 Hour	88
8	Attentive Listening	30/04/22	1 Hour	90
9	Making PowerPoint Presentation	02/05/22	1 Hour	89
10	Knowing about Target Audience	23/05/22	1 Hour	95
11	Skimming and Scanning	28/05/22	1 Hour	95
12	Reading Comprehension	30/05/22	1 Hour	99
13	Public Speaking	01/06/22	1 Hour	99
14	Group Discussion	02/06/22	1 Hour	91
15	Brainstorming Session	03/06/22	2 Hour	93
16	Note Making Skill	04/06/22	1 Hour	100
Subject Incharge:		<i>S.</i> Mr. Manoj Surji		




PRINCIPAL
MET's Institute of Pharmacy
Adgaon, Nashik



Attendance Div: A

Roll No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	Total
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Manoj V-Suri


Attendance Div: B

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Manoj V. Suri


INNOVATIVE FORMULATION IDEA COMPETITION-2021

Institution's Innovation Council of MET IOP, Nashik in collaboration with I ORGANICA jointly organized **Innovative Formulation Idea competition** for students of M. Pharmacy and B. Pharmacy(3rd & 4th year) to encourage innovative ideas with marketing skills.

Date: 16/11/2021

Link to join: <https://forms.gle/7ACoSN4XmKnmKpCaA>

Link for Social Media shared:

https://m.facebook.com/story.php?story_fbid=434223241661190&id=101408854942632

Participants Details

Total no. of students: 68

Total no of Faculties: 34

Objectives:

- To motivate students to think out of the box about products which can be formulated having a commercial feasibility & which can be scaled up to reach out in market.
- To produce a formulation in association with MET's IOPs excellent research team.

The details of winners are as follows;

FIRST PRIZE:

Project title: Formulation & development of herbs containing toothpaste.

Name of Student: Mr. Pavan Vitthalrao Yamgar and Miss. Tanuja Vilas Mahale.

Name of Guide: Dr. Nilima Thombre.

Name of College: MET's Institute of Pharmacy, Bhujbal Knowledge City, Nashik.

SECOND PRIZE:

Project Title: Formulation & Evaluation of Piper Betel Leaf & Trachyspermumammi Leaf Foot Spray.

Name of Student: Miss. Surbhi Nitin Shah.

Name of Guide: Mrs. Rutuja Shah.

Name of College: Anandi Pharmacy College, Kalambe Tarf Kale, Kolhapur.

THIRD PRIZE:

Project title: Herbal Face Scrub.

Name of Student: Miss. Ravina Valu Barve and Miss. Dhanashree Deshmukh.

Name of Guide: Dr. Sunita Surse.

Name of College: MET's Institute of Pharmacy, Bhujbal Knowledge City, Nashik.

Photo Gallery:



Dr. Rani S. Kankate
IIC Convener, MET's Institute of
Pharmacy, Bhujbal Knowledge City, Nashik.



Dr. Sanjay J. Kshirsagar
Principal, IIC President, MET's Institute of
Pharmacy, Bhujbal Knowledge City, Nasik.



**Institution's Innovation Council of MET IOP, Nashik
in collaboration with I ORGANICA jointly
Organize
INNOVATIVE FORMULATION IDEA COMPETITION**
Think green to create green

Objectives:

- 1) To motivate students to think out of the box about products, which can be formulated having a commercial feasibility & which can be scaled-up to reach out in market.
- 2) To produce a formulation in association with MET's IOPs excellent research team.

Theme:

Participants will have to provide a pdf document which will highlight the modern day issues related to skin, hair, nutritional problems and an innovative formulation to overcome these issues, which can be scaled up, is cost effective and can be commercialized. (Ayurvedic formulations are preferred over chemical composition)

Who can apply:

1. Students from Third & Final year B. Pharmacy
2. Students from M. Pharmacy
3. Entries will be single or in a group of two.

Application Date: 14 Oct. 2021

Final Submission Date: 30 Oct. 2021

Result Date: 16 Nov. 2021

Winners will get:

- 1st Prize:** Gold plated Silver coin, I Organica gift hamper and voucher
2nd Prize: 1 silver coin, I Organica gift hamper and voucher
3rd Prize: I Organica gift hamper and voucher

<https://forms.gle/7ACoSN4XmKnmKpCaA>

Mr. Atharva Bhalerao
Sponsor

Mr. Mahendra V. Khairnar
Event Coordinator

Dr. Rani S. Kankate
IIC Convener

Dr. Sanjay J. Kshirsagar
IIC President, Principal

For any queries related to competition whats app on 8796310659 or write us on Beyuvallifestyle@gmail.com

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MET'S Institute of Pharmacy

Bhujbal Knowledge City

Report on

A National Level

Entrepreneurship Development Workshop: For Staff and Students

Date and Time: 9th June 2021: 9.30am to 1.30pm

Platform: Streamed live

Joining Link: <https://youtu.be/L-aQQKzZJXY>

Organizing Committee: METIOP Center For Entrepreneurship, Innovation And Incubation

No. of participant: 329 Delegates attended the webinar from different states and 2867views got for the workshop

Sr.No.	Time	Title	Resource person
1.	9.45am- 10.45am	Incubation center- Opportunities for student and staff	Mr. Sachin Kumbhoje Director, SIBIC Incubation Centre (Section 8 Company) Co-founder & CEO, OpEx Accelerator Private Limited
Brief Summary: Mr. Sachin Kumbhoje guided participants regarding need, set up and function of incubation center at institute level. He gave information of services provided by incubation Centre like workspace, fundraising assistance, monitoring assistance, resources, legal and regulatory compliance, support, marketing assistance comprehensive business training programs, networking assistance early-stage customer acquisition, high-speed Internet access and accounting financial management access etc. He discussed about registration of incubation center to different government bodies.			
2.	10.45am to 12.00pm	Prototype Validation - Converting Prototype into a Startup	Mr. Vikrant Bhujbalrao Director of a business incubation company,

YourSarthi.

Brief Summary: Mr. Vikrant Bhujbalrao shared his own journey of entrepreneurship/buisness development. First he explained how to validate yourself as an entrepreneur and how to do SWOT analysis. He discussed the basic requirements for the successful implementation of business like funding, execution, sustainability and passion for business. He discussed the steps of invention like idea,proof of concept,prototype and start up. Guided about how to validate prototype.He explained the process of conversion of validated prototype to start up. He gave tips for preparing successful start up. He shared failure and successful stories of businessmen to motivate the participants.He guided about the various processes involved during the business start-up and some advices to overcome the problems involved during the process.

3

12.00pm to
1.15pm

Financial literacy and fund
raising:Awareness at the start of
Career

Mr.Sagar Agrawal

Founder and Chairman,Trademagic educare pvt ltd
Director,Sewah Education Hub Pvt. Ltd

Mr.Sagar Agrawal shared his own experience about business. He discussed various start up funding stages such as pre seed funding, seed funding, bootstrapping, crowdfunding and stock market. He explained about how to raise money from bank. He gave various tips for financial management. He simplified series A, B and C funding. He shared the steps for getting support and funding for start up from incubation centre.Participants admired the inspiring session through their opinion and positive feedback.

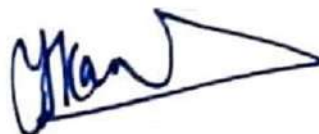


Dr Sanjay J. Kshirsagar

(Principal)

Principal and Vice President, IIC-METIOP

Dr. S. J. Kshirsagar



Co-ordinator and Convener, IIC-METIOP

Dr. R. S. Kankat



Mr. Vikramt Bhujbalrao
Amazon #1 Best Seller Author
Startup Coach | Business Mentor | Investor
Community Builder | Motivator | Entrepreneur

Amazon #1 Best Seller

BEFORE YOU JUMP INTO BUSINESS
VIKRAMT B. BHUJBALRAO

SURVIVE YOUR STARTUP!
VIKRAMT B. BHUJBALRAO

With 7 Steps to Success

Available on
amazon.in
amazon.com

2:02:01 / 3:35:31



IPO

- Start up stage**
Team
Corporate governance
Financials
- Potential Investors**
General public
- Start up Valuation**
700 Cr – 720 Cr
- Fundraising**
350 Cr - 3500 Cr

3:11:47 / 3:35:31

**Bhujbal Knowledge City
MET's Institute of Pharmacy, Nashik**

Report on
A National Level One day Seminar on
Recent Development in Drug Engineering

Organized by
IQAC Cell and Department of Pharmaceutical Chemistry

Date of Event: 6/08/2021

Number of Participants: 614

Co-ordinators: Dr. Sandeep S. Sonawane & Dr. Rani S. Kankate, Department of Pharmaceutical Chemistry, MET's Institute of Pharmacy, Nashik

Convenor: Dr. Dinesh D. Rishipathak, HoD, Department of Pharmaceutical Chemistry, MET's Institute of Pharmacy, Nashik

Link for seminar: <https://youtu.be/EXGwSAPo7K8>

A National Level one day seminar on recent development in drug engineering was organized on 06/08/2021 by IQAC cell and Department of Pharmaceutical Chemistry.

The event was inaugurated in the auspicious presence of the chief guest of the seminar, Dr. M. G. Chaskar sir, Dean, Faculty of Science and Technology, Savitribai Phule Pune University, Pune, Chief administrator of Bhujbal Knowledge City, Dr. (Mrs.) Shefali Bhujbal Madam and Dr. Sanjay J. Kshirsagar, Principal, MET's Institute of Pharmacy, Bhujbal Knowledge City, Nashik.

This seminar is aimed for the students and faculties who are keen interested in the drug design and drug discovery.

Seminar was conducted in three sessions. The first session was conducted by Dr. Sharad Wakode, Professor, Delhi Institute of Pharmaceutical Sciences and

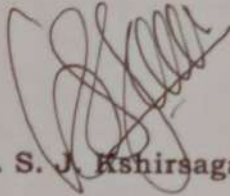
Bhujbal Knowledge City
MET's Institute of Pharmacy, Nashik

Research, New Delhi. Sir talked on the topic, Animal Experimentation in drug discovery.

The second session was held with the topic, preliminary functional drug screening using cell culture technology by Dr. Mala Parab, Assistant professor, School of Biotechnology and Bioinformatics, Dr. D. Y. Patil Deemed to be University, Navi Mumbai.

Third session was conducted by Mr. Manoj Damale, Assistant Professor, Srinath College of Pharmacy, Aurangabad who talked on Novel Approaches for drug target identification.

Total 614 participants from different regions of Maharashtra (Nashik, Pune, Mumbai, Nagpur, Auragabad, Yawatmal) as well as from other states (Rajasthan, Punjab, Delhi) wer registered and attended the seminar.

