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LIST OF COURSES FOR THE A. Y 2021-22

S. No	Name of the course	
1	Pharmacist: Patient Care process (PPCP)	
2	Machine learning & AI in Computer Aid Drug Design (CADD)	
3	Bio-mimetric Drug Delivery Systems: Nature-Inspired Solutions	
4	Foundations of Molecular Docking in drug Discovery: A comprehensive Certificate Program	
5	Pharmaceutical Analysis for Clinical Trials	
6	Biopharmaceutical Quality Assurance & Validation	
7	NPTEL	

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"Pharmacist: Patient Care process (PPCP)"



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SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA (Sponsored by the Exhibition Society), Tamaka, Secunderabad Affiliated to Osmania University, Approved by AICTE & PCI ISO 9001: 2015 Certified Institution, NBA Accredited B. Pharmacy Course

Date: 28/7/2021

CIRCULAR

This is to inform that All Pharm D students may register for a Value added course on "Pharmacist: Patient Care process (PPCP)" as per the schedule given below. Hence all the students are highly encouraged to register and participate without fail.

Period of Certificate Program: August 3rd to August 21st, 2021





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Detailed Program Schedule

Name of Class: All Pharm.	Course: Pharmacist : Patient Care Process (PPCP)
Duration of Course : 15	Duration : 2 Hours
Days	Time: 3:00 PM - 5:00 PM

Dates: 3rd August to 21st August, 2021

Time: 3:00 PM - 5:00 PM Duration: 30 Hours

Number of students attended: 108

Organized by: Sarojini Naidu Vanita Pharmacy Maha Vidyalaya **Coordinator:** Mrs. S. Divya, Assistant Professor, SNVPMV.

Schedule: Pharmacist: Patient Care Process (PPCP)

Session	Date & Time	Topic Name
36331011	Date & Time	Introduction to Pharmaceutical Care Concepts
		Welcome and Program Overview
1	03/08/2021	Introduction to Pharmaceutical Care
		Role of Pharmacists in Patient Care
		Patient Assessment and Data Collection Techniques
		Patient Interview Techniques
2	04/08/2021	Medical History Documentation
		Physical Assessment Skills
		Medication Therapy Management Strategies
	05/08/2021	Pharmacotherapy Principles
3		Drug Interactions and Adverse Effects
		Medication Adherence Strategies
	06/08/2021	Communication and Counselling Skills
4		Effective Communication Strategies for Pharmacists
4		Patient counselling Techniques
		Handling Difficult Conversations
		Inter professional Collaboration and Teamwork
5	07/08/2021	Importance of Interdisciplinary Collaboration in Patient
5		Care
		 Team Dynamics and Conflict Resolution
6	09/08/2021	Case Studies and Group Discussions
		Ethical and Legal Considerations in Patient Care
7	10/08/2021	 Ethical Principles in Pharmacy Practice
		 Legal Framework for Patient Care Services
8	11/08/2021	Patient Confidentiality and Privacy Laws



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12/08/2021		Review and Application
9	9 12/08/2021	Review of Key Concepts and Learning Outcomes
10	10 12/00/2024	Case-Based Learning: Applying Patient Care Process in Practice
10	13/08/2021	Q&A and Discussion Forum
11	16/08/2021	Assessment and Evaluation
11	10/08/2021	Quiz on Program Content
12	47/00/2024	Assignment Presentation: Case Study Analysis
12	17/08/2021	Final Examination
12	12 10/00/2024	Feedback and Wrap-Up
13	18/08/2021	Participant Feedback Survey
14	19/08/2021	Certificate Distribution Ceremony
15	21/08/2021	Closing Remarks and Acknowledgments

Course outcomes:

After completion of this course, learners can

- 1. Understand the pharmacist patient care process including assessment, diagnosis, care plan development, implementation and monitoring.
- 2. Conduct Patient Assessments including medical history, medications, and relevant laboratory data, to identify drug-related problems and patient specific needs
- 3. Perform Medication Therapy Management(MTM) to optimize drug therapy outcomes, including identifying, resolving and preventing medication related problems
- 4. Implement Patient- Centered Interventions communicate pharmaceutical care interventions effectively collaborating with other health care professionals to optimize patient outcomes
- 5. Monitor and Evaluate Patient Responses to drug therapy, assess therapeutic and adverse effects, and adjust care plans as needed to ensure optimal outcomes
- 6. Promote Medication Adherence including patient education, counseling, and addressing barriers to adherence
- 7. Stay Current With Evidence-Based Practice principles to stay informed about the latest developments in pharmacotherapy, ensuring the delivery of up to date and high quality patient care.

Value Added Course Report

Title: "Pharmacist: Patient Care Process (PPCP)"

Academic Year 2021-2022

Dates: August 3rd to August 21st, 2021

Time: 3:00 PM - 5:00 PM Duration: 30 Hours

Number of students attended: 108

Organized by: Sarojini Naidu Vanita Pharmacy Maha Vidyalaya Coordinator: Ms S. Divya, Assistant Professor, SNVPMV.

Speakers:

Dr. T. Venu, Professor, SNVPMV.

Dr V Santhoshini, Assistant Professor, SNVPMV.

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Mrs. B. Hymavathi, Assistant professor, SNVPMV.

Mrs. M. Harini, Assistant Professor, SNVPMV.

Introduction

The 30-hour Value added programme on the Pharmacist Patient Care Process, held at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya from August 3 to August 21, 2021, was a resounding success. The program aimed to enhance the knowledge and skills of 80 participating students, equipping them with the latest advancements in patient care within the pharmaceutical domain.

Program Objectives

The program was designed with the following key objectives:

- To provide a comprehensive understanding of the Pharmacist Patient Care Process.
- To develop practical skills in patient assessment, medication management, and counseling

Program Overview

The program comprised ten sessions, each lasting 3 hours, and covered various aspects of Pharmacist patient care process, catering to the needs of professionals seeking to explore Pharmacist patient care process potential in revolutionizing the sector.

Key Session Highlights

Session 1: Introduction to Pharmacist patient care process

The program commenced with a series of in-depth lectures covering the foundational concepts of the Pharmacist Patient Care Process. Participants gained insights into patient assessment, medication therapy management, and communication skills.

Session 2: Practical workshops provided participants with hands-on experience in applying the learned concepts. Simulated scenarios allowed students to practice patient interactions, medication reviews, and collaborative decision-making.

Session 3: Case Studies and Discussions

Engaging case studies and group discussions were conducted to encourage critical thinking and problem-solving. Real-life scenarios were analysed, and participants actively shared their perspectives, fostering a collaborative learning environment.

Session 4: Certificate Examination

The session explored A comprehensive certification examination was conducted at the end of the program to assess participants' understanding and application of the Pharmacist Patient Care Process. Successful participants were awarded a 30-hour Value added.

