LIST OF COURSES FOR THE A. Y 2020-21

S. No	Name of the course
1	Chem Informatics & Compound library design
2	Pharmaceutical Quality assurance & Regulatory Compliance and validation
3	Spectroscopic Methods
4	Ethno-pharmacology: Traditional medicine and modern Applications
5	Innovations in Nano-particle – Based Drug Delivery Systems
6	Advance Topics in Drug Interactions
7	Quality assurance in Clinical Trials & Drug Development
8	SWAYAM

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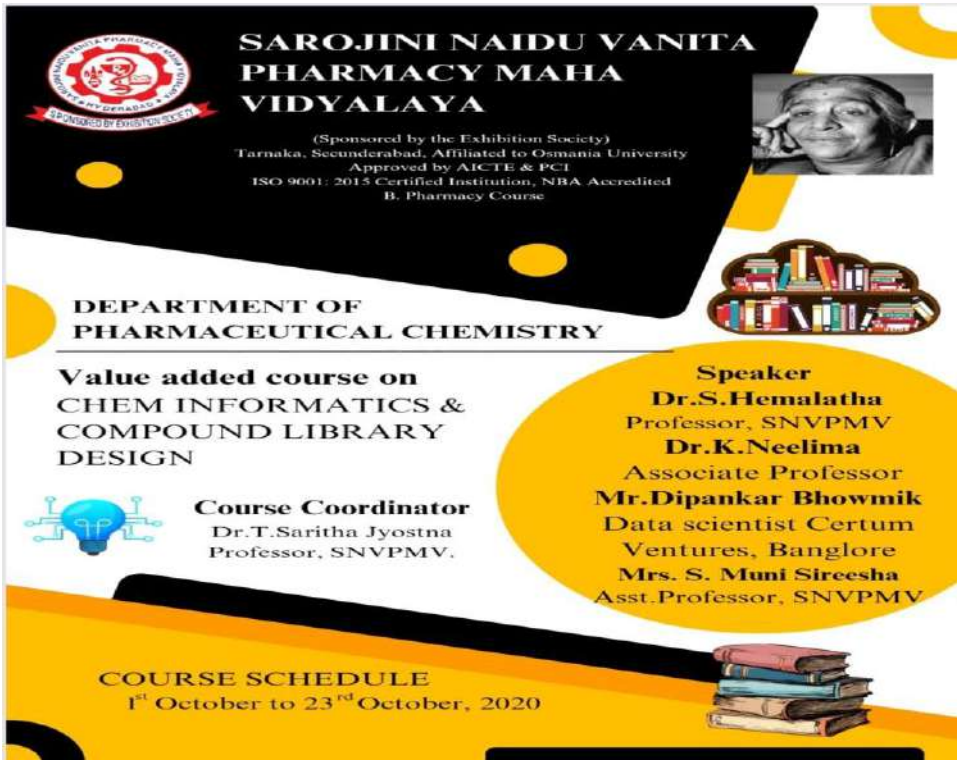
"Chem Informatics & Compound library design"



SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA
(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

Date:15/09/2020

CIRCULAR

This is to inform **B. Pharmacy IV Year** and **Pharma. D III Year** students have Value added Programme on "**Cheminformatics and Compound Library Design**" as per the schedule given below. Hence all the students informed to attend the programme without fail.

1st October to 23rd October, 2020

SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA TARNAKA, SEC-BAD.