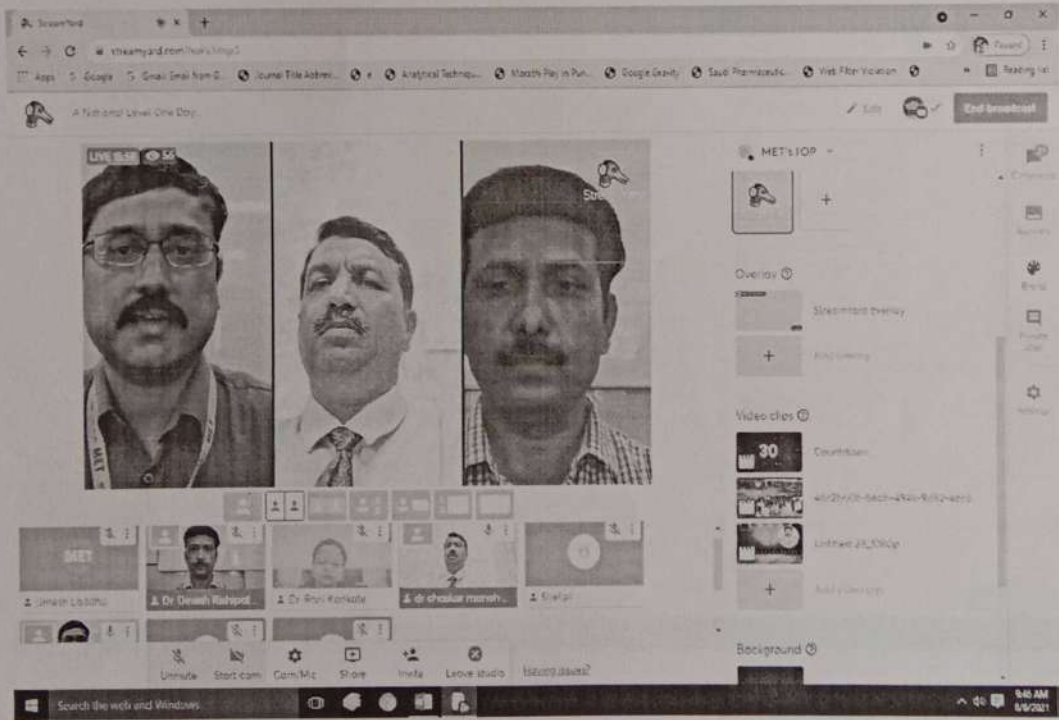
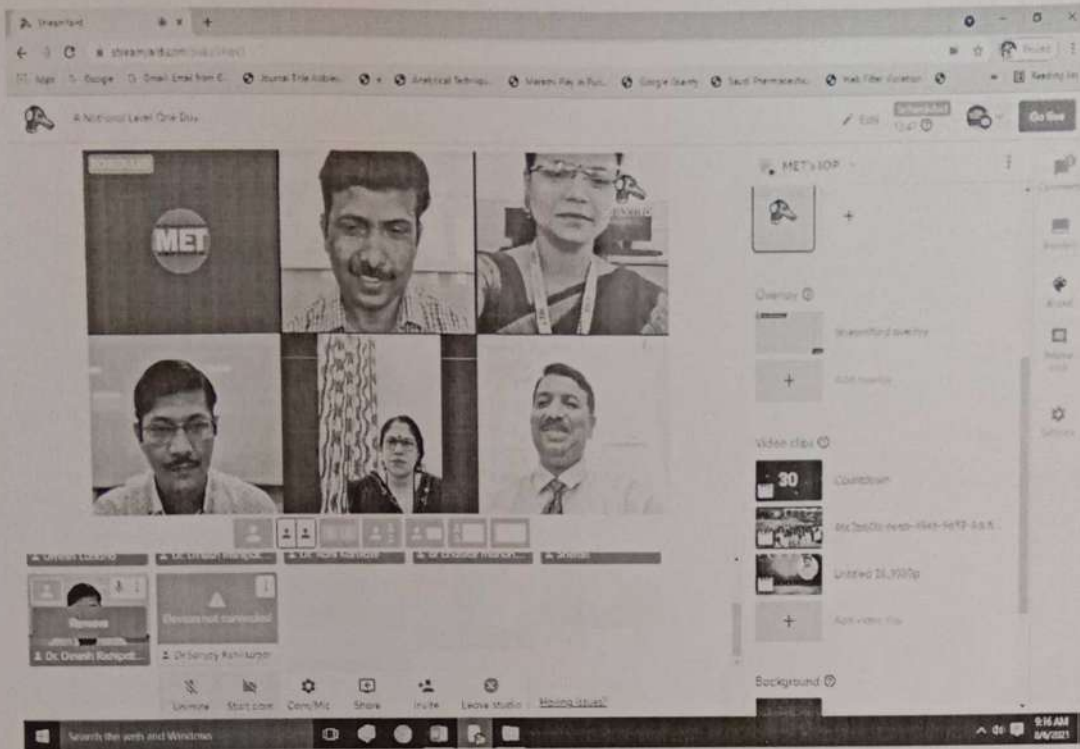


Dr. S. J. Kshirsagar

Principal

MET's Institute of Pharmacy, Nashik





Streamyard

streamyard.com/ruks31ng2

Apps: Google Gmail Email from G... Journal Title Adver... Analytical Techniq... March Ray in Pun... Google Drive Sauri Pharmacol... Web-Fiber Visitation Reading list

A National Level One Day

End Streamyard

Background

- In-Vitro Screening
 - High Throughput Screening & Imaging
 - ADMET
- In-Vivo Screening
 - Toxicology
 - Pharmacokinetics
 - PK/PD studies
- Reverse Studies
 - In-vitro Tests
 - In-vivo studies
 - PK/PD studies
 - ADMET
 - Others case studies
 - Scientific Studies

Umesh Laddha Dr. Santosh Chhabra Dr. Divyesh Rajput Prof. Rajesh Shrivastava Dr. Harsh Parikh

RANI KANKATE 11:04 AM
Thanks for a great time informative session

roo_sh AISSMSCOP 11:04 AM
Thank you sir

poonam diphe 11:06 AM
thanks sir

Dr.Sushil Patil 11:07 AM
Thank you very much sir

GANESH PATIL 11:07 AM
Thanks sir

Amruta Shrivastava 11:07 AM
Thank you sir

SHRUTI GHADGE 11:08 AM
nice session

Gauri Senawane 11:08 AM
wonderful session sir

Priiti Khilare 11:08 AM

Chat

11:11 AM 09/03/21

Streamyard

streamyard.com/ruks31ng2

Apps: Google Gmail Email from G... Journal Title Adver... Analytical Techniq... March Ray in Pun... Google Drive Sauri Pharmacol... Web-Fiber Visitation Reading list

A National Level One Day

End Streamyard

Novel Approach for Drug Target Identification in Infectious Diseases & Hematology Modelling

Dr. Manoj Kumar
Associate Professor
Sripath College of Pharmacy,
Aurangabad

Umesh Laddha Dr. Santosh Chhabra Dr. Divyesh Rajput Prof. Rajesh Shrivastava Dr. Harsh Parikh

Kavita like Kavitha23 11:07 AM
excellent session sir

poonam diphe 11:07 AM
excellent session sir

Amruta Shrivastava 11:07 AM
Thank you mam for such an informative session

Dr.Sushil Patil 11:07 AM
Thank you very much mam, excellent session

Jyoti Sanat 11:07 AM
very informative and wonderful session mam

Shivani Khatiwara 11:07 AM
nice session

SHRUTI GHADGE 11:07 AM
excellent session

Dr. Pankaj Chaudhari 11:07 AM
nice session

Chat

11:14 AM 09/03/21

EXECUTIVE DIPLOMA IN PHARMACOVIGILANCE AND CLINICAL RESEARCH

Institute of Pharmacy

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Pharmacovigilance and Clinical Research refers to science and activities relating to detection, assessment, understanding, and prevention of adverse effects or any other possible drug related problems. Knowledge of pharmacovigilance is essential while working in this sector. This course will provide you state of art knowledge with latest updates in industry.

Benefits: • Understand principle, function and basics of Pharmacovigilance | • Get knowledge to grab jobs in Pharmacovigilance departments of industry | • Useful for career advancement in field of Pharmacovigilance

MET Bhujbal Knowledge City

MET's Institute of Pharmacy is affiliated to Savitribai Phule Pune University and approved by Pharmacy Council of India, All India Council for Technical Education and Directorate of Technical Education started way back in 2006. Institute has excellent state of art infrastructure and strong association with Industries.

Courses Offered: B.Pharm | M.Pharm (QAT, Pharmaceuticals, Pharm' Chemistry, Pharmacology) | Ph.D (Pharmacy)

**Elite Institute of
Pharma Skills**



Registration Starts

1st January 2020
(Limited Seats Available)

Venue

Seminar Hall,
MET's IOP,
Nashik

Course Objectives:

- Certificate course is a skill development program planned to cover all features of Pharmacovigilance, Clinical Research and drug safety management.
- It sensitizes the students and equips them with knowledge on Pharmacovigilance and Clinical Research practices worldwide and on the Indian scenario in detail.

- This course gives young executives an opportunity to remain ahead of competitors in a very nascent yet competitive environment.
- The prime objective is to provide a high end knowledge thereby enhancing the employment prospects of the participants.
- Career orientation and Interview Preparation

COURSE SYLLABUS

Module 1: Introduction to Clinical Research & Advancement of ICH-GCP

- 1.1 Clinical Research in India
- 1.2 Phases of Clinical Trials
- 1.3 History & Background of Good Clinical Practice
- 1.4 Introduction to ICH, ICH-GCP Guideline & its advancement

Module 2: Ethical & Regulatory Aspects of Clinical Trials

- 2.1 Ethics Committee
- 2.2 Indian Council of Medical Research
- 2.3 Declaration of Helsinki
- 2.4 Drug & Cosmetic Act 1940, Schedule Y & its appendices

Module 3: Operations Aspects of Clinical Trials

- 3.1 Clinical Trial Design
- 3.2 Data Safety Monitoring Board (DSMB)
- 3.3 Clinical Data Management (CDM)

Module 4: Signal Management, ADR Reporting System & Dictionaries

- 4.1 Signal Identification, Development and Analysis
- 4.2 Adverse Drug Reaction Reporting System
- 4.3 Medical Dictionary for Regulatory Activities
- 4.4 WHO Drug Dictionary

Module 5: Pharmacovigilance at Glance

- 5.1 Introduction to Pharmacovigilance
- 5.2 Pharmacovigilance-Glossary and related terms
- 5.3 Pharmacovigilance Methods
- 5.4 Pharmacovigilance Data Management and Case Processing

Module 6: Regulatory Aspects of Pharmacovigilance

- 6.1 Different ICH & Other requirements for Drug Safety
- 6.2 Periodic Safety Update Report (PSUR)
- 6.3 Good Pharmacovigilance Practice (GPP)

Course Structure:

- Total tenure of course will be of 3 months
- Every 15 days class room sessions (5-6 hrs)
- Certificates will be provided after successful completion of course

Examination Pattern: • MCQs • Problem Solving • Formative Assignments • Written Test • Viva Voce • Case Studies
• E-learning portal to access study material

Fee Structure : Ten thousand Rupees (10000/- + 18% GST= 11800/-) per student
On Successful Completion of Course, Marksheet and Certificate will be issued to every Participant

Dr. S. J. Kshirsagar, Principal, IOP | Dr. D. S. Bhambere, Co-ordinator, Mob.: 09764222761

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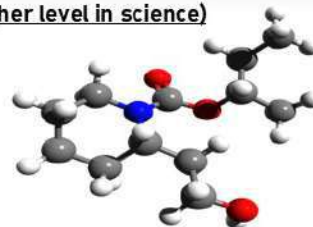
Bhujbal Knowledge City

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enquiries@bkc.met.edu | www.metbkc.edu.in | ☎ 988 110 0099



Institute of Pharmacy:

Is affiliated to Savitribai Phule Pune University and approved by Pharmacy Council of India (PCI), All India Council For Technical Education (AICTE) and Directorate of Technical Education (DTE), Started way back in 2006, the institute is running the undergraduate course and three post graduate courses



About the Course:

Department of pharmaceutical chemistry and Institutional Quality Assurance Cell of MET's Institute of pharmacy, Nashik India announcing Online Certificate Course on *Fundamentals of Organic Chemistry: Industry Perspective*. MET's institute of pharmacy, Nashik is affiliated to Savitribai Phule Pune University, Pune, approved by pharmacy council of India, All India Council for Technical Education (AICTE) and Director of Technical Education (DTE). MET's Institute of Pharmacy is started way back year 2006, institute is running degree and three postgraduate course, Ph.D and pharm.D

Importance of the course

Fundamental concepts in organic chemistry does play important role in pharmaceutical industries. In pharmaceutical industries particularly in drug, intermediate impurity synthesis, their analysis, formulation requires basic knowledge chemistry. In formulation development, selection of ingredients also needs knowledge of their a chemical stability, inertness with drug as well with other ingredients. Also, in isolation and characterization of key ingredients from part of plants needs knowledge of chemical concepts like solvent selection, characterization of compound by techniques like IR, MS and NMR in turn requires basic chemistry knowledge.

Online Mode

Key Highlights

Lectures of Experience
Industrial Experts

Dedicated GPAT Section

- Course is in online mode and can be viewed as per convenience
- All fundamental concepts are explained in detail and in simplified manner
- Lectures of experienced industrial experts are included
- Dedicated section on GPAT preparation inclusiveness of strategies and tricks
- Every session inclusive of practise questions for evaluation
- Collaborative certificate with different industries will be issued

Objectives of Course

Above discussion laments the importance of basic knowledge chemistry in understanding relevant areas of pharmaceutical and chemical sciences. So certificate course is designed on fundamental concept of organic chemistry for early stage learners with following objectives

- To make students learned of *fundamental concepts* in organic chemistry
- To make students learned of how these concepts are required in understanding relevant areas in different subjects
- To make learner aware of the fact how fundamental concepts can be applied in understanding different subjects
- To make learner aware how these concepts are useful in working in pharmaceutical industry like in medicinal chemistry, pharmaceutical analysis, pharmaceuticals, bioinformatics and pharmacognosy
- Dedicated section on GPAT preparation strategies and tricks for pharmaceutical chemistry subjects

Fees: Rs: 350 /- (Inclusive of GST), Duration: One week ,

Bank details for fees: Bank name: HDFC bank, Account no:20412320000284, IFSC:HDFC0002041

Coordinator

Dr. Santosh Chhajed
Associate Professor (+919923117500)
Email: chhajedss@gmail.com

Convener

Dr. Sanjay Kshirsagar
Principal,
MET's Institute of Pharmacy, Bhujbal
Knowledge City, Adgaon, Nashik, 422003

Report
on
IMPACT LECTURE SERIES
Sssion1, Lecture-1

Impact Lecture Series was Sponsored by Ministry of Education's Institutes Innovation Council (MIC) and AICTE. This series was conducted in two sessions each consisting of two lectures.