Conclusion

The 30-hour certificate programme on the Pharmacist Patient Care Process at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya proved to be a valuable educational experience for the 108



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participating students. The program successfully equipped them with the knowledge and skills necessary to excel in patient care within the pharmaceutical field. The positive feedback received indicates the effectiveness of the program in meeting its objectives.

This initiative by Sarojini Naidu Vanita Pharmacy Maha Vidyalaya contributes significantly to the continuous professional development of pharmacy students, ensuring they are well-prepared for the challenges and responsibilities in the evolving landscape of healthcare.

The program's success can be attributed to the dedicated instructors, comprehensive curriculum, and interactive sessions that facilitated an engaging learning environment, encouraging active participation and knowledge exchange. This report aims to encapsulate the essence and success of the program, shedding light on the "Pharmacist Patient Care Process".

We extend our gratitude to all participants, faculty members, and the organizing committee for their contributions to making this program a success.









Program Organizer:

SNVPMV,

Department of Pharm D

Date: 22/08/2021.



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"Machine learning & AI in Computer Aided Drug Design (CADD)"



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SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA

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Date: 15/09/2021

Circular

This is to inform all the B.Pharmacy IV Year Students have a Value-added course on "Machine Learning and AI in Computer-Aided Drug Design (CADD)." as per the schedule given below.. Certificates will be issued to all the participants with satisfactory attendance. Hence all the students were informed to attend the program without fail.

Total Hours: 33 Hours

Venue: Seminar Hall /SNVPMV

Daily Timing:

Daily Timing 21st October to 5th November 2021

21stto28th October-Time 3.00 pm to 5.00pm:

29th to 5th November 2.30pm to 5.30pm

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Detailed Program Schedule

Molecular Descriptors Demystified: Tools for Drug Discovery

Duration: 21st October to 5th November 2021 **Participants**: 54 Students (B. Pharm IV Year)

Organized By: Sarojini Naidu Vanita Pharmacy Maha Vidyalaya

Speakers: Dr. T. Sarita Jyostna

Professor, SNVPMV Dr. S. Hemalatha Professor, SNVPMV Mr. Depankar Bowmik Mrs.Muni Sirisha

Assistant Professor, SNVPM

Schedule:

Session	Date	Topic Name
1	21/10 2021	Introduction to Molecular Descriptors
2	21/10 2021	About Molecular Descriptors
3	22/10 2021	Basic Principles of Drug Discovery
4	23/10 2021	Quantitative Structure-Activity Relationships (QSAR)
5	25/10 2021	Case Studies in QSAR
6	26/10 2021	Workshop: Applying QSAR in Drug Discovery
7	27/10 2021	Molecular Docking and Drug Target Interaction
8	28/10 2021	In Silico ADME/Tox Prediction
9	29/10 2021	Computational Tools for Descriptor Analysis(3hrs)
10	30/10 2021	In Silico ADME/Tox Prediction (3hrs)
11	01-11-2021	In Silico ADME/Tox Prediction (3hrs)
12	02-11-2023	Practical Exercise: Insilico ADME Software's to predict ADME (3hrs)
13	03-11-2023	Practical Exercise: Molecular Docking (3hrs)
14	05-11-2023	Practical Exercise: Molecular Docking (1.5hr)
15	05-11-2023	Practical Exercise: Independent Study and Assignments and students feedback quiz 1.5hr)

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Course Outcomes:

Upon successful completion of the "Molecular Descriptors Demystified: Tools for Drug Discovery" course, participants will be able to:

Understand the Fundamentals of Molecular Descriptors: Grasp the concept of molecular descriptors and their significance in chem. informatics and drug discovery. Identify the different types of molecular descriptors, including 1D, 2D, and 3D descriptors, and understand their applications.

Generate and Analyze Molecular Descriptors: Utilize various chem. informatics software and tools to calculate molecular descriptors. Analyze and interpret the significance of computed descriptors in the context of chemical and biological activities.

Apply Descriptors in QSAR Model Building: Integrate molecular descriptors into Quantitative Structure-Activity Relationship (QSAR) models.

Understand the process of selecting appropriate descriptors for creating robust and predictive QSAR models.

Enhance Drug Discovery Processes:

Apply knowledge of molecular descriptors in various stages of the drug discovery process, including hit identification, lead optimization, and prediction of drug-likeness properties.

Use descriptors to predict ADME (Absorption, Distribution, Metabolism, and Excretion) properties and toxicity, facilitating the design of safer and more effective drug candidates.

Critically Evaluate and Validate QSAR Models: Assess the quality and predictivity of QSAR models using molecular descriptors. Understand the principles of model validation, including internal and external validation techniques.

Relevance to Drug Discovery:

The ability to accurately describe and predict the properties of molecular compounds is crucial in the pharmaceutical industry. Molecular descriptors serve as the foundation for computer-aided drug design (CADD), enabling more efficient and targeted drug discovery processes. By equipping participants with the knowledge and skills to employ molecular descriptors effectively, this course facilitates the advancement of novel therapeutics from concept to clinic, contributing to the future of personalized medicine and healthcare.

Value added Course Report

Program Name: Molecular Descriptors Demystified: Tools for Drug Discovery

Duration: 21st October to 5th November 2021

Time: 3:00 PM - 5:00 PM

Duration: 34Hours

Organized By: Sarojini Naidu Vanita Pharmacy Maha Vidyalaya

PRINCIPAL

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Participants: 54 Students (B. Pharmacy and M. Pharmacy)

Speakers: Dr. T. Sarita Jyostna

Professor, SNVPMV
Dr. S .Hemalatha
Professor, SNVPMV
Mr. Depankar Bowmik
Mrs.Muni Sirisha
Assistant Professor, SNVPM

The 34-hour Value added Program, "Molecular Descriptors Demystified: Tools for Drug Discovery," Conducted from 21st October to 5th November 2021, witnessed active participation from 54 students enrolled from B. Pharmacy IV Year. This program, was organized by Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, was designed to unravel the intricacies of molecular descriptors and their pivotal role in modern drug discovery.

Objectives:

- Deconstructing Molecular Descriptors: The program aimed to demystify the concept of molecular descriptors, providing participants with a clear understanding of their significance in drug development.
- 2. Hands-on Application: Practical sessions were incorporated to enable participants to apply theoretical knowledge using cutting-edge tools and software.
- 3. Empowering Future Drug Developers: The program intended to equip students with the skills and knowledge necessary for a successful career in pharmaceutical research.
- 4. Diverse Curriculum: The program offered a comprehensive curriculum, covering a wide range of molecular descriptors and their applications in drug discovery.
- 5. Expert-Led Workshops: Eminent speakers and industry experts led engaging workshops, allowing participants to gain practical insights and refine their analytical skills.
- 6. Collaborative Learning: Interactive discussions and group activities fostered a collaborative learning environment, enabling participants to exchange ideas and perspectives.
- 7. Practical Software Training: Participants received hands-on training on state-of-the-art software used in molecular descriptor analysis, enhancing their technical proficiency.