Principal

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

Detailed Program Schedule

Name of Class: B. Pharmacy II & IV Year and Pharma. D III Year	**Course**: Chem-informatics and Compound Library Design
Duration of Course: 15 Days (2 Hours)	**Duration**: 1st October to 23rd October, 2020 **Timings:** 3 P.M to 5 P.M

Dates: 1st October to 23rd October, 2020
Time: 3:00 PM - 5:00 PM
Duration: 30 Hours
Number of students attended: 100
Organized by: Sarojini Naidu Vanita Pharmacy Maha Vidyalaya
Coordinator: Dr. T. Sarita Jyostna, Professor**,** SNVPMV
Speakers:
1. Dr. S. Hemalatha, Professor, SNVPMV
2. Dr. K. Neelima, Associate Professor, SNVPMV
3. Mr. Dipankar Bhowmik, Data scientist Centum Ventures, Bangalore.
4. Mrs. Muni Sireesha, Asst. Professor, SNVPMV

Schedule: Chem-informatics and Compound Library Design

Session	Date	Topic Name
1	01-10-2020	Introduction to Chem informatics
2	03-10-2020	Fundamentals of Compound Libraries
3	05-10-2020	Database mining and curation techniques.
4	06-10-2020	Structure-Activity Relationship (SAR) Analysis
5	07-10-2020	Chem informatics Tools and Software
6	08-10-2020	Hands-on training with chem. informatics software.
7	09-10-2020	Compound Library Design Strategies
8	12-10-2020	Chem informatics and ADMET Prediction
9	13-10-2020	Utilizing computational tools for ADMET prediction.
10	16-10-2020	QSAR Modeling and Applications
11	19-10-2020	Compound Library Screening and Analysis
12	20-10-2020	Integration of Computational and Experimental Approaches
13	21-10-2020	Future Trends in Chem informatics
14	22-10-2020	Application of Artificial Intelligence in Cheminformatics
		Field Work
15	23-10-2020	Course Assessment
		Presentation of case studies in cheminformatics.
		Certificate Distribution and Closing Ceremony

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Course outcomes:

After completion of this course, learners can

1. Understand the key terms and concepts related to Chem informatics and Compound Library Design.
2. Examine the various Database mining and curation techniques.
3. Compare the various Cheminformatics Tools and Software.
4. Descriminate the different Compound Library Design Strategies
5. Understand the importance of QSAR Modelling and Applications
6. Gain the knowledge on Application of Artificial Intelligence in Cheminformatics

Value Added Course Report

Title: "Cheminformatics and Compound Library Design"
Name of Class: B. Pharmacy II,&IV Year and Pharma. D III Year
Duration: 30 Hours
Dates: 1st October to 23rd October, 2020.
Time: 3:00 PM - 5:00 PM
Number of students attended: 100
Coordinator: Mrs. S. Muni Sireesha, Department of Pharmaceutical Chemistry.

Introduction

Chem-informatics is a multidisciplinary field that amalgamates principles of chemistry, biology, computer science, and information technology. Its primary goal is to facilitate the efficient organization, analysis, and interpretation of chemical data for drug discovery and development. The design and curation of compound libraries play a pivotal role in identifying potential drug candidates and optimizing the drug development process.

Importance of Chem-informatics and Compound Library Design

Accelerating Drug Discovery: Chem-informatics expedites the process of identifying potential drug candidates by employing computational tools to screen compound libraries, significantly reducing the time and resources required in the initial stages of drug discovery.

Optimizing Compound Libraries: Creating diverse and high-quality compound libraries is essential for the success of drug discovery. The design strategies aim to increase the likelihood of finding novel and effective drug candidates.

Program Overview:

The Value added program aimed to provide a comprehensive understanding of cheminformatics and the design, organization, and utilization of compound libraries in drug discovery. The program integrated theoretical knowledge with practical sessions and hands-on training in software tools used in chem-informatics.

Objectives:

Introduction to Chem-informatics: Understanding the fundamental concepts and importance of chem-informatics in drug discovery.

Compound Library Design Strategies: Exploring techniques for creating diverse and optimized compound libraries.

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Utilization of Software Tools: Hands-on training and practical applications of various chem-informatics software tools.

Prediction of ADMET Properties: Learning methods for predicting absorption, distribution, metabolism, excretion, and toxicity of compounds.

Application of Computational Approaches: Understanding the integration of computational and experimental methods in compound library design.