An impact lecture series Session-1, lecture-1 was organized on 28-9-2021, The details are as follows

Title of the Topic : Research and Development in Pharma. Industry

Details of the Resource Person: Mr. Sachin Kushare

Senior Research Scientist, Glen mark Pharmaceuticals ltd. R&D centre, Sinner.

Day and Date : 28-9-2021

Number of Participants: 296

Link to join lecture: <https://youtu.be/2yD07iNoV6w>

Social media shared link:

<https://www.facebook.com/101408854942632/posts/402640954819419/>

Objectives:

This lecture was planned to make awareness about Research & Development during the education and in Industry. When research comes to the pharmaceutical research industry, R&D services not only generates income for the companies involved in the research but it also brings results in lives being saved, or at least enhancement in patient's lives.

Outcomes:

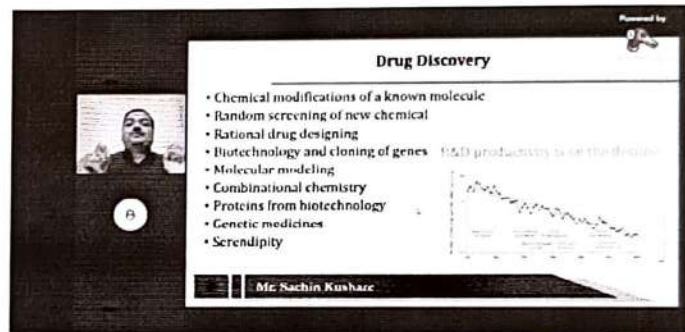
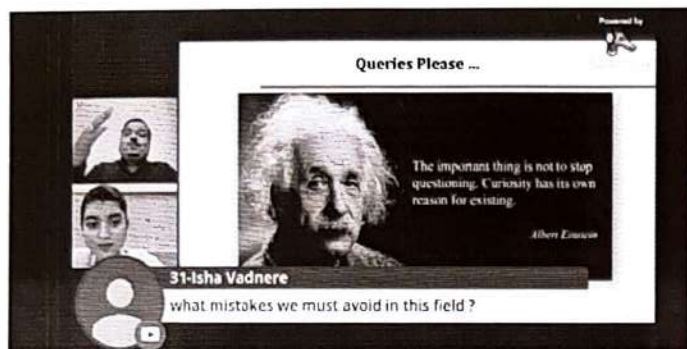
Students and staff came to know about importance of research and development in manufacturing procedures, quality control measures being taken, production scope and technical know-how in the industry.

Key Highlights of the Lecture:

Mr.Sachin Kushare focused to develop research attitude among the students by taking industrial problems associated with the various formulation.He guided about new era of medicine where breakthrough science is transforming care and our approach to treating patients. Good quality research and development (R&D) is crucial to the long-term success of the pharmaceutical industry and more

generally, the wider life-sciences sector, but acquiring adequate funding is often viewed as a challenge, particularly at the feasibility or concept stage of R&D.

Photo Gallery:



Mr. Mahendra V. Khairnar
Impact Lecture Series
Co-ordinator

Dr. Rani S. Kankate
IIC Convener

Dr. Sanjay J. Kshirsagar
IIC President, Principal



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MET's Institute of Pharmacy
Adgaon, Nashik-3.

**Report
on
IMPACT LECTURE SERIES
Session1, Lecture-2**

Impact Lecture Series was Sponsored by Ministry of Education's Institutes Innovation Council (MIC) and AICTE. This series was conducted in two sessions each consisting of two lectures.

An impact lecture series Session-1, lecture-2 was organized on 28-9-2021, The details are as follows

Title of the Topic : Journey from Business Idea to Start-up

Details of the Resource Person: Mr. Vikrant Bhujbalrao Director, Business Incubation Company, Your Sarthi.

Date : 28-9-2021

Number of Participants: 296

Link to join lecture: <https://youtu.be/2yD07iNoV6w>

Social media shared link: <https://www.facebook.com/101408854942632/posts/402640954819419/>

Objectives:

This lecture is aimed for the students and faculties who are keen interested in the commercialization of their idea into business. In this lecture all the budding entrepreneurs were made aware about process, difficulties and legal requirements for converting idea into commercialized product/ service.

Outcomes :

Budding entrepreneurs were known with the process of converting idea into start-up

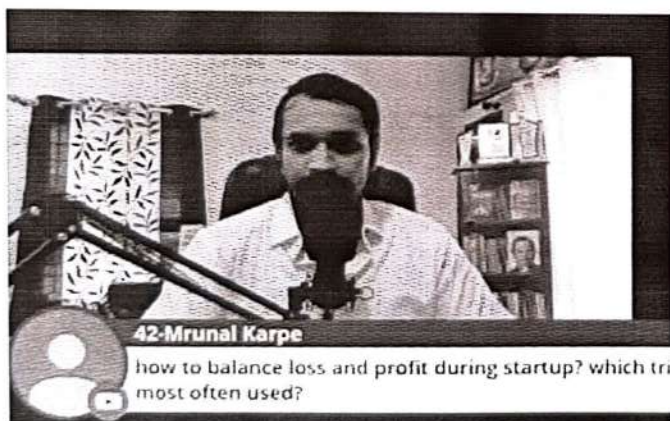
Key Highlights of the Lecture:

The process / steps in converting idea into start-up was discussed in details by Mr. Vikrant Bhujbalrao with his own journey as follows

1. Ideation - to have an innovative idea that answers a current need
2. Conception - Once confirmed the potential of the idea, it's time to develop the model and business plan in order to attract potential partners and / or investors.
3. Company Establishment - It should be treated as soon as the bureaucracy associated with the legalization of startup, since the definition of business structure to raise financing.

4. Brand management - This is one of the most neglected by the steps startup and having the same weight as other phases. Here is defined a visual entity of the company, setting a logo as well as the creation of a landing page.
5. Brand Protection - It is essential that as soon as the business idea remains unique and exclusive. There are several types of protections from copyright to patents.
6. Development - It's time to make the idea a reality. Here should be set which types of development are better fits for the startup and start to put hands to work.
7. Market launch - The last step is to place the product / service developed in the market. Here we apply the best marketing strategies to win the maximum number of customers possible.

Photo Gallery:



Mahendra V. Khairnar

Mr. Mahendra V. Khairnar
Impact Lecture Series
Co-ordinator

Rani S. Kanakate

Dr. Rani S. Kanakate
IIC Convener

Sanjay J. Kshirsagar

Dr. Sanjay J. Kshirsagar
IIC President, Principal



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Report
on
IMPACT LECTURE SERIES
Session-2, Lecture-1

Impact Lecture Series was sponsored by Ministry of Education's Institutes Innovation Council (MIC) and AICTE. This series was conducted in two sessions each consisting of two lectures.

An impact lecture series Session-2, lecture-1 was organized on 18-10-2021, The details are as follows

Title of the Topic : Generic Medicines: The new opportunity in Pharma. Business

Details of the Resource Person: Mr. Sachin S. Birari, Founder & Director, Generilife Pvt.Ltd, Nashik.

Date : 18-10-2021

Number of Participants: 520

Link to join lecture: https://youtu.be/2ld7M5_-52M

Social media shared link:

https://m.facebook.com/story.php?story_fbid=415474100202771&id=101408854942632

Objectives: To aware about the scope of Generic Medicines to budding entrepreneurs.

Outcomes: Many have shown their interest in starting the generic medicines manufacturing and Generic Medicine store.

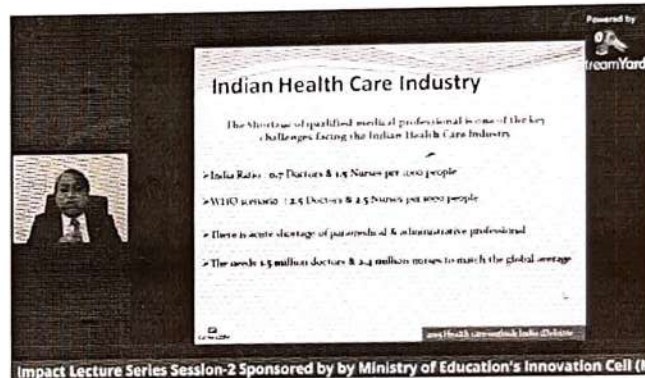
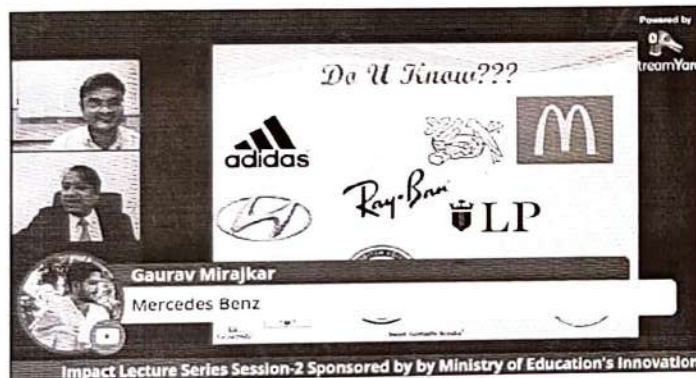
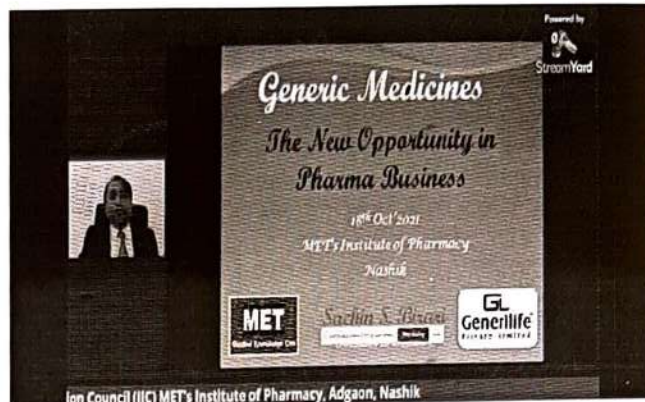
Key Highlights of the Lecture:

A generic drug is a medication created to be the same as an existing approved brand-name drug in dosage form, safety, strength, route of administration, quality, and performance characteristics. A generic medicine works in the same way and provides the same clinical benefit as its brand-name version.

Mr. Sachin Birari focused on myths and facts about Generic Medicines like; generic medicines take longer to act in the body, not as potent as brand-name drugs, safe as brand-name drugs, likely to cause side effects and are sold loose.

Sir has also focused on how to start a generic medicine store and what are the schemes, subsidies by the government to start generic business.

Photo Gallery:



Mahendra V. Khairnar

Mr. Mahendra V. Khairnar
Impact Lecture Series
Co-ordinator

Rani S. Kankate

Dr. Rani S. Kankate
IIC Convener

Sanjay J. Kshirsagar

Dr. Sanjay J. Kshirsagar
IIC President, Principal

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Report
on
IMPACT LECTURE SERIES
Session- 2, Lecture-2

Impact Lecture Series was Sponsored by Ministry of Education's Institutes Innovation Council (MIC) and AICTE. This series was conducted in two sessions each consisting of two lectures.

An impact lecture series Session-2, lecture-2 was organized on 18-10-2021, The details are as follows

Title of the Topic : Recent Trends in Nanomedicine and Nanotechnology

Details of the Resource Person: Dr. Rakesh Tekade, Professor, NIPER-A, Ahmadabad

Date : 18-10-2021

Number of Participants: 520

Link to join lecture: https://youtu.be/2ld7M5_-52M

Social media shared link:

https://m.facebook.com/story.php?story_fbid=415474100202771&id=101408854942632

Objectives:

The objective behind planning of this lecture was to focus on current trends in Nanomedicine and Nanotechnology and how they are beneficial in Nanotherapeutics

Outcomes :

To improve the knowledge of entrepreneurs about the emerging field of Nanotechnology and Nanomedicines.