Participant Feedback:

Feedback from participants was overwhelmingly positive, highlighting the relevance and applicability of the program content. Many praised the expertise of the faculty and the hands-on approach to learning.

Impact and Future Endeavors:

The program significantly enriched the participants' understanding of molecular descriptors and their critical role in drug discovery. The knowledge gained will undoubtedly contribute to their academic and professional success in the pharmaceutical field.



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Given the success of this program, Sarojini Naidu Vanita Pharmacy Maha Vidyalaya is committed to organizing similar events in the future, with the aim of continuously advancing the knowledge and skills of students in the field of pharmaceutical sciences.

Conclusion:

The 34-hour Value added program on "Molecular Descriptors Demystified: Tools for Drug Discovery" exemplifies the dedication of Sarojini Naidu Vanita Pharmacy Maha Vidyalaya in providing high-quality education and professional development opportunities. The active participation of 54 students and their positive feedback reaffirms the program's effectiveness in achieving its objectives.





Program Organizer:

SNVPMV.

Department of Pharmaceutical Chemistry

Date: 5/11/2021.

PRINCIPAL

T. Carityosh

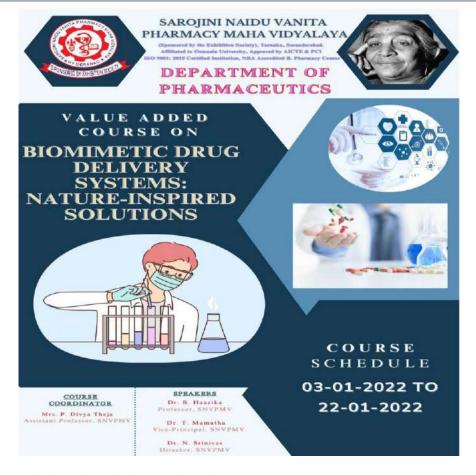


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"Bio mimetic Drug Delivery Systems: Nature-Inspired Solutions"

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DATE: 28.12.2021

CIRCULAR

This is to inform M. Pharmacy I Year (Pharmaceutics & Quality Assurance), B.Pharmacy IV Year and B. Pharm I Year students have value added course on "Biomimetic Drug Delivery Systems: Nature-Inspired Solutions" as per the schedule given below. Hence all the students informed to attend the programme without fail.

3rd January to 22rd January, 2022



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Detailed Program Schedule

Name of Class: M. Pharmacy
I Year (Ph.Ceutics & QA), B.
Pharmacy IV Year and
B.Pharm I Year

Duration of Course: 15
Days/30 Hrs

Course: Biomimetic Drug
Delivery Systems:
Nature-Inspired
Solutions

Duration: 3rd January to
22nd January, 2022
Timings: 3 P.M to 5 P.M

Dates: 3rd January to 22nd January, 2022

Time: 3:00 PM - 5:00 PM Duration: 30 Hours

Number of students attended: 126

Organized by: Sarojini Naidu Vanita Pharmacy Maha Vidyalaya

Coordinator: Mrs. P. Divya Teja, Assistant Professor, Department of Pharmaceutics.

Schedule: Biomimetic Drug Delivery Systems: Nature-Inspired Solutions

Session	Date	Topic Name
1	03-01-2022	Introduction to Biomimetic Drug Delivery
		Overview of biomimetic drug delivery
_		systems
		Importance of nature-inspired solutions
		Biomimetic Design Principles
2	04-01-2022	Biomimicry in drug delivery
		Key design principles
		Nature as Inspiration
3		Learning from nature: examples from the
3		natural world
	05-01-2022	Biomimetic drug delivery in history
		Ethical and Regulatory Considerations
4	06-01-2022	Ethical and sustainability aspects of
7		biomimicry
		Regulatory guidelines and approvals
		Structural Biomimicry
5	07-01-2022	Copying natural structures
		Nanoparticles, liposomes, and more
	10-01-2022	Functional Biomimicry
6		Mimicking biological functions
		Enzymes, cell membranes, and responsive
		systems
		Biomimetic Materials
7	11-01-2022	Natural and synthetic biomaterials
		Design considerations for drug carriers
8	12-01-2022	Nature-Inspired Drug Release Mechanisms
	12 01 2022	Responsive and self-regulated systems



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		Controlled drug delivery based on biological principles
		Biomimetic Drug Delivery in Cancer
9	13-01-2022	Targeted drug delivery in oncology
	13 01 2022	Clinical successes and challenges
		Neurological Disorders and Biomimicry
10	17-01-2022	Brain-targeted drug delivery
10	17 01 2022	Innovations in neurology
		Infectious Disease Solutions
11	18-01-2022	Biomimetic approaches to vaccine delivery
		Addressing global health challenges
		Personalized Medicine and Biomimetic
_	19-01-2022	Delivery
12		Tailoring drug delivery to individual needs
		Advancements in patient-centric care
		Emerging Technologies and Innovations
42	20-01-2022	Upcoming trends in biomimetic drug
13		delivery
		Potential innovations in the field
		Final Project
14		Field Work
	21-01-2022	Course participants work on individual or
		group projects
		Preparation of final presentations
		Course Assessment
15	22-01-2022	Presentation of final projects
		Certification

Course outcomes:

After completion of this course, learners can

- 1. Gain a comprehensive understanding of biomimicry principles and how they can be applied to drug delivery systems.
- 2. Explore the fundamental concepts of mimicking nature's solutions for efficient and targeted drug delivery.
- 3. Acquire in-depth knowledge of various biological systems and processes that can serve as inspiration for drug delivery system design.
- 4. Study the intricate details of biological structures and functions that can be mimicked to enhance drug delivery efficiency.
- 5. Learn about the integration of nanotechnology in biomimetic drug delivery systems.
- 6. Understand how nanoparticles and nanocarriers can mimic biological entities for targeted and controlled drug release.



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Value Added Course Report

Title: "Biomimetic Drug Delivery Systems: Nature-Inspired Solutions"

Duration: 30 Hours

Dates: 3rd January to 22nd January, 2022.

Time: 3:00 PM - 5:00 PM

Number of students attended: 46

Coordinator: Mrs. P. Divya Teja, Department of Pharmaceutics. **Introduction**: Dr.B.Haarika, Professor, SNVPMV, Hyderabad

The 30-hour Value added Programme on "Biomimetic Drug Delivery Systems: Nature-Inspired Solutions" was conducted from 3-1-2022 to 22-1-2022. The program aimed to provide participants with comprehensive insights into Biomimetic Drug Delivery Systems in the pharmaceutical industry. Sessions were held daily, from 3:00 PM to 5:00 PM, covering various topics related to Biomimetic Drug Delivery Systems.

Program Highlights:

Session 1: Introduction to Biomimetic Drug Delivery

Speaker Name: Dr. T. Mamatha, Vice-Principal, SNVPMV, Hyderabad.