Program Structure:
The program was structured across two weeks, consisting of 30 hours of instructional sessions. The curriculum covered a range of topics, including molecular modeling, structure-activity relationship (SAR) analysis, QSAR modeling, and future trends in chem.-informatics.

Conclusion:
The Value added Program on Chem-informatics and Compound Library Design successfully achieved its objectives by equipping participants with a deep understanding of the principles and practical applications in the field. The program concluded with the presentation of final projects, followed by the distribution of certificates to participants.

This report summarizes the successful execution and outcomes of the Value added program, promoting expertise and proficiency in the domain of chem.-informatics and compound library design.

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

Photos: Chem Informatics & Compound library design 2020-2021

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"Pharmaceutical Quality assurance & Regulatory Compliance and validation"

SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA
(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

Date:26-10-2020

CIRCULAR

This is to inform that **B. Pharmacy III Year** students may register for a Value-Added Course on ***"Pharmaceutical Quality assurance & Regulatory Compliance and validation"*** as per the schedule given below. Hence all the students are highly encouraged to register and participate without fail.

Period of Certificate Program: 2nd November - 14th November, 2020

Principal
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Vijayapuri Colony, S.Lalaguda, Tarnaka,
Secunderabad-500 017.

Detailed Program Schedule

Name of Class: B. Pharmacy III Year	**Course**: Pharmaceutical Quality assurance & Regulatory Compliance and validation
Duration of Course: 15 Days	**Duration**: 2 Hours **Time:** 3:00 PM - 5:00 PM

Dates: 2nd November - 14th November, 2020
Time: 3:00 PM - 5:00 PM
Duration: 30 Hours
Number of students attended: 74
Organized by: Sarojini Naidu Vanita Pharmacy Maha Vidyalaya
Coordinator: Mrs. R. Prasanthi, Assistant Professor, Department of Pharmaceutical Quality Assurance.
Schedule: Pharmaceutical Quality assurance & Regulatory Compliance and validation

Session	Date	Topic Name
1	02-11-2020	Importance of quality in pharmaceuticals
2	03-11-2020	Regulatory landscape and compliance overview
3	04-11-2020	Key concepts of Good Manufacturing Practices (GMP)
4	05-11-2020	Introduction to Quality Management Systems (QMS)
5	06-11-2020	Understanding Regulatory Compliance
6	07-11-2020	Different regulatory bodies and their requirements (e.g., FDA, EMA, WHO)
7	09-11-2020	Key regulations and guidelines (e.g., cGMP, ICH), Industry best practices and future directions
8	10-11-2020	Implementing and maintaining an effective QMS, Supply chain management and quality assurance
9	11-11-2020	Different types of validation studies (e.g., analytical method, cleaning, sterilization)
10	12-11-2020	Validation protocols and documentation, Recent regulatory updates and emerging trends, Case studies of successful and unsuccessful QA practices
11	13-11-2020	Continuous improvement methodologies (e.g., Six Sigma, Lean)
		Field Work
12	14-11-2020	Course Assessment

Course outcomes:
After completion of this course, learners can
1. Understand the key terms and concepts related to the Pharmaceutical Quality assurance & Regulatory Compliance and validation in Ppharmaceutical industry.

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2. Understand the importance of maintaining proper documentation in the pharmaceutical industry related to Pharmaceutical Quality assurance & Regulatory Compliance and validation
3. Understand quality challenges and solutions pertaining Control in Pharmaceutical Quality assurance & Regulatory Compliance and validation
4. Understand detailed discussions on Pharmaceutical Quality assurance & Regulatory Compliance and validation
5. Understand Practical insights into Quality Risk Management in Pharmaceutical Quality assurance & Regulatory Compliance and validation
6. Understand Strategies for continuous quality improvement and best practices.