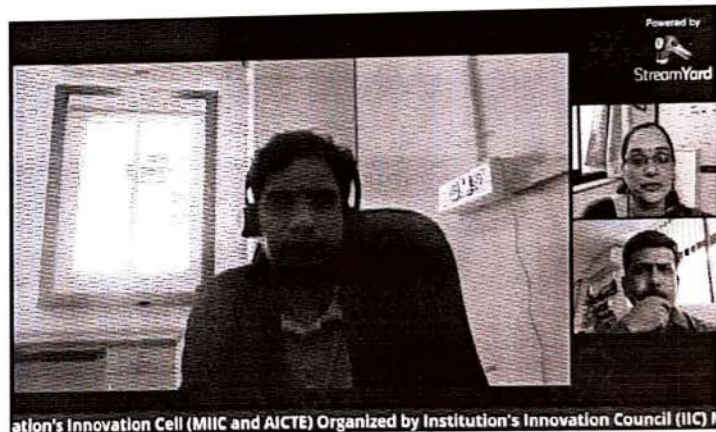
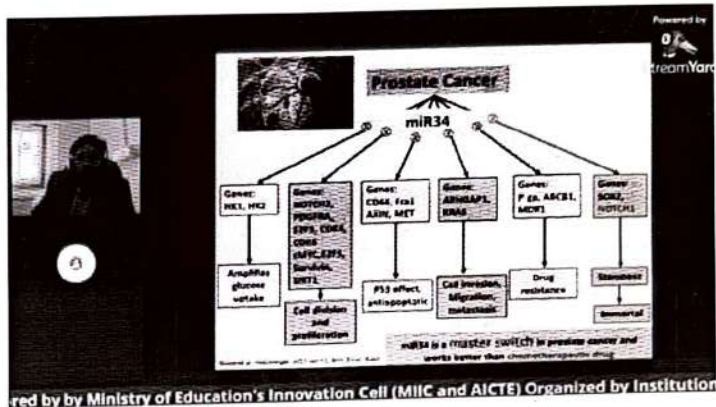
Key Highlights of the Lecture:

The overall aspects with respect to research in of Nanotechnology and Nanomedicine was focused by Dr. Rakesh Tekade

Nanotechnology has been applied to increase absorbability. Nanomedicine is also applicable for drugs that are absorbed too quickly and removed from the body as waste before treatment can be affective. Nanomedicine can increase the time period in which a drug remains

active in the body. The parameters to be modified for effectiveness of pharmaceutical drugs was discussed in detail.

Photo Gallery:



Mahendra V. Khairnar

Mr. Mahendra V. Khairnar
Impact Lecture Series
Co-ordinator

Rani S. Kankate

Dr. Rani S. Kankate
IIC Convener

Sanjay J. Kshirsagar

Dr. Sanjay J. Kshirsagar
IIC President, Principal




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Bhujbal Knowledge City
MET's Institute of Pharmacy, Adgaon, Nashik

Index of Industrial Visit 2021-22

Sr. No.	Date	Name of Industry	Students Benefited	Staff Benefited	Coordinator
1	28/05/2022	Advanced Enzymes Technology Ltd. Malegaon, Sinnar, Nashik	Final year B.Pharm	1. Mr. A. S. Deore 2. Mr. R. S. Ahire 3. Mr. A. B. Jadhav	Mr. A. S. Deore
2	25/04/2022	Ayurved Seva Sangh, Panchavati, Nashik	2 nd Year B. Pharm	1. Mr. A. S. Deore 2. Mr. P B. Pawar	Mr. A. S. Deore


Dr. Sanjay J. Kshirsagar
Principal
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Adgaon, Nashik-3.




Mr. Abhijit S. Deore
Industrial Visit Coordinator

**Bhujbal Knowledge City
MET's Institute of Pharmacy
Adgoan Nashik.**

Industrial Visit 2021-22

Advanced Enzymes Technologies Ltd Malegaon, Sinnar

Details of the visit are as follows:

- **Name and Address of organization visited:** Advanced Enzymes Technologies Ltd. A-61/62. MIDC Malegaon, Sinnar.
- **Date:** 28/05/2022, Time: 2 pm onward
- **Mode of Transport:** College vehicle (Bus)
- **Media link**
<https://www.facebook.com/101408854942632/posts/pfbid0kxMZKJxu9qCbna9zTwhB LsmYeLgpF61L3j2JmyD3gn2t5VwKpLYLvUNcAtnDRbzI/?sfnsn=wiwspmo>

The following faculty members accompanied the students for the visit:

- Mr. Abhijit S. Deore, Mr. Abhish B. Jadhav, Mr. Rohan S. Ahire.
- A total of 47 students took benefit of the visit arranged. List of the names of the students who visited the facility is attached with report.

Highlights of the visit:

MET'S Institute of Pharmacy, Nashik organized an industrial visit for the students of Final Year B.Pharm on 28th May 2022 at **Advanced Enzymes Technologies Ltd Malegaon, Sinnar**. Industrial visit is a part of curriculum at MET'S Institute of Pharmacy. The visit commenced with presentation by Animesh Bakshi (Q. A. Head) and Mr. Arvind Arote, Mr. Amol Tonde at **Advanced Enzymes Technologies Ltd Malegaon, Sinnar** about company's profile, facilities, growth and status. Then students were distributed in three groups. Students visited different departments of Industry. The technical staff from industry explained the details like Process flow of Enzymes manufacturing starting from Entry of Raw material into the factory till finished product exit from factory. They explained various processes like Fermentation, mixing, Storage, Fluidized Bed Drying, Blending and final packaging.

**Bhujbal Knowledge City
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Adgoan Nashik.**

Industrial Visit 2021-22

Students came across various instruments like Digital pH meter, Waterbath with constant temp Karl Fischer, Moisture analyser, LC-MS, HPLC, Blender, Fermentor with 25000 litre, Spray Dryer, Packaging machine etc.

Students also visited different department and sections like QC, QA, Engineering/utilities etc. Technical staff also explained the principle and working of utility system of plant including water system, waste material treatment.

This made our students to correlate their theory with practical application in Pharma manufacturing field. The officials of **Advanced Enzymes Technologies Ltd.** appreciated and impressed with curiosity of our students to learn the subject. The students were very happy and felt enriched after visiting.

Conclusion: Overall it was good learning experience for students at manufacturing of enzymes and overall system of pharmaceutical manufacturing facility.

Acknowledgements: At the end of visit the faculty members of MET's IOP, acknowledge Dr Animesh Bakshi (Q. A. Head) and Mr. Arvind Arote, Mr. Amol Tonde for giving opportunity to students for industrial exposure.

Photogallery:

**Bhujbal Knowledge City
MET's Institute of Pharmacy
Adgoan Nashik.**

Industrial Visit 2021-22



**Bhujbal Knowledge City
MET's Institute of Pharmacy
Adgaon Nashik.**

Industrial Visit 2021-22



Dr. Sanjay J. Kshirsagar

Principal

PRINCIPAL
MET's Institute of Pharmacy
Adgaon, Nashik-3.



Mr. Abhijit S. Deore

Industrial Visit Coordinator

**Bhujbal Knowledge City
MET's Institute of Pharmacy
Adgoan Nashik.**

Industrial Visit 2021-22

Ayurveda Seva Sangh Panchavati, Nashik

Details of the visit are as follows:

- **Name and Address of organization visited:** Ayurveda Seva Sangh, Panchavati, Nashik, 422003
- **Date:** 25/04/2022, Time: 10 am-1pm
- **Mode of Transport:** College vehicle (Bus)
- **Media link**
<https://www.facebook.com/101408854942632/posts/536894784727368/?sfnsn=wiwspm>

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The following faculty members accompanied the students for the visit:

- Mr. Abhijit S. Deore, Mr. Pratap B. Pawar
- A total of 57 students of 2nd year B.Pharm took benefit of the visit arranged. List of the names of the students who visited the facility is attached with report.

Objective of Visit

- To learn How to manufacture and analyze the Ayurved product
- To provide the students an insight regarding the internal working of company

Highlights of the visit:

Students visited different departments of Industry. The technical staff from industry explained the details like Process flow of Ayurvedic Product manufacturing starting from Entry of Raw material into the factory till finished product exit from factory. They explained various processes like Fermentation, mixing, Storage, and final packaging.

This made our students to correlate their theory with practical application in Pharma manufacturing field.

Bhujbal Knowledge City
MET's Institute of Pharmacy
Adgaon Nashik.

Industrial Visit 2021-22



Dr. Sanjay J. Kshirsagar

Principal

PRINCIPAL

MET's Institute of Pharmacy
Adgaon, Nashik-3.



Mr. Abhijit S. Deore

Industrial Visit Coordinator

Bhujbal Knowledge City, Adgaon- 422 003,

Dist: Nashik (M.S.), India.

Final Year B Pharm (Sem VIII) Project Details

Name of the student	Title of the Project	Name of the Guide	Marks Obtained
Supriya Narwade	To improve the patient compliance of geriatric patients by formulating a bed sore spray	Dr. Sanjay Kshirsagar	132
Aditya Byas	To improve the patient compliance of geriatric patients by formulating a bed sore spray	Dr. Sanjay Kshirsagar	135
Akash Khanapure	Comparative study of Marketed product of tulsi and fresh lives of tulsi used as immunity booster	Dr. S. P. Ahirrao	115
Ayush Nathwani	Pure Almond-Under Eye Gel	Dr. N. L. Dashputre	110
Bhushan Arun Nikam	Formulation Of Herbal mouthwash(clove, turmeric, liquorice , Tulsi)	Dr. UD Laddha	117
Chordiya Yash	To prepare and evaluate herbal mouth wash	Dr. UD Laddha	117
Dakshita Yatin Raut	Nutrient Chocolate Bar	Dr. UD Laddha	131
Dhanashree Salve	Antiacne moisturizer by incorporating tea tree oil	Dr. D. S. Bhambere	100
Gauri Pawar	Antiacne moisturizer by incorporating tea tree oil	Dr. D. S. Bhambere	100
Gautam Bajaj	To improve the patient compliance of geriatric patients by formulating a bed sore spray	Dr. Sanjay Kshirsagar	132
Heemani Dave	To improve the patient compliance of geriatric patients by formulating a bed sore spray	Dr. sanjay Kshirsagar	132
Himanshu Barve	Pure Almond-Under Eye Gel	Dr. N. L. Dashputre	110

Kaveri Gholap	Antiacne moisturizer by incorporating tea tree oil	Dr. D. S. Bhambere	105
Komal Patil	Antiacne moisturizer by incorporating tea tree oil	Dr. D. S. Bhambere	105
Omkar Nagendra Jadhav	Formulation Of Herbal mouthwash(clove, turmeric, liquorice , Tulsi)	Dr. UD Laddha	117
Pradip Khadave	Comparative study of Marketed product of tulsi and fresh lives of tulsi used as immunity booster	Dr. S. P. Ahirrao	115
Rishikesh Patil	Pure Almond-Under Eye Gel	Dr. N. L. Dashputre	110
To prepare and evaluate herbal mouth wash	Formulation of Polyherbal Handwash	Dr. UD Laddha	117
Shivanjali Dnyaneshwar Jejekar	Isolation, Extraction and Evaluation of pectin and starch from Finger Millet (Ragi)	Dr.Gitanjali Deokar	120
Shubham Gaikwad	Comparative study of Marketed product of tulsi and fresh lives of tulsi used as immunity booster	Dr. S. P. Ahirrao	120
Shubham Kotwal	Pure Almond-Under Eye Gel	Dr. N. L. Dashputre	110
Snehal Ashok Thenge	Herbal oil	Dr. UD Laddha	117
Suresh Bende	Comparative study of Marketed product of tulsi and fresh lives of tulsi used as immunity booster	Dr. S. P. Ahirrao	138
Ashutosh Mahatme	Pure Almond-Under Eye Gel	Dr. N. L. Dashputre	110
Ashwini Shantaram ubale	Preparations Herbal Hair Oil	Dr. UD Laddha	117
Atul Khaire	Comparative study of Marketed product of tulsi and fresh lives of tulsi used as immunity booster	Dr. S. P. Ahirrao	134
Gargee Dhaneshwar	To improve the patient compliance of geriatric patients by	Dr. Sanjay	135

	formulating a bed sore spray	Kshirsagar	
Mavali Pravin Gulab	To prepare and evaluate herbal mouth wash	Dr. UD Laddha	117
Sakshi Subhash Wagh	Nutrient Chocolate Bar	Dr. UD Laddha	131
Sohel Shaikh	Antiacne moisturizer by incorporating tea tree oil	Dr. D. S. Bhambere	130
Vinod Vijay Pawar	Formulation Of Herbal mouthwash(clove, turmeric, liquorice , Tulsi)	Dr. UD Laddha	117
Ankita Dnyaneshwar vidhate	Formulation of herbal mouth freshener spray	Mr. Pratap B. Pawar	100
Rohini Ganesh jadhav	Formulation of herbal mouth freshener spray	Mr. Pratap B. Pawar	100
Samidha Sameer Balkawade	Formulation of herbal mouth freshener spray	Mr. Pratap B. Pawar	128
Sandesh Rajesh Deshmukh	Formulation of herbal mouth freshener spray	Mr. Pratap B. Pawar	128
Hrishikesh Prakashrao Chavan	Formulation of herbal mouth freshener spray	Mr. Pratap B. Pawar	95
Abhijeet sunil pawar	Formulation and evaluation of herbal immunity booster	Mr. Pratap B. Pawar	100
Ahire Nisarg Dilip	Formulation and evaluation of herbal immunity booster	Mr. Pratap B. Pawar	115
Tejas Nitin Bankar	Formulation and evaluation of herbal immunity booster	Mr. Pratap B. Pawar	110
Parikshit balasaheb chavan	Formulation and evaluation of herbal immunity booster	Mr. Pratap B. Pawar	95
Shinde Vikas Ramesh	Formulation and evaluation of herbal immunity booster	Mr. Pratap B. Pawar	100