Biomimetic drug delivery systems leverage principles observed in biological entities to design carriers that mimic the behavior of cells, tissues, or organisms. These systems often incorporate nanotechnology, allowing for precise control over the release kinetics of drugs. Examples include liposomes imitating cell membranes, nanoparticles mimicking cellular structures, or even synthetic systems replicating the functions of specific organs.

Session 2: Biomimetic Design Principles

Speaker Name: Dr.B.Haarika, Professor, SNVPMV, Hyderabad

Biomimetic drug delivery is an innovative approach that draws inspiration from nature to design and develop delivery systems for pharmaceutical compounds. Nature has evolved intricate and efficient mechanisms for transporting molecules within living organisms, and biomimetic drug delivery seeks to replicate or adapt these natural systems to enhance the targeted and controlled release of therapeutic agents.

Session 3: Nature as Inspiration

Speaker Name: Dr. N. Srinivas, Director, SNVPMV.

Nature serves as a model for sustainable practices, emphasizing resource efficiency and waste reduction. Designers and industries are increasingly adopting sustainable principles inspired by ecosystems, promoting circular economies and minimizing environmental impact. Innovations in materials, packaging, and energy systems often draw inspiration from the regenerative processes observed in nature.

Session 4: Biomimetic Drug Delivery in Cancer

Speaker Name: Dr. N. Srinivas, Director, SNVPMV.

Cancer remains a global health challenge, necessitating innovative approaches to enhance the efficacy of drug delivery while minimizing adverse effects. Biomimetic Drug Delivery



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Systems, drawing inspiration from nature's efficiency and precision, are poised to revolutionize cancer treatment.

Key Learning's:

Help the students to gain a comprehensive understanding of biomimicry principles and how they can be applied to drug delivery systems. Explore the fundamental concepts of mimicking nature's solutions for efficient and targeted drug delivery

Conclusion:

The 30-hour value added Programme on Biomimetic drug delivery systems represent a paradigm shift in cancer therapeutics, offering targeted, patient-centric approaches with reduced side effects. As the field progresses, the values of precision, adaptability, and enhanced efficacy will play pivotal roles in shaping the landscape of cancer treatment. Embracing biomimicry in drug delivery holds the potential to redefine the standard of care for cancer patients, ultimately contributing to improved outcomes and a higher quality of life.



Program Organizer:

SNVPMV,

Department of Pharmaceutics

Date: 24/01/2022.

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Vijayapuri Colony, S.Lalaguda, Tarnaka
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"Foundations of Molecular Docking in drug Discovery: A comprehensive Certificate Program"



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DEPARTMENT OF PHARMACEUTICAL CHEMISTRY

VALUE ADDED COURSE ON:

FOUNDATIONS OF MOLECULAR DOCKING IN DRUG DISCOVERY: A COMPRAHENSIVE CERTIFICATE PROGRAM



SPEAKERS

or, T. Saritha Jyothso. Professor, SNVPMV Associate Professor SNVPMV ssistant Professor SNVPMV Data Scientist Certum Ventures, Bangalore





COURSE COORDINATORS

Dr. S. Hemalatha Professor, SNVPMV Assistant Professor SNVPMV



COURSE SCHEDULE 03.01.22 to 22.01.22



SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA

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Date:28/12/2021

CIRCULAR

This is to inform M. Pharmacy and B. Pharmacy IV Year students have Value added Programme on "Foundations of Molecular Docking in drug Discovery" as per the schedule given below. Hence all the students informed to attend the programme without fail.

3rd January to 22nd January, 2022



PRINCIPAL
Sarolial Naldu vanita Pharmacy Maha Vidyal
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Secunderabad-500 017.





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Detailed Program Schedule

Name of Class: M.	Course: Foundations of
Pharmacy and B.	Molecular Docking in drug
Pharmacy IV Year	Discovery
Duration of Course:	Duration : 3rd January to 22nd
15 Days (2 Hours)	January, 2022
	Timings: 3 P.M to 5 P.M

Dates: 3rd January to 22nd January, 2022

Time: 3:00 PM - 5:00 PM Duration: 30 Hours

Number of students attended: 45

Organized by: Sarojini Naidu Vanita Pharmacy Maha Vidyalaya

Coordinator: Dr.S. Hemalatha, Professor, SNVPMV

Mrs. S. Muni Sireesha, Assistant Professor, Department of Pharmaceutical Chemistry,

Speakers:

1. Dr. T.Sarita Jyostna, Professor, SNVPMV,

2. Dr. K. Neelima, Associate Professor, SNVPMV

3. Mrs. K. Vinutha Asst. Professor, SNVPMV

4. Mr.Deepankar Bhowmik, Associate solution Leader

Brane Enterprises Pvt Ltd, Mrs. Muni Sirisha

Schedule: Foundations of Molecular docking in drug Discovery

Session	Date	Topic Name
		Introduction to Molecular Docking and Drug
1	03-01-2022	Discovery
		Principles of Molecular Docking Techniques
		Protein Structures and Their Role in Molecular
2	04-01-2022	Docking
		Ligand Selection and Preparation
3	05-01-2022	Software Tools for Molecular Docking
3	05-01-2022	Hands-on Session: Basic Use of Docking Software
4	06-01-2022	Advanced Techniques in Docking Software
	07-01-2022	Case Studies in Molecular Docking
5		Workshop: Application of Docking in Drug Design -
		Group Projects
6	10-01-2022	Pharmacophore Modelling and Its Integration with
0	10-01-2022	Docking
7	11-01-2022	Validation and Interpretation of Docking Results
8	12-01-2022	Challenges and Advances in Molecular Docking
9	13-01-2022	Practical Applications in Molecular Docking
10	17-01-2022	Advanced Topics in Molecular Docking: Algorithms
10		and Future Trends

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11	18-01-2022	Practical Implementation and Integration of Docking in Drug Development
12	19-01-2022	Ethical Considerations and Regulatory Aspects in Drug Discovery
13	20-01-2022	Hands-on Session
1.4	14 21-01-2022	Presentations of Group Projects
14		Field Work
15	22-01-2022	Course Assessment
15		Awarding of Certificates and Closing Ceremony

Course outcomes:

After completion of this course, learners can

- 1. Gain a comprehensive understanding of Foundations of Molecular Docking in drug
- 2. Explore the fundamental concepts of Basic Use of Docking Software
- 3. Acquire in-depth knowledge of various Pharmacophore Modelling and Its Integration with Docking .
- 4. Study the intricate details of Challenges and Advances in Molecular Docking.
- 5. Learn about the integration of Ethical Considerations and Regulatory Aspects in Drug Discovery.
- 6. Understand how Validation and Interpretation of Docking Results.

Value Added Course Report

Title: "Foundations of Molecular Docking in drug Discovery"

Duration: 30 Hours

Dates: 3rd January to 22nd January, 2022.