Value added Course Report

Title: "Pharmaceutical Quality assurance & Regulatory Compliance and validation"
Academic Year 2020-2021
Dates: 2nd November - 14th November, 2020
Time: 3:00 PM - 5:00 PM
Duration: 30 Hours
Number of students attended: 74
Organized by: Sarojini Naidu Vanita Pharmacy Maha Vidyalaya
Coordinator: Mrs. R. Prasanthi, Assistant Professor, Department of Pharmaceutical Quality Assurance.
Speakers:
Dr. S. Anuradha Professor, Department of Pharmaceutical Quality Assurance, SNVPMV
Dr. B. Siva Jyothi, Associate Professor, Department of Pharmaceutical Quality Assurance, SNVPMV
Mrs. K. Vinutha, Assistant Professor, Department of Pharmaceutical Quality Assurance, 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 assurance & Regulatory Compliance and validation" during the academic year 2020-2021. The program was conducted from 2nd November - 14th September, 2020.

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 Pharmaceutical Quality assurance & Regulatory Compliance and validation Compliance and validation in the pharmaceutical sector.
2. Case Studies: Real-life case studies were examined to understand quality challenges and solutions in the industry.
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.

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Program Overview

The Value added program on Quality Risk Management in Pharmaceutical Quality assurance & Regulatory Compliance and validation 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 Pharmaceutical Quality assurance & Regulatory Compliance and validation

This session provided participants with an introductory overview of Pharmaceutical Quality assurance & Regulatory Compliance and validation applications in pharmaceutical sciences, emphasizing its significance and potential impact on the industry.

Session 2: Regulatory & Industry Trends

Participants delved into the core concepts of Pharmaceutical Quality assurance & Regulatory Compliance and validation along with their applications in drug research, molecular analysis.

Session 3: Quality Control & Manufacturing Operations

Focusing on the application of QA for Pharmaceutical Quality assurance & Regulatory Compliance and validation in risk assessment, this session covered topics such as risk identification, risk optimization, and predictive analytics.

Session 4: Data analysis and trends for proactive risk management

The session explored how QA for Pharmaceutical Quality assurance & Regulatory Compliance and validation is having impact on patient care, discussing predictive healthcare models and data-driven decision-making.

Conclusion

The 30-hour Value added program on "Pharmaceutical Quality assurance & Regulatory Compliance and 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.

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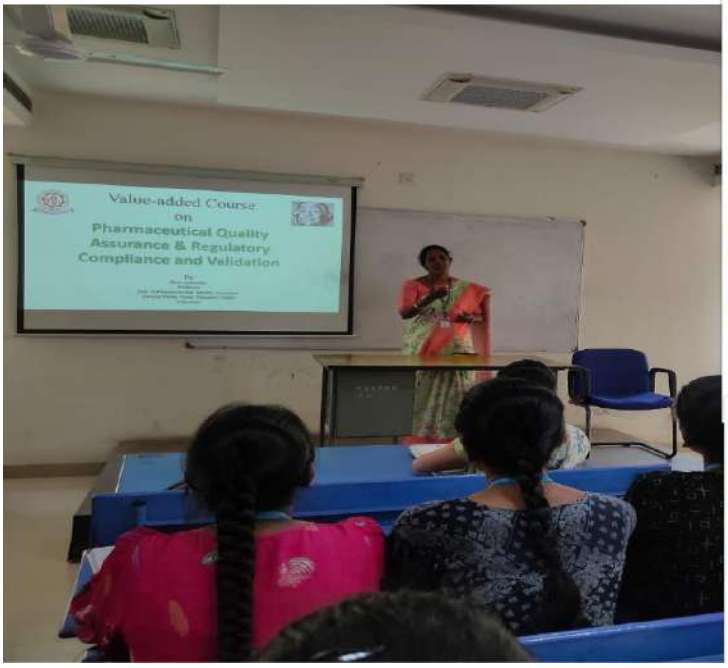
Name of the Program: "Pharmaceutical Quality assurance & Regulatory Compliance and validation"



Program Organizer:
SNVPMV,
Department of Pharmaceutical Quality Assurance
Date: 15/11/2020.