Tejas Bapu Bagul	Formulation and evaluation of herbal immunity booster	Mr. Pratap B. Pawar	100
Prasanna Anilkumar Amrutkar	Survey on Preference of Consumers on Herb Added Product	Mr. Pratap B. Pawar	125
ANKITA JALINDER GAIKWAD	Survey on Preference of Consumers on Herb Added Product	Mr. Pratap B. Pawar	95
MAYUR SUNIL DHOLE	Survey on Preference of Consumers on Herb Added Product	Mr. Pratap B. Pawar	125
NISHA YOGIRAJ SONAWANE	Survey on Preference of Consumers on Herb Added Product	Mr. Pratap B. Pawar	110
SAKSHI SANTOSH KAMOD	Survey on Preference of Consumers on Herb Added Product	Mr. Pratap B. Pawar	100
Ritesh Oturkar	Novel Formulation & Deveoplment of natural anticrack heel stick	Mr. Pratap B. Pawar	121
Sujit pachorkar	Novel Formulation & Deveoplment of natural anticrack heel stick	Mr. Pratap B. Pawar	121
Ankush Jadhav	Novel Formulation & Deveoplment of natural anticrack heel stick	Mr. Pratap B. Pawar	120
Pratiksha Dudhbhate	Novel Formulation & Deveoplment of natural anticrack heel stick	Mr. Pratap B. Pawar	100
Bodke Samruddhi	Novel Formulation & Deveoplment of natural anticrack heel stick	Mr. Pratap B. Pawar	100
Vaibhav Uttam Dhikale	Herbal Skin Brightening Gel	Dr Santosh S. Chhajed	124
Yogita Vijay Ahire	Herbal Skin Brightening Gel	Dr Santosh S. Chhajed	124
Vaishnavi Keshav Holgade	Herbal Skin Brightening Gel	Dr Santosh S. Chhajed	124

Yash Bhushan Kulkarni	Herbal Skin Brightening Gel	Dr Santosh S. Chhajed	123
Akshada padmakar desale	Herbal Hair tonic	Mr. Rakesh Shelke	95
Pooja bhimashankar mitkar	Herbal Hair tonic	Mr. Rakesh Shelke	105
Ashlesha sunil kapadane	Herbal Hair tonic	Mr. Rakesh Shelke	100
Akanksha Govind Zugare	Formulation of Herbal Face Toner	Mr. Rakesh Shelke	100
Sakshi Sonawane	Formulation of Herbal Face Toner	Mr. Rakesh Shelke	105
Kalyani Ghotekar	Formulation of Herbal Face Toner	Mr. Rakesh Shelke	105
Shivam Tralkar	Formulation of lip bam using Beeta Vulgaris (Beet root)	Mr. Abhish Jadhav	102
Sanket Gite	Formulation of lip bam using Beeta Vulgaris (Beet root)	Mr. Abhish Jadhav	85
Tejas Ghumare	Formulation of lip bam using Beeta Vulgaris (Beet root)	Mr. Abhish Jadhav	82
Pranav Chinchole	Formulation of lip bam using Beeta Vulgaris (Beet root)	Mr. Abhish Jadhav	81
Sahil Savale	Formulation of lip bam using Beeta Vulgaris (Beet root)	Mr. Abhish Jadhav	85

**Bhujbal Knowledge City,
MET's Institute of Pharmacy, Nashik
Academic year 2021-2022**

Details of Training

Roll No.	Name of the Student	Name of Company	Start date	End date
1	Ahire Nisarg Dilip	Lokmanya Medical, Malegaon	15/05/202 1	15/06/202 1
2	Amrutkar Prasanna Anilkumar	Shreeram Medical & General Stores	25/05/202 1	26/06/202 1
3	Asole Rahul Kiran	Indrayani Pharmacy, Nashik RAP Analytical Research & Training Center, Nashik	15/06/202 1 27/10/202 1	15/07/202 1 26/11/202 1
4	Badgujar Gauri Santosh	Balaji Medico, Pune Green Plus Pharma, Nashik Chaitanya Pharmaceuticals Pvt. Ltd.	05/06/202 1 28/10/202 1 08/12/202 1	10/07/202 1 28/11/202 1 22/12/202 1
5	Bagul Tejas Bapu	Sandip Medical & General Stores, Nashik	24/06/202 1	24/07/202 1
6	Balkawade Samidha Sameer	Shree Balaji Pharmaceutical Distributor's	01/05/202 1	31/05/202 1
7	Bankar Tejas Nitin	Anand Medical, PimpalgaonBaswant	03/05/202 1	03/06/202 1
8	Barve Himanshu Prasad	Chinmay Medical	01/05/202 1	01/06/202 1
9	Badgujar Sanket Dnyaneshwar	Yeole Pharma, Nashik Vidisha Analytical, Nashik	18/05/202 1 22/12/202 1	19/06/202 1 23/12/202 1
10	Bhagat Samiksha Vijay	Shree medical Nashik Chaitanya pharmaceuticals Pvt. Ltd.	04/04/202 1 23/12/202 1	05/06/202 1 06/01/202 2
11	Bhagat Shubham Bhagirath	Lifeline Chemist Medical, Nashik Vidisha Analytical, Nashik	15/03/202 1	15/05/202 1

			22/12/202 1	23/12/202 1
12	Bhamare Sakshi Pravil	ChaitanyaPharmaceuticals Pvt. Ltd. Nilkamal Medical & General stores	08/12/202 1 23/05/202 1	22/01/202 2 23/06/202 1
13	Bodke Samruddhi Ghanashyam	Vidisha Analytical, Nashik Radhika Medical, Nashik	22/12/202 1 10/02/202 1	23/12/202 1 15/03/202 1
14	Chate Poonam Vijay	Navkar Medico, Cidco Nashik.	05/06/202 1	10/07/202 1
15	Chavan Hrishikesh Prakashrao	Arjun Medical, Kalwan, Nashik	13/05/202 1	14/05/202 1
16	Chavan Parikshit Balasaheb	Arjun Medical, Kalwan, Nashik	15/06/202 1	14/07/202 1
17	Chavanke Sukanya Vilas	Chaitanya Pharmaceuticals Pvt. Ltd. Nilkamal Medical & General stores	23/12/202 1 21/05/202 1	06/01/202 2 21/06/202 1
18	Desale Akshada Padmakar	Rajshree Medical, Murbad	02/04/202 1	03/05/202 1
19	Dhole Mayur Sunil	Vidisha Analytical, Nashik Shree Ganesh Medical, Nashik	22/12/2021 15/09/202 0	23/12/202 1 15/11/202 0
20	Dudhbhate Pratiksha Jayaji	Vidisha Analytical, Nashik Nutan Medical & General stores, Nashik	22/12/202 1 22/02/202 1	23/12/202 1 27/03/202 1
21	Gaikwad Ankita Jalindar	Parth Medicare	15/03/202 1	15/06/202 1
22	Gholap Kaveri Sanjay	Vidisha Analytical, Nashik	22/12/202 1	23/12/202 1

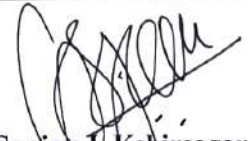
		Ganesh Medical, Nashik	15/05/202 1	16/06/202 1
23	Jadhav Laxmi Avinash	Sahil Medical, Nashik	15/06/202 1	16/07/202 1
24	Jadhav Sakshi Mahesh	Life Care Medical &General Stores, Nashik Chaitanya Pharmaceuticals, Pvt. Ltd.	17/05/202 1 08/12/202 1	18/06/202 1 22/12/202 1
25	Jamdar Ganesh Vinayak	RAP Analytical Research &training center, Nashik Mauli medical & General Stores	27/10/202 1 25/05/202 1	26/11/202 1 28/06/202 1
26	Kamod Sakshi Santosh	Get well medicos, Nashik	12/05/202 1	13/06/202 1
27	Lad Aishwarya Suhas	Om swastika Medical and general store , Kalwan	13/06/202 1	13/07/202 1
28	Lokhande Rutuja Kiran	New Mahesh Medical , Nashik RAP Analytical Research &training center, Nashik	18/05/202 1 27/10/202 1	18/06/202 1 26/11/202 1
29	Mahajan Sahil Manish	Ekvira Medicals ,Nashik Chaitanya Pharmaceuticals PVT LTD	16/12/202 0 08/12/202 1	17/03/202 1 22/12/202 1
30	Mahale Tanuja Vilas	Vidisha Analytical, Nashik Shree Saptashrunji Medical , Vani	22/12/202 1 18/05/202 1	23/12/202 1 18/06/202 1
31	Narwade Supriya Shilendra	Vatsalya medical , Nashik RAP Analytical Research &training center, Nashik	15/02/202 1 27/10/202	17/03/202 1 26/11/202

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32	Navare Dhiraj Sunil	Vidisha Analytical, Nashik Rameshwar Medical, Nashik	22/12/202 1 03/05/202 1	23/12/202 1 04/06/202 1
33	Nikam Tejashree Raosaheb	Core Analyticals PVT. LTD	16/02/202 1	19/03/202 1
34	Pagar Pratiksha Prakash	Core Analyticals PVT. LTD	16/02/202 1	19/03/202 1
35	Pathade Nikhil Vitthal	Kamal Medical and general stores RAP Analytical Research &training center, Nashik	03/06/202 1 27/10/202 1	04/07/202 1 26/11/202 1
36	Patil Komal Dhanraj	Jay Gajanan Medical Nashik	01/06/202 1	15/07/202 1
37	Pawar Abhijeet Sunil	Atmamalik Pharma Nashik	21/04/202 1	21/05/202 1
38	Pawar Gauri Dilip	Vidisha Analytical, Nashik Hrudayakash medical , nashik	22/12/202 1 16/03/202 1	23/12/202 1 23/04/202 1
39	Salve Dhanashri Dilip	Vidisha Analytical, Nashik Vatslya medical Nashik	22/12/202 1 15/02/202 1	23/12/202 1 17/03/202 1
40	Satpute Mansi Gajanan	Shree medical ozar ,nashik	16/06/202 1	17/07/202 1
41	Shinde Vikas Ramesh	Sandip medical and general stores nashik	23/05/202 1	23/06/202 1
42	Shaikh Mohamad Sohel Halim	Shree Siddhivinayak medical and general store Dindori	15/02/202 1	17/03/202 1
43	Sonawane Nisha Yogiraj	Shakun medical nashik	25/03/202 1	26/05/202 1
44	Sonawane Tejas Ravindra	Swamini medical, dugoan	01/04/202 1	04/06/202 1
45	Sujgure Akanksha Dattatray	Shantanu medical and general store RAP Analytical Research	01/06/202 1	30/06/202 1

		&training center, Nashik	27/10/202 1	26/11/202 1
46	Vyavahare Maheshwari Dilip	A& R Labdoor LLP. Manmad	20/03/202 1	20/06/202 1
47	Yamgar Pavan Vitthalrao	Vidisha Analytical, Nashik Lifeline Chemist Medical , Nashik	22/12/202 1 15/05/202 1	23/12/202 1 15/06/202 1
48	Yeole Gayatri Balkrishna	Raja medical chalisgaon	10/06/202 1	10/07/202 1
49	Mahatme Ashutosh Ratanrao	Ganeshvara Medicaid PVT LTD	14/06/202 1	15/07/202 1
50	Jadhav Ankush Shankar	Shri medical and general store , Adgaon	07/05/202 1	14/06/202 1
51	Ubale Ashvini	Kunal Medical , Niphad	01/06/202 1	01/07/202 1
52	Barve Ravina Valu	Sarvadnya medical and agency , makhamalabad	05/05/202 1	10/06/202 1
53	Kedare Pooja Yashwant	Anjani medical , lasalgaon	30/05/202 1	01/06/202 1
54	Dawange Komal Bhausaheb	Gaurav medical khedgaon	10/05/202 1	20/06/202 1
55	Bagul Mayuri Karbhari	Murlidhar medical and general stores ,Satana	26/05/202 1	26/06/202 1
56	Deshmukh Dhanshri Hemant	Yuvraj medical and general store Nashik	08/05/202 1	10/06/202 1
57	Oturkar Ritesh Vijay	Dhandai medical ,otur	28/05/202 1	30/06/202 1
58	Pachorkar Sujit Anil	Gaurav medical ,Khedgaon	28/05/202 1	30/06/202 1



Dr. Nilima A. Thombre
Training In-Charge

Dr. Sanjay J. Kshirsagar
PRINCIPAL
Principal
MET's Institute of Pharmacy
Adgaon, Nashik-3.