Time: 3:00 PM - 5:00 PM

Number of students attended: 45

Program Structure:

The program was structured meticulously over ten days, covering an array of essential

topics:

Introduction to Molecular Docking: Understanding the basics of molecular docking and its significance in drug discovery.

Tools and Software Implementation: Practical sessions on using software and tools for molecular docking analysis.

Binding Mechanisms and Algorithms: Exploring the mechanisms and algorithms involved in molecular docking for effective drug-target interactions. T. Sarityosh

> PRINCIPAL Sarojini Naidu Vanita Pharmacy Maha Vidyalaya Vijayapuri Colony, S.Lalaguda, Tarnaka

Secunderabad-500 017.



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Case Studies and Applications: Real-life case studies and applications of molecular docking in pharmaceutical research.

Hands-on Workshops: Interactive sessions allowing students to practically apply their knowledge and skills.

Faculty and Guest Speakers:

Eminent scholars and professionals in the field of pharmaceutical research, computational chemistry, and molecular biology were invited as guest speakers and faculty members. Their expertise and insights provided invaluable guidance and enriched the learning experience for all participants.

Key Highlights:

Interactive sessions and practical workshops facilitated a hands-on learning experience. Case studies and real-world examples helped students understand the practical application of theoretical knowledge.

The program encouraged networking and collaboration among students, fostering a community of aspiring researchers and professionals in the pharmaceutical field. Participants had the opportunity to interact with experts and gain insights into potential career paths within pharmaceutical research and development.

Certificates and Achievements:

Upon successful completion of the program, all participants were awarded certificates recognizing their dedication and commitment to enhancing their knowledge in molecular docking in drug discovery.

Conclusion:

The "Foundations of Molecular Docking in Drug Discovery" Value added program organized by Sarojini Naidu Vanita Pharmacy Maha Vidyalaya was a resounding success. The comprehensive curriculum, expert guidance, and enthusiastic participation of students made this program an enriching and invaluable experience for all involved.

This program not only equipped the students with foundational knowledge in molecular docking but also served as a stepping stone towards their careers in pharmaceutical research and development.

We extend our gratitude to all participants, faculty members, and the organizing committee for their contributions to making this program a success.

Foundations of Molecular Docking in drug Discovery: A comprehensive Certificate Program 2021-2022

(Sponsored by the Exhibition Society), Tarnaka, Secunderabad Affiliated to Osmania University, Approved by AICTE & PCI ISO 9001: 2015 Certified Institution, NBA Accredited B. Pharmacy Course





Program Organizer:

SNVPMV,

Department of Chemistry

Date: 23/01/2022.

T. Carityon

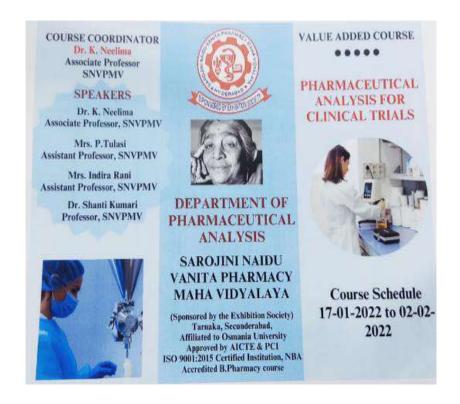


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ISO 9001: 2015 Certified Institution, NBA Accredited B. Pharmacy Course

"Pharmaceutical Analysis for Clinical Trials"



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SAROJINI NAIDU VANITA PHARMACY MAHA VIDVALAVA

(Sponsored by the Exhibition Society). Tartaka, Secunderabad Affiliated to Osmania University, Approved by AICTE & PCI 18O 9801; 2015 Certified Institution, NBA Accredited B. Pharmacy Course

Date: 10-01-2022

CIRCULAR

This is to inform that M.Pharmacy (All) & Pharm D III, IV and V Year students have Value added course on "Pharmaceutical Analysis for Clinical Trials" as per the schedule given below. Therefore, it is imperative for all students to take advantage of this opportunity and acquire the knowledge provided during the programme.

17th January 2022 to 2nd February 2022

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Secunderabad-500 017.

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Detailed Program Schedule

Name of Class: M. Pharmacy (All) Year & Pharm D III, IV, and V Year	Course: "Pharmaceutical Analysis for Clinical Trials"
Duration of Course : 15 Days	Duration : 2 Hours Time: 3:00 PM - 5:00 PM

Dates: 17th January 2022 to 2nd February 2022

Time: 3:00 PM - 5:00 PM Duration: 30 Hours

Number of students attended: 60

Organized by: Sarojini Naidu Vanita Pharmacy Maha Vidyalaya

Coordinator: Dr. K Neelima, Associate Professor, Department of Pharmaceutical Analysis

Schedule: Pharmaceutical Analysis for Clinical Trials

Session	Date	Topic Name	
	17-01-22	Regulatory requirements for pharmaceutical analysis in clinical trials	
1	18-01-22	Good laboratory practice (GLP) for pharmaceutical analysis	
1	19-01-22		
	20-01-22		
	21-01-22	Bio-analytical method development and validation	
2	22-01-22	Bio-analytical assay development and validation	
2	24-01-22		
	25-01-22		
	26-01-22	Pharmacokinetic and pharmacodynamic analysis	
3	27-01-22	Clinical trial sample analysis	
3	28-01-22	Chilical trial sample analysis	
	29-01-22		
	31-01-22	Statistical analysis of clinical trial data	
4	01-02-22	Interpretation and reporting of clinical trial data	
	02-02-22	interpretation and reporting or clinical trial data	

Course outcomes:

Upon completion of the program, participants were able to:

- 1. Understand the regulatory requirements for pharmaceutical analysis in clinical trials
- 2. Apply GLP to pharmaceutical analysis
- 3. Develop and validate bioanalytical methods and assays
- 4. Conduct pharmacokinetic and pharmacodynamic analysis
- 5. Analyze clinical trial samples
- 6. Perform statistical analysis of clinical trial data
- 7. Interpret and report clinical trial data

Value Added Course Report

Title: Pharmaceutical Analysis for Clinical Trials



(Sponsored by the Exhibition Society), Tarnaka, Secunderabad Affiliated to Osmania University, Approved by AICTE & PCI ISO 9001: 2015 Certified Institution, NBA Accredited B. Pharmacy Course

Duration: 30 Hours

Dates: January 17th to February 2nd, 2022

Time: 3:00 PM - 5:00 PM Duration: 30 Hours

Number of students attended: 60

Coordinator: Dr. K. Neelima, Associate Professor, Department of Pharmaceutical Analysis

Introduction:

The "Pharmaceutical Analysis for Clinical Trials" Value added program aimed to offer a comprehensive understanding of the role of Pharmaceutical Analysis in Clinical Trials. Spanning over 30 hours, the program delved into various facets of clinical trials in pharmaceutical analysis and its significance in advancing pharmaceutical analysis in clinical trials.

Program Highlights:

Session 1 Navigating the Regulatory Maze: Understanding Pharmaceutical Analysis in Clinical Trials

Speaker Name: Mrs. P. Tulasi, Assistant Professor, Department of Pharmacology

To demonstrate the ability to navigate and interpret regulatory guidelines specific to clinical trials. Gain expertise in identifying and addressing potential regulatory challenges related to analytical methods, data integrity, and documentation, ensuring the successful planning and execution of pharmaceutical analyses within the clinical trial framework.

Session 2 Precision and Compliance: Applying GLP to Elevate Pharmaceutical Analysis Speaker Name: Mrs. Indira Rani, Assistant Professor, Department of Pharmaceutical Analysis To showcase proficiency in implementing GLP standards in analytical procedures, ensuring the reliability and reproducibility of pharmaceutical analysis. Emphasize the significance of adherence to GLP in producing high-quality, credible data essential for regulatory submissions and maintaining the integrity of research outcomes.

Session 3 Precision in Practice: Developing and Validating Bioanalytical Methods for Clinical Trials

Speaker Name: **Dr. K. Neelima, Associate Professor, Department of Pharmaceutical Analysis**To demonstrate the ability to validate bioanalytical methods, ensuring their suitability for intended use in clinical trials. Understand and apply validation parameters, such as linearity, precision, and stability, to guarantee the reliability of bioanalytical data generated during the drug development process.

Session 4 Decoding Drug Dynamics: Conducting Pharmacokinetic and Pharmacodynamic Analysis

Speaker Name: Mrs. M. Indira Rani, Assistant Professor, Department of Pharmaceutical Analysis

To demonstrate expertise in conducting pharmacodynamic analysis, focusing on the relationship between drug concentration and its effects. Interpret and apply pharmacokinetic



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and pharmacodynamic data to optimize drug dosing strategies and contribute to the overall success of clinical trials.

Session 5: From Collection to Conclusion: Analyzing Clinical Trial Samples with Precision Speaker Name: **Dr. K. Neelima, Associate Professor, Department of Pharmaceutical Analysis** To demonstrate expertise in utilizing various analytical techniques for the analysis of clinical trial samples. Emphasize the importance of selecting appropriate methods and instruments based on sample characteristics, ensuring accurate and reliable results for clinical trial data interpretation.

Session 6: Statistical Precision: Unveiling Insights from Clinical Trial Data

Speaker Name: Dr. Shanthi Kumari, Professor, Department of Pharmaceutical Analysis

To apply advanced statistical methods to analyze and interpret clinical trial data effectively. Emphasize the role of statistical analysis in drawing meaningful conclusions, supporting evidence-based decision-making, and contributing to the overall success of pharmaceutical research and development.

Session 7: From Raw Data to Regulatory Insight: Interpreting and Reporting Clinical Trial Findings

Speaker Name: **Dr. K Shanthi Kumari, Professor, Department of Pharmaceutical Analysis**To master the art of effective reporting of clinical trial data, focusing on creating comprehensive and clear documentation for regulatory submissions. Highlight the significance of transparent reporting in facilitating the regulatory approval process and communicating research outcomes to diverse stakeholders.

Key Learning's:

The program was designed with the following key objectives:

- Grasp the intricate details of regulatory requirements for pharmaceutical analysis in clinical trials, with a focus on comprehending the role and expectations of key regulatory bodies such as the FDA, EMA, and ICH. Develop a keen awareness of the evolving landscape of clinical trial regulations.
- Apply Good Laboratory Practice (GLP) principles rigorously to pharmaceutical analysis.
 Develop practical skills in creating and maintaining a GLP-compliant laboratory environment, emphasizing the importance of documentation, personnel training, and equipment maintenance.
- Master the principles and techniques involved in developing robust bio-analytical methods and assays. Learn to design and optimize methods that meet regulatory requirements, with a focus on sensitivity, specificity, precision, and accuracy.
- Acquire a comprehensive understanding of pharmacokinetic principles, including drug absorption, distribution, metabolism, and excretion (ADME). Develop the skills to design and execute pharmacokinetic studies aligned with clinical trial objectives.



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- Master the techniques for collecting, handling, and processing clinical trial samples. Develop
 proficiency in ensuring sample integrity and traceability from collection to analysis,
 emphasizing the importance of maintaining sample quality throughout the analytical
 process.
- Acquire a solid foundation in statistical principles relevant to clinical trial data analysis.
 Understand key statistical concepts, including hypothesis testing, data distribution, and variability, to make informed decisions during the analysis phase.
- Develop the ability to critically interpret clinical trial data, considering the study objectives, endpoints, and statistical outcomes. Emphasize the importance of presenting findings accurately and transparently in compliance with regulatory expectations.

Conclusion:

The 30-hour Value added program on Pharmaceutical Analysis for Clinical Trials was a well-organized and informative program. The participants gained valuable knowledge and skills that will help them in their careers as pharmaceutical scientists working in clinical trials.



Program Organizer:

SNVPMV,

Department of Pharmaceutical Analysis

Date: 3/2/2022

PRINCIPAL

T. Contygos



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"Biopharmaceutical Quality Assurance & Validation"

TO COMAND SECTION SECT

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Date:25-02-2022

CIRCULAR

This is to inform that M. Pharmacy (Quality Assurance) III Semester & B.

Pharmacy III Year students may register for a Value-Added Course on

"Bio-pharmaceutical Quality Assurance & Validation" as per the schedule given below. Hence all the students are highly encouraged to register and participate without fail.

Period of Certificate Program: 4th March to 23rd March 2022

Principal
PRINCIPAL
Sarojini Naidu vanita Pharmacy Maha Vidyi
Vijeyapuri Colony, S.Lalaguda, Tarn
Secunderabad-500 017.

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Detailed Program Schedule

Name of Class: M. Pharmacy (QA) III Semester ,B. Pharmacy III Year	Course: Bio-pharmaceutical Quality Assurance & Validation
Duration of Course : 15	Duration : 2 Hours
Days	Time: 3:00 PM - 5:00 PM

Dates: 4th March to 23rd March 2022

Time: 3:00 PM - 5:00 PM Duration: 30 Hours

Number of students attended: 77

Organized by: Sarojini Naidu Vanita Pharmacy Maha Vidyalaya

Coordinator: Mrs. R. Prasanthi, Assistant Professor, Department of Pharmaceutical Quality

Assurance, SNVPMV

Mrs. K. Vinutha, Assistant Professor, Department of Pharmaceutical Quality Assurance,