MET's INSTITUTE OF PHARMACY

Academic year 2021-2022

Details of Training

Div A (Second Year)

Roll No.	Name of the Student	Name of Medical	City	Start date	End date
01.	Ahire Tanmay Sanjay	Jogeshwari medical & general stores	Nashik	11/25/2021	12/2/2021
02.	Aringale Payal Deepak	Tirupati medical And Genral stores	Nashik	11/25/2021	11/27/2021
03.	Barhate Kajal Ganesh	WE-CARE	Panvel	11/8/2021	11/22/2021
04.	Bedse Sushant Yuvraj	New Swanand Medical mhasadi	Dhule	11/15/2021	11/25/2021
05.	Beigh Danish Ashraf	Hilal medical store	Srinagar (Jammu & Kashmir)	11/15/2021	11/25/2021
06.	Bhadgale Srushti Sajayrao	Mahavir medical and general store	Newasa (Ahemadnagar)	11/18/2021	11/24/2021
07.	Bhoi Jagruti Ahok	Balaji Medical and General Store	Navapur (Nandurbar)	11/20/2021	11/25/2021
08.	Chakor Vaishnavi Eknath	Shree Samarth Medical	Nashik	11/25/2021	11/30/2021
09.	Chaudhari Tejas Pramod	New Parvati Medical & General Stores	Jalgaon	11/18/2021	11/27/2021
10.	Dalavi Kamini Hiranman	Shri Lifeline Pharma	Nashik	11/23/2021	11/25/2021
11.	Dalvi Prathamesh Sharad	New Akash Medical	Nashik	11/17/2021	11/25/2021
12.	Deore Mayuri Yashwant	Saikrupa Medical and General Stores	Nashik	12/20/2021	12/30/2021
13.	Devare Gauri Pinkesh	SHREE SAI MEDICAL AND GENERAL STORE	Ambarnath	11/23/2021	11/27/2021
14.	Dere Rushikesh Bapurao	Shaurya Medical and General Stores	Pimpalgaon Baswant	12/1/2021	12/2/2021
15.	Dongare Aditya Subhash	Sankalp Medical and General Stores	Niphad	11/23/2021	11/30/2021
16.	Gatade Tanmay Anil	Jagannath medical	Yavatmal	11/20/2021	11/25/2021
17.	Gawai Srushti Arun	Medicine plaza	Aurangabad	11/21/2021	11/23/2021
18.	Ghumare Prasad Arun	Akshada Medical and General store Janori	Nashik	11/19/2021	11/23/2021
19.	Godse Sanika Sunil	Shree Siddhivinayak Hospital Medical	Nashik	11/25/2021	12/6/2021
20.	Halde Apurva Rajesh	Rathi medical & General Stores	Nashik	11/20/2021	11/29/2021

MET's INSTITUTE OF PHARMACY

Established in Year- 2002

21.	Indave Mayuri Milind	Shifa Medical and General store	Ahmednagar	11/13/2021	11/23/2021
22.	Jadhav Pratiksha Tukaram	Santakrupa Medical and General Stores	Vinchur (Nashik)	11/26/2021	11/30/2021
23.	Jasrotia Sayzil	Lavotra medical store	Hamirpur (Jammu & Kashmir)	11/22/2021	12/3/2021
24.	Kadam Smruti Manoj	Laxmi medical	Nashik	11/22/2021	11/30/2021
25.	Kedare Yogesgh Ravindra	Sanskriti Medical & General Store	Bhatgaon (Chandwad)	11/15/2021	11/30/2021
26.	Khairnar Nivedita Vijay	Kalika medical shop	Nashik	12/3/2021	12/6/2021
27.	Khambayat Nitin Chintaman	Aher Medical & General Stores	Surgana (Nashik)	11/19/2021	11/25/2021
28.	Khatane Priyanka Yamaji	Sunil Medical and General store	Aurangabad	11/15/2021	11/22/2021
29.	Mahale Aniket Dhairyasing	Mangalam Medical & General Store, Nashik.	Nashik	11/21/2021	11/30/2021
30.	Mali Himanshu Sadashiv	Medical Station Pharma, Nashik	Nashik	11/15/2021	11/25/2021
31.	Malle Rakhi Ashok	Gurukrupa medical and general store, Tilak road, Satana.	Satana (Nashik)	11/7/2021	11/18/2021
32.	Mirajkar Gaurav Mandar	Jaee Medical and General Stores	Nashik	11/19/2021	11/29/2021
33.	Mohtashim Hassan	Shree astavinayak	Nashik	11/20/2021	11/25/2021
34.	Nalkar Anuja Shivaji	Sunanda medical and general store	Nashik	11/28/2021	12/5/2021
35.	Nere Tejaswini Sunil	Kanchan Medical Store	Nashik	12/1/2021	12/7/2021
36.	Nikam Isha Yogesh	Mangalam Medical And GeneralStore	Nashik	12/21/2021	12/30/2021
37.	Pagar Neha Sahebrao	Sanjivini medical	Nashik	11/15/2021	11/25/2021
38.	Palvi Sunil Popat	Bhagirathi Medical & General Store	Dangsoundane (Nashik)	11/22/2021	12/1/2021
39.	Pansare Purva Mahesh	Sunanda Medical and General stores	Nashik	11/28/2021	12/5/2021
40.	Pardeshi Nisha Manoj	Manoj Medical and General stores	Nashik	11/18/2021	12/2/2021
41.	Patil Dhiraj Jitendra	Shree Agresen medical	Malegaon (Nashik)	11/26/2021	12/1/2021

MET's INSTITUTE OF PHARMACY

Established in Year- 2002

42.	Patil Ovi Pravinkumar	Wellness Forever Chemist and Lifestyle Store	Nashik	11/20/2021	11/26/2021
43.	Pradhan Pratik Deelip	Rutvi Medical & General Store	Bhusawal (Jalgaon)	11/23/2021	11/30/2021
44.	Rathod Sakshi Prakash	Gayatri Medical and General Store	Nashik	11/17/2021	11/26/2021
45.	Sanap Sakshi Sanjay	Uttam Medical and General Store.	Nashik	11/22/2021	11/30/2021
46.	Sayyed Laiba Jalil	New Millenium Chemist	Nashik	11/29/2021	12/3/2021
47.	Sayyed Sheena Shadab				
48.	Shafi Basit	Malik medicate magam	Magam (Jammu & Kashmir)	11/15/2021	11/25/2021
49.	Shaikh Muskan Rauf	Vaishali medical store	Nifad (Nashik)	11/16/2021	11/26/2021
50.	Shaikh Mustabshira Arif	Shree Medical And General Store	Nashik	11/27/2021	11/30/2021
51.	Shewale Prathamesh Avinash	Sankalp medical	Nandgaon (Nashik)	11/20/2021	11/30/2021
52.	Shinde Vaishnavi Dhananjay	Vaishnavi Medical and Pharma(chemist & drugist	Nashik	11/22/2021	12/1/2021
53.	Shirole Sayali Jayprakash	Wellness Forever Chemist and Lifestyle Store	Nashik	11/20/2021	11/26/2021
54.	Shirsath Pooja Uttam	Tatyashri medical and general stores, Deola	Deola (Nashik)	11/7/2021	11/20/2021
55.	Singh Khushbu Virendrasingh	Shinde medical and general store	Nashik	11/26/2021	12/4/2021
56.	Thattekar Srushti Vijaynand	Life medical and general stores	Aurangabad	11/20/2021	11/26/2021
57.	Udgire Prashant Sanjay	Sanket medical and general store udgir	Udgir (Latur)	11/18/2021	12/24/2021
58.	Watpade Gayatri Vasant	Shreeratan medical and general store	Nashik	11/26/2021	11/28/2021

Academic year 2021-2022

Details of Training Div B (Second Year)

Roll No.	Name of the Student	Name of Medical	City	Start date	End date
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MET's INSTITUTE OF PHARMACY

Established in Year- 2002

1.	Ashte Amrata Mahadev	Tirumala Medical and general store	Sonpeth	11/19/2021	11/30/2021
2.	Banate Siddesh Mohan	Datta Prasad Medical and general store	Nashik	12/6/2021	12/8/2021
3.	Bedade Sakshi Mahendra	Siddehswar Medical	Nashik	11/15/2021	11/25/2021
4.	Bhagwat Ankush Vilas	Swami Medical and General Store	Nashik	12/6/2021	12/8/2021
5.	Bhalerao Sakshi Arun	P. M Medical & General Stores	Nashik	11/21/2021	11/25/2021
6.	Bhavsar Gitika Gajanan	Ambika Medical and General Store	Silvassa	11/12/2021	11/24/2021
7.	Chavan Atharva Subhash	Suparshwa Medical and General Store	Niphad	11/21/2021	11/25/2021
8.	Gadekar Rashmi Ravindra				
9.	Gangurde Saurabh Arun				
10.	Ganorkar Devendra Ashokkumar	Tanishk medical stores, Buldhana	Buldhana	11/11/2021	11/17/2021
11.	Gholap Rutuja Ganesh	Yashoda Medical Store	Nashik	11/20/2021	11/25/2021
12.	Gite Sanskruti Santosh	Manasvi medicals and general stores	Nashik	11/26/2021	11/29/2021
13.	Gosavi Kajol Sanjay	Ganesh Medical store	Nashik	11/16/2021	11/26/2021
14.	Handore Aditi Dinesh	Matoshri Medical & General Store	Nashik	11/18/2021	11/23/2021
15.	Jadhav Diganti Madhav	Vijay Medical	Pimpalgaon Baswant	11/18/2021	11/24/2021
16.	Jane Sakshi Shivaji	Prabhat medical and general stores	Chalisingaon	11/15/2021	11/27/2021
17.	Karpe Mrunal Valmik				
18.	Kasliwal Anurag Santosh			11/15/2021	11/20/2021
19.	Khairnar Kalpesh Deepak	Bharat Medical and general stores	Nandgaon	11/19/2021	11/24/2021
20.	Khairnar Tanishk Devidas	Sai Medical	Nashik	11/18/2021	11/22/2021

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Established in Year- 2002

21.	Khetmalas Vaishnavi Dattatray	Shri Sidhivinayak Medical	Ahemdhnagar	11/15/2021	12/20/2021
22.	Khule Akshada Prashant	Ravikiran Medicals and General Stores	Nashik	11/29/2021	12/2/2021
23.	Khirsagar Anjali Dattatrey	Shree saptshrungi medical and general stores	Vani	11/24/2021	11/29/2021
24.	Lasure Vedashree Mangesh	General store	Nashik	12/05/2021	12/01/2021
25.	Mahale Kaushal Somnath	S. P. medical Store	Nashik	12/2/2021	12/4/2021
26.	Mate Kanchan Haribhau	Shri Chakradhar Medical	Nashik	12/15/2021	12/25/2021
27.	More Prajakta Ganesh	Shaamsundar Medical Store	Chandwad	11/23/2021	11/29/2021
28.	More Sakshi Kiran	Balaji Medical Store	Pimpalgaon Baswant	11/10/2021	11/25/2021
29.	Nirbhavane Roshan Balu	Renuka medical & Hospital clinic	Chandvad	12/20/2021	11/25/2021
30.	Parik Prathamesh Yogesh	Guru Ganesh Medical and General Store	Manmad	11/21/2021	11/26/2021
31.	Patil Aditi Prashant	Navkar medical and general stores	Malegaon	11/10/2021	11/23/2021
32.	Patil Geetanjali Kashinath	Shri samarth Medical and general store	Nashik	11/19/2021	11/22/2021
33.	Patil Laxmi Vinod	Kasliwal medical and general stores	Ozar	11/02/2021	11/12/2021
34.	Patil Payal Vishram	New Bhagyoday Medical & General store	Shahada	11/10/2021	11/20/2021
35.	Patil Vaishnavi Nilesh	Sibbi medical	Jaykheda, Nashik	11/11/2021	11/20/2021
36.	Pawar Dhanashri Vasant	Dangai medical	Dahivel	11/19/2021	12/23/2021
37.	Pawar Srushti Jagdish	General medical	Nashik	11/10/2021	11/20/2021
38.	Pingale Pratiksha Balasaheb	Om medical and general store	Nashik	11/13/2021	11/17/2021
39.	Rathod Nandini Suresh	Prabhat medical and general stores	Chalisingaon	11/15/2021	11/27/2021
40.	Salunke Saurabh Sunil	Janai medical	Nashik	11/20/2021	11/29/2021

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41.	Sansare Divya Gangadhar	-	-	-	-
42.	Sathe Dhammapal Annasaheb	Medical and General store	Nashik	11/15/2021	11/25/2021
43.	Shah Romil Ratnapal	Jagant medical and general stores	Nashik	11/11/2021	11/20/2021
44.	Shaikh Afifa Khanam Wiqar Ahmed				
45.	Shaikh Faizan Naushad	Radesham medical	Nashik	11/15/2021	11/25/2021
46.	Somwanshi Gayatri Rajendra				
47.	Sonar Akshay Kantilal	Om Gurudev Medicals and General stores	Ozar	11/20/2021	11/29/2021
48.	Sonawani Rajas Rahul	New Mahesh medical stores	Nashik	12/02/2021	12/12/2021
49.	Thakare Nikita Sahebrao	Rathi medical and general stores	Nashik	11/20/2021	11/29/2021
50.	Ugale Pranali Kailas	Avdut medical and general store	Nashik	11/20/2021	11/29/2021
51.	Vadakkedath Sneha Sathian	New Mahesh medical stores	Nashik	12/02/2021	12/12/2021
52.	Vanve Abhishek Anil	-	-	-	-
53.	Vanve Jivan Anil	-	-	-	-
54.	Wagh Atharva Ravindrasingh	Shree Ashirwad Medical and General Store	Chalisingaon	11/15/2021	11/25/2021
55.	Yeola Sakshi Bharat	Shree samrath medical and general stores	Nashik	11/19/2021	11/23/2021
56.	Yeola Vedant Rajesh	Shri Samarath Medicals And General Store	Nashik	11/19/2021	11/23/2021


Mr. Shubham J Khairnar
Co-ordinator




PRINCIPAL
MET's Institute of Pharmacy
Adgaon, Nashik-3.

Principal
Dr. Sanjay J. Kshirsagar

A BRIEF GUIDE TO

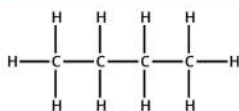
• TYPES OF ISOMERISM IN ORGANIC CHEMISTRY •

A GUIDE TO THE FIVE MAIN TYPES OF ISOMERISM THAT CAN BE EXHIBITED BY ORGANIC COMPOUNDS

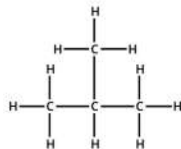
AN ISOMER OF A MOLECULE IS A MOLECULE WITH THE SAME MOLECULAR FORMULA BUT A DIFFERENT STRUCTURAL OR SPATIAL ARRANGEMENT OF ATOMS. THIS VARIATION CAN LEAD TO A DIFFERENCE IN PHYSICAL OR CHEMICAL PROPERTIES.

STRUCTURAL ISOMERISM

CHAIN



BUTANE

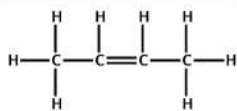


2-METHYL PROPANE

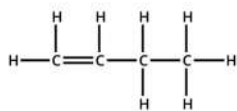
DIFFERENT ARRANGEMENT OF A MOLECULE'S CARBON SKELETON

The positions of the carbon atoms in the molecule can be rearranged to give 'branched' carbon chains coming off the main chain. The name of the molecule changes to reflect this, but the molecular formula is still the same.

POSITION



BUT-2-ENE

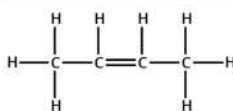


BUT-1-ENE

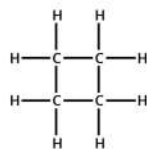
THE DIFFERING POSITION OF THE SAME FUNCTIONAL GROUP IN THE MOLECULE

The molecular formula remains the same; the type of functional group also remains the same, but its position in the molecule changes. The name of the molecule changes to reflect the new position of the functional group.

FUNCTIONAL



BUT-2-ENE



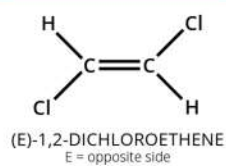
CYCLOBUTANE

DIFFERING POSITIONS OF ATOMS GIVE A DIFFERENT FUNCTIONAL GROUP

Also referred to as functional group isomerism, these isomers have the same molecular formula but the atoms are rearranged to give a different functional group. The name of the molecule changes to reflect the new functional group.

STEREISOMERISM

GEOMETRIC



(E)-1,2-DICHLOROETHENE
E = opposite side

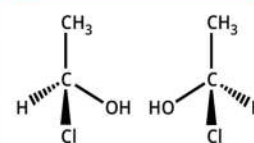


(Z)-1,2-DICHLOROETHENE
Z = same side

DIFFERENT SUBSTITUENTS AROUND A BOND WITH RESTRICTED ROTATION

Commonly exhibited by alkenes, the presence of two different substituents on both carbon atoms at either end of the double bond can give rise to two different, non-superimposable isomers due to the restricted rotation of the bond.

OPTICAL



L: (S)-1-CHLOROETHANOL
R: (R)-1-CHLOROETHANOL



NON-SUPERIMPOSABLE MIRROR IMAGES OF THE SAME MOLECULE

Optical isomers differ by the placement of different substituents, around one or more atoms in a molecule. Different arrangements of these substituents can be impossible to superimpose - these are optical isomers.

Weight variation

The I.P. has provided limits for the average weight of uncoated compressed tablets

I.P	Average weight (mg) USP	% difference
Less than 85	130 mg or less	10
85-324	>130 mg but <324 mg	7.5
324 or more	324 mg (or) more	5

Carr's Index & Hausner's Ratio:

Compressibility Index (%)	Flow character	Hausner ratio
10	Excellent	1.00-1.11
11-15	Good	1.12-1.18
16-20	Fair-aid not needed	1.19-1.25
21-25	Passable-may hang up	1.26-1.34
26-31	Poor-must agitate, vibrate	1.35-1.45
32-37	Very poor	1.46-1.59
>38	Very, very poor	>1.60

Standards for Tablets:-

IP	BP	USP
Content of Active Ingredient	Content of Active Ingredient	Content of Active Ingredient
Uniformity of weight	Uniformity of weight	Weight Variation
Uniformity of Content	Uniformity of Content	Uniformity of Content
DT	DT	DT
Dissolution	Dissolution	Dissolution

DISSOLUTION:

Types of Dissolution Apparatus:

Type of Apparatus	I.P	B.P	E.P	USP
TYPE-1	Paddle apparatus	Basket apparatus	Paddle apparatus	Basket apparatus
TYPE-2	Basket apparatus	Paddle apparatus	Basket apparatus	Paddle apparatus
TYPE-3		Flow through cell apparatus	Flow through cell apparatus	Reciprocating cylinder type apparatus
TYPE-4				Flow through cell apparatus
TYPE-5				Paddle over disc
TYPE-6				Rotating cylinder type
TYPE-7				Reciprocating type of apparatus

DISSOLUTION DETERMINATION

- USP apparatus I (basket) at 100 rpm or USP apparatus II (paddle) at 50 rpm.
- Dissolution media (900 ml): 0.1 N HCl or simulated gastric fluid, pH 4.5 buffer, and pH 6.8 buffer or simulated intestinal fluid.
- Compare dissolution profiles of test and reference products using a similarity factor (f_2).

Types of Tablet:

IP	BP	USP
Uncoated	Uncoated	Compressed/molded
Film Coated	Coated	Plain Coated
Enteric Coated	Gastro Resistant (Enteric Coated)	Delayed Release
Dispersible Tablet	Dispersible Tablet	Dispersible Tablet
Modified Release Tablet	Modified Release Tablet	Extended Release Tablet
Soluble Tablet	Soluble Tablet	Soluble Tablet
Effervescent Tablet	Effervescent Tablet	Effervescent Tablet
For use in mouth (Chewable, Lozenges, Sublingual)	For use in mouth (Chewable, Lozenges, Sublingual)	Chewable/Buccal, Sublingual
Orodispersible	Orodispersible	Orodispersible

Disintegration:

Type of Tablets	Disintegration Time	Disintegration Media
Uncoated Tablets	15 min	Water
Soluble Tablets	3 min	Water
Dispersible Tablets	5 min	Water
Effervescent Tablets	5 min	Water
Sugar Coated Tablets	60 min	Water / 0.1 M Hcl
Film Coated Tablets	30 min	Water
Enteric Coated Tablets	120 min	Water / 0.1 M Hcl

EVALUATION OF POWDERS Angle of Repose:

Flow property	Angle of repose (degrees)
Excellent	25-30
Good	31-35
Fair-aid not needed	36-40
Passable-may hang up	41-45
Poor-must agitate, vibrate	46-55
Very poor	56-65
Very, very poor	>66

Weight Variation Limits:-

IP/BP	Limit	USP
80 mg or less	10%	130mg or less
More than 80mg or Less than 250mg	7.5%	130mg to 324mg
250mg or more	5%	More than 324mg

Uniformity of Content or Content Uniformity:

Applicable for tablet containing

IP	BP	USP
Active less than 10mg or 10%,	Active less than 2 mg or 2%,	Active less than 25mg or 25%.

Guest Lecture on

Motivational session by successful innovator

➤ **Resource Person:** Mr. PurushottamMalode.

➤ **Day and Date :**

Date: Jan 21, 2022,Day: Friday

Time: 11.30 am- 1.00 pm

➤ **Link to join :**<https://www.youtube.com/watch?v=KXV0H4o-QK8>

➤ **Link for Social Mediashared:**<https://www.youtube.com/watch?v=KXV0H4o-QK8>

➤ **Participants Details**

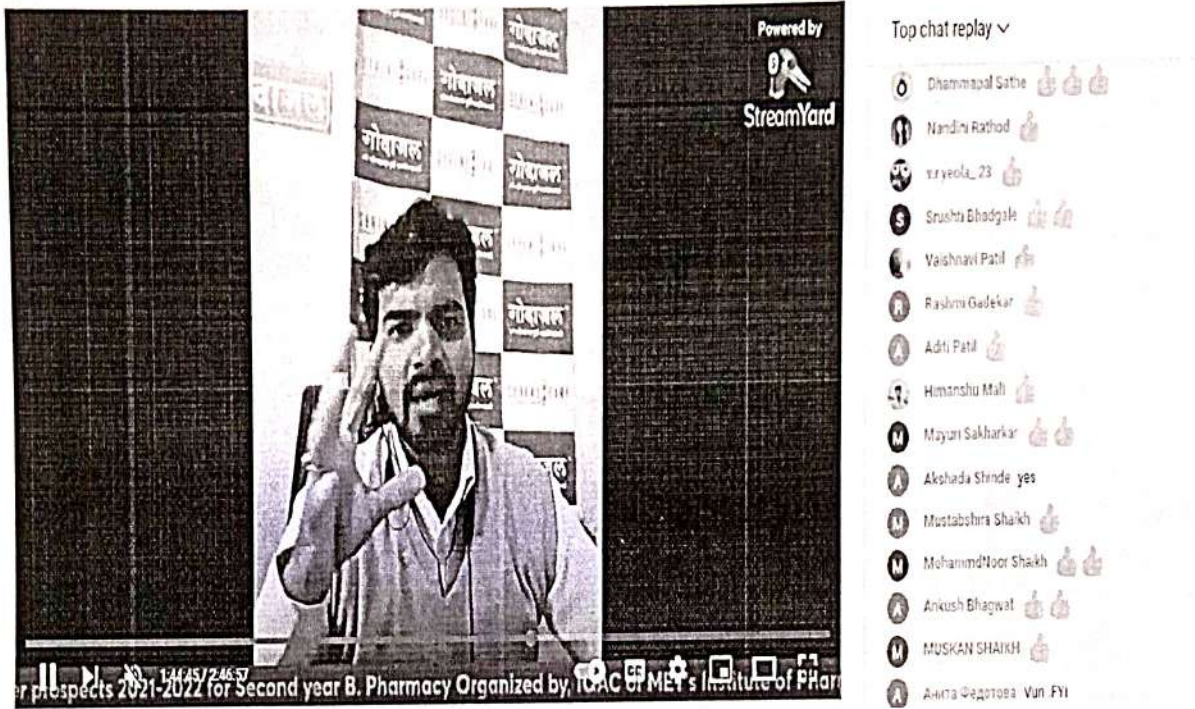
Total no. of students : Number of Participant: 132

Total no of Faculties:06

➤ **Brief summary:**

Mr. PurushottamMalode discussed mainly about the innovation to enterprise journey with his own experience, he gracefully guided for why and how to go for business and explained why it is a better option to choose than any others by sharing his own startup experience of Gangajal company's startup. He also shared advantages of being an entrepreneur and he also resolved lots of misconception and problems regards entrepreneurship such as family support, infrastructure, financial support etc He shared his experience, covered important points with the students like how to scale up innovation, marketing strategies required for business, time management with suggestion of start working with small ideas. By hearing out the experience of PurushottamMalode sir as a successful innovator 'Hard work and sincere efforts always holds successful business' these words came true at the last of the session

➤ Photo Gallery:



Dr. Rani S. Kankate
IIC Convener, MET's Institute of
Pharmacy, Bhujbal Knowledge City, Nashik.



Dr. Sanjay J. Kshirsagar
Principal, IIC President, MET's Institute of
Pharmacy, Bhujbal Knowledge City, Nashik.

Guest Lecture on
Entrepreneurship Skill, Attitude and Behavioral Development

Details of The Resource Person: Mr. Sunil Chandak,

President & Director,

Udyogwardhini, Nashik.

Day and Date : Friday, 25/02/2022

Link to join : Offline Session

Link for Social Media shared :

<https://www.facebook.com/101408854942632/posts/498605868556260/?sfnsn=wiwspmo>

Participants Details

Total no. of students : 113

Total no of Faculties: 02

Objectives: The Session was organized with the objective to develop entrepreneurial cultural within students.

Key Outcome of the Activity: After the session students were able to acknowledge the need to think about entrepreneurship as a career path.

Curriculum Gap Fulfilled: Students were sensitized with the role of current curricular pattern in identifying the current market problems and suitable solution for the same.

Key Highlights of the Lecture: Session of Mr. Sunil Chandak on topic Entrepreneurship Skill, Attitude and Behavioral Development was organized. Total of 113 students attended the session. During the session various points such as what is entrepreneurship?, what skills entrepreneur requires to develop, behavioral skills of successful entrepreneur were discussed. Students gave enthusiastic response to various questions asked by the speaker. The session was concluded with encouraging students to adopt entrepreneurship as a career.



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(PRINCIPAL)

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Adgaon, Washik-3.

Guest Lecture on
Story of a Successful Entrepreneur / Startup Founder

Details of The Resource Person: Mr. Mahesh Core,

Founder,

Innovation Driven Society, Solapur.

Day and Date : Friday, 25/02/2022

Link to join : <https://meet.google.com/rpx-aprg-uwk>

Link for Social Media shared :

<https://www.facebook.com/101408854942632/posts/498605868556260/?sfnsn=wiwspmo>

Participants Details

Total no. of students : 76

Total no of Faculties: 02

Objectives: The Session was organized with the objective to sensitize students with the real process of developing of Idea into a successful Business..

Key Outcome of the Activity: After the session students will able to understand the process of converting Idea into a Product and the Product into a successful business.

Curriculum Gap Fulfilled: Students were sensitized with the role of current curricular syllabus into developing a product and also a successful business model.

Key Highlights of the Lecture: Session of Mr. Mahesh Kore on topic Story of a Successful Entrepreneur / Startup Founder was organized through online mode. Total of 76 students attended the session. During the session various stages of a startup, problems faced during setting up a business. Various government regulations and schemes for fund raising, etc. were discussed. Also major emphasis was given on the importance of curricular competitions into developing a product and business. An example of current product of the firm was also discussed. The session was concluded with encouraging students to engage themselves into various business setup activities, and convert their ideas to business.



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Guest Lecture on
Achieving Problem-Solution Fit and Market fit Product

Details of The Resource Person: Ms. Saniya N. Bhalerao,

Assistant Professor,

MET's Institute of Pharmacy, Nashik.

Day and Date : Friday, 25/02/2022

Link to join : Offline Session

Link for Social Media shared :

<https://www.facebook.com/101408854942632/posts/498605868556260/?sfnsn=wiwspmo>

Participants Details

Total no. of students : 99

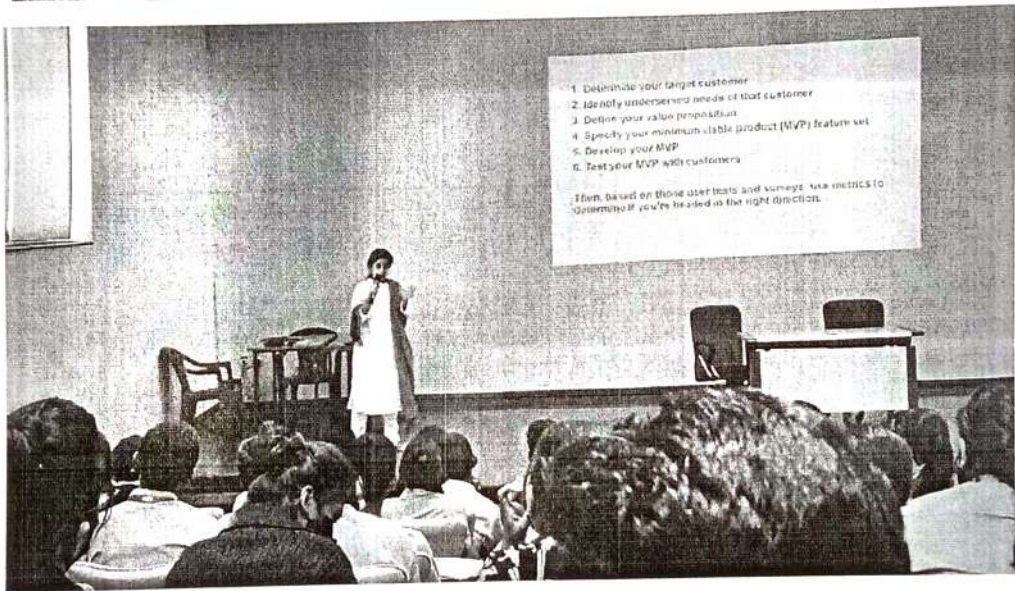
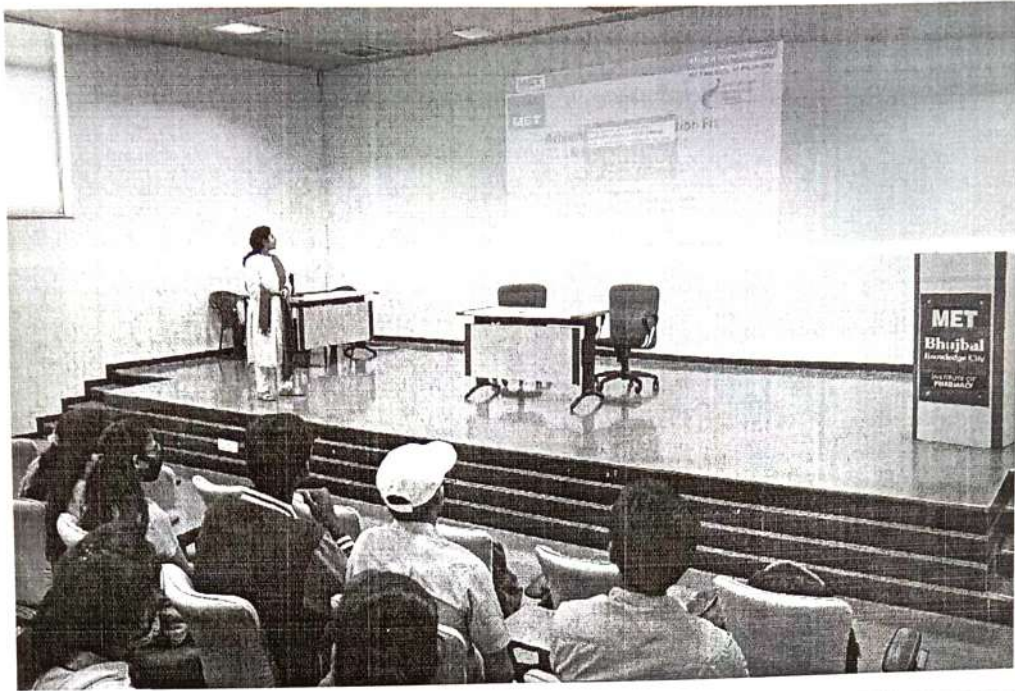
Total no of Faculties: 04

Objectives: The Session was organized with the objective to direct students thinking process in identifying the problem in the society and design various solution and market fit products regarding the same.

Key Outcome of the Activity: After the session students will able to understand the process of problem identification and designing various possible solutions for the same.

Curriculum Gap Fulfilled: Students were sensitized with the role of current curricular pattern in identifying the current market problems and suitable solution for the same.

Key Highlights of the Lecture: Session of Ms. Saniya Bhalerao on topic Achieving Problem-Solution Fit and Market fit Product was organized. Total of 99 students attended the session. During the session various points such as problem identification, categorization of problem, identifying the probable solutions, need of market for the solution, etc. were discussed. Various examples of current products giving solutions to day to day life process were also discussed. The session was concluded with encouraging students to adopt to the vision and thinking process to identify the problem encountered during the daily activities.



1. Determine your target customer
 2. Identify underserved needs of that customer
 3. Define your value proposition
 4. Specify your minimum viable product (MVP) feature set
 5. Develop your MVP
 6. Test your MVP with customers
- If, based on those user tests and surveys, the metrics to determine if you're headed in the right direction.



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								Grand Total	41300.00
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Topic Tracking Form (2021-22)

Name of the faculty Member: Dr. D. D. Rishipathak.

Class: F.Y.B.Pharm Sem: II Subject: Pharma. organic chem-I

Name of the topic: elimination reactions & electrophilic addition to alkenes.

To be filled by Students: (Tick the appropriate box)

- | | | |
|--|---|--|
| 1. Whether the summary of the topic is received? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| 2. The points/subpoints are understood? | <input checked="" type="checkbox"/> Excellent | <input type="checkbox"/> Good |
| 3. Whether the applications are discussed? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| 4. Whether the notes are provided? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| 5. Whether the question banks are provided? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| 6. Whether the assignment/class tests are conducted? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| 7. Whether GPAT related topic / MCQ discussed | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| 8. Repetition required? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |

If Yes, which points: _____

Ghorgane

Students' Representative Sign

Instructions for students:

1. The form is to be filled in duplicate within two days after the completion of the topic.
2. Students have to discuss among themselves while filling the form.
3. The Filled form is to be submitted in the Drop box provided for it

Bhujbal Knowledge City, MET's Institute of Pharmacy

Topic Tracking Form (2021-22)

Name of the faculty Member: Mr. Rakesh U. Shelke

Class: First Year B. Pharmacy Division: A

Subject: Biochemistry

Name of the topic: Nucleic acid and its metabolism

To be filled by Students: (Tick the appropriate box)

- 1. Whether the summary of the topic is received? Yes No
- 2. The points/subpoints are understood? Excellent Good No
- 3. Whether the applications are discussed? Yes No
- 4. Whether the notes are provided? Yes No
- 5. Whether the question banks are provided? Yes No
- 6. Whether the assignment/class tests are conducted? Yes No
- 7. Whether GPAT related topic / MCQ discussed? Yes No
- 8. Repetition required? Yes No

If Yes, which points: _____

(Signature)
(Signature)
(Signature)
Students' Representative Sign

Instructions for students:

- 1. The form is to be filled in duplicate within two days after the completion of the topic.
- 2. Students have to discuss among themselves while filling the form.
- 3. The Filled form is to be submitted in the Drop box provided for it

Topic Tracking Form (2021-22)

Name of the faculty Member: Mr. Rahul R.Sable

Class: First Year B. Pharmacy **Division:** A **Subject:** Human Anatomy & Physiology - II

Name of the topic: Unit -4 - Endocrine system

To be filled by Students: (Tick the appropriate box)

- | | | |
|--|---|--|
| 1. Whether the summary of the topic is received? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| 2. The points/subpoints are understood? | <input checked="" type="checkbox"/> Excellent | <input type="checkbox"/> Good |
| 3. Whether the applications are discussed? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| 4. Whether the notes are provided? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| 5. Whether the question banks are provided? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| 6. Whether the assignment/class tests are conducted? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| 7. Whether GPAT related topic / MCQ discussed | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| 8. Repetition required? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |

If Yes, which points: _____


Students' Representative Sign

Instructions for students:

1. The form is to be filled in duplicate within two days after the completion of the topic.
2. Students have to discuss among themselves while filling the form.
3. The Filled form is to be submitted in the Drop box provided for it

Academic Year 2021-22

Name of Faculty: Umesh Laddha/Smita Kakad

Name of subject: Physical Pharmaceutics-I

Pattern: 2019

Class : SY

Semester: III

Title of the Experiment	Instrument/Equipment Set up Available	Skills acquired (Highlight the Basic skills)
Determination the solubility of drug at room temperature Determination of thermodynamic parameters using solubility studies.	Hot plate	To prepare the saturated solution To calculate solubility
Determination of pKa value by Half Neutralization/ Henderson Hasselbalch equation	pH meter	To handle the pH meter To perform titration accurately
Determination of Partition co- efficient of benzoic acid in benzene and water Determination of Partition co- efficient of Iodine in CCl ₄ and water	Separating funnel	To handle immiscible systems To prepare different concentration To perform titration
Determination of % composition of NaCl in a solution using phenol-water system by CST metho	Hard glass test-tubes	To handle the binary systems To develop the linearity curve To determine unknown concentration
Determination of surface tension of given liquids by drop count and drop weight method Determination of critical micellar concentration of surfactants	Stalagmometer	To determine surface tension of any unknown sample by correlating with standard

Academic Year 2021-2022

Name of Faculty: Dr. D. S. Bhambere

Name of subject: Pharm. Microbiology

Pattern: 2019

Class : Second Year

Semester: III

Title of the Experiment	Instrument/Equipment Available	Set up	Skills acquired (Highlight the Basic skills)
Study of laboratory equipment	Autoclave, Incubator, Hot Air Oven, Colony counter		Use of Autoclave, Incubator, Hot Air Oven, Colony counter in Microbiology, Autoclave cycle, Differentiate in Use of Incubator, Hot Air Oven
Different techniques of Inoculation of cultures	Aseptic Area		Study of Streak plate, spread plate, serial dilution techniques Use of Aseptic condition while transferring culture
Staining methods	Microscope		Use of Microscope
Sterilization	Hot Air oven, Autoclave		Temperature and pressure adjustment, sterility testing of pharmaceutical products importance and implementation of sterilization in pharmaceutical processing and industry