SNVPMV

Schedule: Bio-pharmaceutical Quality Assurance & Validation

Session	Date	Topic Name
1	04-03-2022	Introduction to Biopharmaceuticals
2	05-03-2022	Regulatory Requirements for Biopharmaceuticals
3	07-03-2022	Quality Assurance System for Biopharmaceutical Manufacturing
4	08-03-2022	Sterility Testing of Biopharmaceuticals
5	09-03-2022	Endotoxin Testing of Biopharmaceuticals
6	10-03-2022	Potency Testing of Biopharmaceuticals
7	11-03-2022	Environmental Monitoring Program for Biopharmaceutical Manufacturing
8	14-03-2022	Cleanroom Classification and Design for Biopharmaceutical Manufacturing
9	15-03-2022	Personnel Training and Gowning Procedures for Biopharmaceutical Manufacturing
10	16-03-2022	Sterilization Methods for Biopharmaceuticals
11	17-03-2022	Depyrogenation Methods for Biopharmaceuticals
12	19-03-2022	Validation of Sterilization and Depyrogenation Processes for Biopharmaceuticals
13	21-03-2022	Quality Risk Management Principles for Biopharmaceutical Manufacturing
14	22-03-2022	Risk Assessment and Risk Mitigation for Biopharmaceutical Manufacturing
15	23-03-2022	CAPA (Corrective and Preventive Action) System for Biopharmaceutical Manufacturing

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Course outcomes:

After completion of this course, learners can

- 1. Understand the key terms and concepts related to the Biopharmaceutical Quality Assurance and Validation in Pharmaceutical industry.
- 2. Understand the importance of maintaining proper documentation in the pharmaceutical industry related to Quality Control of Biopharmaceuticals.
- 3. Understand quality challenges and solutions pertaining to Environmental Monitoring and Control in Biopharmaceutical Manufacturing.
- 4. Understand detailed discussions on Sterilization and Depyrogenation of Biopharmaceuticals.
- 5. Understand Practical insights into Quality Risk Management in Biopharmaceutical Manufacturing.
- 6. Understand Strategies for continuous quality improvement and best practices

Value added Course Report

Title: "Bio-pharmaceutical Quality Assurance & Validation"

Academic Year 2021-2022

Dates: 4th March to 23rd March 2022

Time: 3:00 PM - 5:00 PM

Duration: 30 Hours

Number of students attended: 77

Organized by: Sarojini Naidu Vanita Pharmacy Maha Vidyalaya

Coordinator: Mrs. R. Prasanthi, Assistant Professor, Department of Pharmaceutical Quality

Assurance, SNVPMV

Mrs. K. Vinutha, Assistant Professor, Department of Pharmaceutical Quality Assurance,

SNVPMV **Speakers:**

- 1. Dr.T. Mamatha, Professor & Head, Department of Pharmaceutical Quality Assurance, SNVPMV.
- 2. Dr. S. Anuradha Bai, Professor, SNVPMV.
- 3 Dr. Siva Jyothi, Associate Professor, SNVPMV

Introduction

In the pursuit of academic excellence and in line with our commitment to fostering knowledge and skill development among our students, Sarojini Naidu Vanita Pharmacy Maha Vidyalaya organized a 30-hour Value added program on "Pharmaceutical Quality Management Systems (QMS)" during the academic year 2021-2022. The program was conducted from 4th March to 23rd March 2022.

Program Objectives

The program was designed with the following key objectives:

- 1. Lectures and Workshops: A series of expert-led lectures and interactive workshops were conducted, focusing on essential Quality Risk Management in Biopharmaceutical Manufacturing principles and practices in the pharmaceutical sector.
- 2. Case Studies: Real-life case studies were examined to understand quality challenges and solutions in the industry.



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- 3. Regulatory Compliance: Detailed discussions on regulatory compliance requirements and industry standards.
- 4. Quality Audits: Practical insights into quality audits and inspection preparation for students.
- 5. Quality Improvement: Strategies for continuous quality improvement and best practices.

Program Overview

The Value added program on Quality Risk Management in Biopharmaceutical Manufacturing was designed to provide students with in-depth knowledge of quality management practices in the pharmaceutical industry. The curriculum covered various aspects of Quality Risk Management in Biopharmaceutical Manufacturing, quality assurance, compliance, and regulatory requirements, ensuring that participants gained a comprehensive understanding of the subject.

Key Session Highlights

Session 1: Introduction to Bio-pharmaceutical Quality Assurance & Validation
This session provided participants with an introductory overview of Pharmaceutical Quality
Management Systems (QMS) applications in pharmaceutical sciences, emphasizing its
significance and potential impact on the industry.

Session 2: Quality Assurance Principles and Practices

Participants delved into the core concepts of Quality Assurance its Principles and Practices along with their applications in drug research, molecular analysis.

Session 3: Quality Control and Quality Management Tools

Focusing on the application of Quality Management Tools in risk assessment, this session covered topics such as risk identification, risk optimization, and predictive analytics.

Session 4: Case Studies in Pharmaceutical Quality Management

The session explored how Quality Management is having impact on patient care, discussing predictive healthcare models and data-driven decision-making.

Conclusion

The 30-hour Value added program on "Bio-pharmaceutical Quality Assurance & Validation" was a resounding success. It not only enhanced the knowledge and skills of our students but also strengthened their understanding of the importance of quality assurance in the pharmaceutical sector. This program, organized by Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, contributed significantly to the academic growth and professional development of the participants. We express our gratitude to the instructors, students, and everyone involved in making this program a success. We remain committed to organizing such educational initiatives in the future to nurture and empower the next generation of pharmaceutical professionals.

SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA



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Program Organizer:

SNVPMV,

Department of Pharmaceutical Quality assurance

Date: 24/3/2022

PRINCIPAL
Sarojini Naidu Vanita Pharmacy Maha Vidyelaya
Vijayapuri Colony, S.Lalaguda, Tarnaka
Secunderabad-500 017.

SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA



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"NPTEL"

Roll No: NPTEL22CY06S33530569

TO ETABOINA LAXMI 8-2-269/19/609 INDRA NAGAR HYDERABAD TELANGANA - 500033 PH. NO :6281622789



Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:3

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

ETABOINA LAXMI

for successfully completing the course

Biochemistry

with a consolidated score of

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Online Assignments

20.1/25

Proctored Exam

40/75

Total number of candidates certified in this course: 394

Prof. Jayanta Mukhopadhyay
Dean Outreach
IIT Kharagpur

Jan-Apr 2022 (12 week course) Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur





Roll No: NPTEL22CY06S33530603

TO
GAMPALA TEJASHREE
6-2-67/1 NEW-BHOIGUDA
NEW-BHOIGUDA SECUNDERABAD
SECUNDERABAD
TELANGANA - 500003
PH. NO :9059840522



Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:3

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

GAMPALA TEJASHREE

for successfully completing the course

Biochemistry

with a consolidated score of 69

Online Assignments | 19.35/25 | Proctored Exam | 49.5/75

Total number of candidates certified in this course: 394

Prof. Jayanta Mukhopadhyay
Dean Outreach
IIT Kharagpur

Jan-Apr 2022 (12 week course) Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur





Roll No: NPTEL22CY06S33531866

TO SARAYU GUTHULA H-NO-1-121/117C V.S.T COLONY NACHARAM, HYDERABAD HYDERABAD TELANGANA - 500076 PH. NO :8143992428



Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:3

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

SARAYU GUTHULA

for successfully completing the course

Biochemistry

with a consolidated score of

Online Assignments | 20.25/25 | Proctored Exam | 33/75

Total number of candidates certified in this course: 394

Prof. Jayanta Mukhopadhyay
Dean Outreach
IIT Kharagpur

Jan-Apr 2022 (12 week course) Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur





Roll No: NPTEL22CY06S43531380

TO HUSNA MAHVEEN H.NO 22-5-675,CHOWK MAIDAN KHAN ALIJAH KOTLA HYDERABAD TELANGANA - 500002 PH. NO :9347655808



Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:3

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

HUSNA MAHVEEN

for successfully completing the course

Biochemistry

with a consolidated score of

4

Online Assignments | 18.81/25 | Proctored Exam | 35.21/75

Total number of candidates certified in this course: 394

Prof. Jayanta Mukhopadhyay Dean Outreach

anta Mukhopadhyay Jan-Apr 2022
Dean Outreach
IIT Kharagpur (12 week course)

Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur

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Roll No: NPTEL22CY06S43532627

TO JARUPULA DIVYA H.NO.17-1-391/G/F/42, SINGARENI COLONY SAIDABAD, HYDERABAD HYDERABAD TELANGANA - 500059 PH. NO :9949622537



Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:3

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

JARUPULA DIVYA

for successfully completing the course

Biochemistry

with a consolidated score of 43

Online Assignments | 12.72/25 | Proctored Exam | 30.62/75

Total number of candidates certified in this course: 394

Prof. Jayanta Mukhopadhyay
Dean Outreach
IIT Kharagpur

Jan-Apr 2022 (12 week course) Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur





Roll No: NPTEL22CY06S33530088

TO RAKSHITHA 34-99, FL NO-102, 1ST FLOOR RAGHURAM RESIDENCY, V V PURAM HYDERABAD TELANGANA - 500056 PH. NO:8106323216



Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:3

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

RAKSHITHA

for successfully completing the course

Biochemistry

with a consolidated score of

Online Assignments | 18.72/25 | Proctored Exam | 37.5/75

Total number of candidates certified in this course: 394

Prof. Jayanta Mukhopadhyay
Dean Outreach
IIT Kharagpur

Jan-Apr 2022 (12 week course) Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur



Roll No: NPTEL22CY06S33530247

To MINNEKANTI JAHNAVI **GAYATRINAGAR MOULAALI** STREET NO 4 **HYDERABAD** TELANGANA - 500040 PH. NO:7680061678



Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:3

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

MINNEKANTI JAHNAVI

for successfully completing the course

Biochemistry

with a consolidated score of

Online Assignments | 20.44/25 | Proctored Exam

30/75

Total number of candidates certified in this course: 394

Prof. Jayanta Mukhopadhyay Dean Outreach

IIT Kharagpur

Jan-Apr 2022 (12 week course) Prof. Debjani Chakraborty Coordinator, NPTEL IIT Kharagpur





Roll No: NPTEL22CY06S33530148

TO NOMITHA MEDHA BYREDDY H.NO.-12-5-149/14/6/2 VIJAYAPURI COLONY,AXIS BANK LANE,TARNAKA SECUNDERABAD TELANGANA - 500017 PH. NO :9573251612



Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:3

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

NOMITHA MEDHA BYREDDY

for successfully completing the course

Biochemistry

with a consolidated score of 63

Online Assignments | 19.75/25 | Proctored Exam | 43.5/75

Total number of candidates certified in this course: 394

Prof. Jayanta Mukhopadhyay
Dean Outreach
IIT Kharagpur

Jan-Apr 2022 (12 week course) Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur





Roll No: NPTEL22CY06S43531203

To POOSA HARINI **HNO 173 LALBAZAR** TRIMULGHERRY SECUNDERABAD HYDERABAD TELANGANA - 500015 PH. NO:6304478751



Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:3

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



Elite

ertification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

POOSA HARINI

for successfully completing the course

Biochemistry

with a consolidated score of

Online Assignments | 19.44/25 | Proctored Exam

50.51/75

Total number of candidates certified in this course: 394

Prof. Jayanta Mukhopadhyay Dean Outreach

Jan-Apr 2022 (12 week course) Prof. Debjani Chakraborty Coordinator, NPTEL IIT Kharagpur

IIT Kharagpur





Roll No: NPTEL22CY06S33530294

TO S RAVALIKA 18-3-463/1/58/1 SHIVA JINAGAR, RA JANNNABAOWLI HYDERABAD TELANGANA - 500053 PH. NO:8317605796



Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:3

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

S RAVALIKA

for successfully completing the course

Biochemistry

with a consolidated score of 53

Online Assignments | 20.44/25 | Proctored Exam | 33/75

Total number of candidates certified in this course: 394

Prof. Jayanta Mukhopadhyay
Dean Outreach
IIT Kharagpur

Jan-Apr 2022 (12 week course) Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur





Roll No: NPTEL22CY06S43530992

TO SNEHA 1-8-215/28/29, TIRTH SHILA, FLAT 102 BHAGAVAN MAHAVEER ROAD, OLD BAZAR SECUNDERABAD TELANGANA - 500003 PH. NO :9448690244



Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:3

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

SNEHA

for successfully completing the course

Biochemistry

with a consolidated score of 61

Online Assignments | 20.03/25 | Proctored Exam | 41.33/75

Total number of candidates certified in this course: 394

Prof. Jayanta Mukhopadhyay
Dean Outreach
IIT Kharagpur

Jan-Apr 2022 (12 week course) Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur





Roll No: NPTEL22CY06S33530140

TO V NIKITA SHREE F3 SHIVA SAI APT 3 MAA FURNITURE LANE CHANDRAGIRI COLONY (WEST), MALKA JIGIRI HYDERABAD TELENGANA - 500056 PH. NO:9392820887



Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:3

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



NPTEL Online Certification





This certificate is awarded to

V NIKITA SHREE

for successfully completing the course

Biochemistry

with a consolidated score of 49

or +3

Online Assignments | 18.5/25 | Proctored Exam | 30/75

Total number of candidates certified in this course: 394

Prof. Jayanta Mukhopadhyay
Dean Outreach
IIT Kharagpur

Jan-Apr 2022 (12 week course) Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur





Roll No: NPTEL22CY06S33530365

TO
V SAI MALAVYA
VIJAYAPURI COLONY TARNAKA
12-5-31/32 S LALA GUDA ROAD SECUNDERABAD
SECUNDERABAD
TELANGANA - 500017
PH. NO :9381294761



Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:3

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

V SAI MALAVYA

for successfully completing the course

Biochemistry

with a consolidated score of 60

Online Assignments | 19.53/25 | Proctored Exam | 40.5/75

Total number of candidates certified in this course: 394

Prof. Jayanta Mukhopadhyay
Dean Outreach
IIT Kharagpur

Jan-Apr 2022 (12 week course) Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur