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"Spectroscopic Methods"

SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA
(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

Date: 25-02-2021

CIRCULAR

This is to inform that **Pharm D III Year & B. Pharmacy IV Year** students may register for a Value added course on **"Spectroscopic methods of Pharmaceutical Analysis"** 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 program.

5th March2021 to24th March, 2021

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Secunderabad-500 017.

Detailed Program Schedule

Name of Class: Pharm D III Year & B. Pharmacy IV Year	**Course**: Spectroscopic Methods of Pharmaceutical Analysis
Duration of Course: 15 Days	**Duration**: 2 Hours **Time:** 3:00 PM - 5:00 PM

Dates: March 5th 2021 to 24th March 2021
Time: 3:00 PM - 5:00 PM
Duration: 30 Hours
Number of students attended: 80
Organized by: Sarojini Naidu Vanita Pharmacy Maha Vidyalaya
Coordinator: Dr. K. Neelima, Associate Professor, Department of Pharmaceutical Analysis
Schedule: Spectroscopic Methods of Pharmaceutical Analysis

Session	Date	Topic Name
1	05-03-2021	Introduction to spectroscopy
	06-03-2021	Principles of absorption spectroscopy
	08-03-2021	
2	09-03-2021	Types of absorption spectroscopy
	10-03-2021	Applications of absorption spectroscopy in pharmaceutical analysis
	12-03-2021	
3	15-03-2021	Principles of emission spectroscopy
	16-03-2021	Types of emission spectroscopy
	17-03-2021	Applications of emission spectroscopy in pharmaceutical analysis
4	18-03-2021	Nuclear magnetic resonance (NMR) spectroscopy
	19-03-2021	Applications of NMR spectroscopy in pharmaceutical analysis
	20-03-2021	
5	22-03-2021	Mass spectrometry (MS)
	23-03-2021	Applications of MS in pharmaceutical analysis
	24-03-2021	

Course outcomes:
Upon completion of the program, participants were able to:

1. Understand the principles and applications of spectroscopic methods in pharmaceutical analysis
2. Select the appropriate spectroscopic method for the analysis of a given pharmaceutical product
3. Interpret and report spectroscopic data
4. Troubleshoot and optimize spectroscopic methods

Value Added Course Report

Title: "Spectroscopic Methods of Pharmaceutical Analysis"
Duration: 30 Hours
Dates: 5th March 2021 to 24th March 2021
Time: 3:00 PM - 5:00 PM
Number of students attended: 80
Coordinator: Dr. K. Neelima, Department of Pharmaceutical Analysis.

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Introduction:

The 30-hour Value added program on Pharmaceutical Analysis for Spectroscopic Methods of Pharmaceutical Analysis was organized by Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, Hyderabad, India during the academic year 2020-2021. The program was designed to provide students with the knowledge and skills necessary to conduct pharmaceutical analysis in the Spectroscopic methods of Pharmaceutical Analysis

Program Highlights

Session 1: "Absorbing Insights: Exploring the Principles of Absorption Spectroscopy"
Speaker Name: **Dr. K. Shantha Kumari, Professor, Department of Pharmaceutical Analysis.**
It provides individuals with a comprehensive introduction to spectroscopy, ensuring a solid foundational understanding of the principles, techniques, and applications in analytical chemistry.

Session 2: "From Radiant Waves to Real-world Solutions: Navigating the Types and Applications of Absorption Spectroscopy
Speaker Name: **Dr. K. Neelima, Associate Professor, Department of Pharmaceutical Analysis.**
Equip individuals with a thorough understanding of various types of absorption spectroscopy, such as UV-visible, Infrared (IR), and Atomic Absorption, emphasizing their unique principles and applications in pharmaceutical analysis.

Session 3: "Pharmaceutical Luminescence: Illuminating Insights into the Principles, Types, and Applications of Emission Spectroscopy"
Speaker Name: **Selina Sravanthi, Assistant Professor, Department of Pharmaceutical Analysis.**
Ensure a solid comprehension of the underlying principles governing emission spectroscopy, including the excitation and relaxation processes that lead to the emission of light, laying the groundwork for effective application.
Speaker Name: **Dr. K. Harika, Associate Professor, Department of Pharmaceutics**

Session 4: "Beyond Chemical Bonds: Exploring the Magnetic Realm - Introduction and Applications of NMR Spectroscopy in Pharmaceutical Analysis"
Speaker Name: **Dr. K. Neelima, Associate Professor, Department of Pharmaceutical Analysis.**
Explore and demonstrate the diverse applications of NMR spectroscopy in pharmaceutical analysis, showcasing its role in elucidating molecular structures, quantifying drug concentrations, and providing detailed insights into the composition and quality of pharmaceutical formulations.
Session 5: "Beyond Chemical Bonds: Exploring the Magnetic Realm - Introduction and Applications of NMR Spectroscopy in Pharmaceutical Analysis"
Speaker Name: **Selina Sravanthi, Assistant Professor, Department of Pharmaceutical Analysis.**
Mass spectrometry provides precise identification and detailed characterization of pharmaceutical compounds, ensuring a thorough understanding of their molecular

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structure, composition, and properties. It can be used quality control, regulatory compliance, and the overall efficacy and safety of pharmaceutical products.

Key Learning's:

- Introduction to spectroscopy and principle of absorption spectroscopy: Providing an information on Introduction to spectroscopy and principle of absorption spectroscopy.
- Demonstrate the specific applications of absorption spectroscopy in pharmaceutical analysis, focusing on its role in quantifying drug concentrations, identifying impurities, and ensuring the quality and purity of pharmaceutical products through targeted analytical techniques.
- Introduce individuals to different types of emission spectroscopy, such as fluorescence and phosphorescence, emphasizing the distinct mechanisms and conditions that characterize each type, enabling informed selection for specific applications.
- It provides individuals with a comprehensive understanding of the principles behind NMR spectroscopy, including the interactions of nuclei with magnetic fields, to equip individuals with the foundational knowledge necessary for proficient application.
- Utilize mass spectrometry for the identification and characterization of pharmaceutical compounds, enabling precise determination of molecular weights, structural elucidation, and differentiation of isomers.

Conclusion:

The 30-hour Value added program on Spectroscopic Methods of Pharmaceutical Analysis was a well-organized and informative program. The participants gained valuable knowledge and skills that will help them in their careers as pharmaceutical scientists.

Program Organizer:
SNVPMV,
Department of Pharmaceutical Chemistry
Date: 24/12/2022.

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"Ethno-pharmacology: Traditional Medicine and Modern Applications"

SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA
(Sponsored by the Exhibition Society), Tarnaka, Secunderabad.
Affiliated to Osmania University, Approved by AICTE & PCI
NBA Accredited B. Pharmacy Course

Date: 23/02/2021

CIRCULAR

This is to inform that **B. Pharm I year, Pharm. D II year** students may register for a Value added course on ***"Ethnopharmacology: Traditional Medicine and Modern Applications"*** as per the schedule given below. Hence all the students are highly encouraged to register and participate without fail.

Period of Certificate Program: 1st March to 19th March 2021.

TARNAKA, SEC-BAD

Principal
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Vijayapuri Colony, S.Lalaguda, Tarnaka,
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Detailed Program Schedule

Name of Class: B. Pharmacy I year and Pharm. D II year	**Course:** "Ethno-pharmacology: Traditional Medicine and Modern Applications"
Duration of Course: 15 Days	**Duration: 2 Hours** Time: 3:00 PM - 5:00 PM

Dates: 1st March to 19th March 2021
Time: 3:00 PM – 5:00 PM
Duration: 30 hours
Number of students attended: 83
Organized by: Sarojini Naidu Vanita Pharmacy Maha Vidyalaya
Coordinator: Mrs. M Rajeshwari, Assistant Professor Department of Pharmacognosy.
Schedule: "Ethno pharmacology: Traditional Medicine and Modern Applications"

Session	Date	Topic Name
1	01-03-2021	Ethnobotanical Surveys: Explore methodologies for collecting and documenting traditional medicinal knowledge from different cultural groups.
2	02-03-2021	Medicinal Plant Identification: Investigate techniques used in identifying, cataloging, and preserving medicinal plants important in traditional medicine.
3	03-03-2021	Cultural Significance: Examine the cultural, social, and religious aspects influencing the use of traditional medicine within different communities
4	04-03-2021	Phytochemical Analysis: Delve into the extraction and analysis of bioactive compounds from medicinal plants, providing insights into their therapeutic properties.
5	05-03-2021	Bioprospecting: Explore how ethno-pharmacology contributes to the discovery of novel compounds for pharmaceutical applications.
6	06-03-2021	Innovation in Drug Development: Explore how traditional medicine knowledge can inspire the development of new pharmaceuticals and healthcare solutions.
7	08-03-2021	Integration into Healthcare Systems: Investigate successful models of incorporating traditional medicine into modern healthcare practices.
8	09-03-2021	Ethical Considerations: Discuss the ethical challenges related to the commercialization of traditional knowledge and sustainable practices in ethno-pharmacology.
9	10-03-2021	Community-Based Research: Highlight the importance of involving local communities in research to ensure respectful and mutually beneficial collaborations.
10	12-03-2021	Globalization and Traditional Medicine: Analyze the impact of globalization on traditional medicine, including challenges and opportunities for preserving cultural practices.

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11	15-03-2021	Applications of Ethno-pharmacology in modern medicine
12	16-03-2021	Case Studies and Practical Applications
13	17-03-2021	Real-world Examples and Reviews
14	18-03-2021	Future Prospects and Challenges in using traditional medicine
15	19-03-2021	Assessment followed by Distribution of Certificates

Course outcomes: After completion of this course, learners can

1. Understand an overview of Ethno-botanical Surveys
2. Understand Investigation techniques used in identifying, cataloging, and preserving medicinal plants important in traditional medicine.
3. Explore the Methods of Phyto-chemical Analysis
4. Explore how ethno-pharmacology contributes to the discovery of novel compounds for pharmaceutical applications.
5. Analyze the impact of globalization on traditional medicine, including challenges and opportunities for preserving cultural practices.
6. In-depth exploration of Applications of Ethno-pharmacology in modern medicine

Value added Course Report

Title: "Ethno-pharmacology: Traditional Medicine and Modern Applications"
Academic Year 2020-2021
Dates: 1st March to 19th March 2021
Time: 3:00 PM – 5:00 PM
Duration: 30 hours
Number of students attended: 83
Organized by: Sarojini Naidu Vanita Pharmacy Mahavidyalaya
Coordinator: Mrs. M. Rajeswari, Assistant Professor, Department of Pharmacognosy

Introduction: Ethno-pharmacology: Traditional Medicine and Modern Application aimed to offer a comprehensive understanding the traditional medicinal practices of various cultures and examines their efficacy, safety, and potential applications in modern medicine Spanning over 30hrs.

Program Objectives

The primary objectives of the value added course were:

- To Explore Traditional Medicinal Practices
- To Identify Bioactive Compounds
- To Evaluate Therapeutic Potential
- To Facilitate Drug Discovery
- To Promote Evidence-Based Medicine
- To Address Ethical and Cultural Considerations
- To Enhance Standardization and Quality Control
- To Promote Integration into Healthcare Systems

Program Overview: The program comprised 15 sessions, each lasting 2 hours, and covered various aspects of the principles, methodologies, challenges, and opportunities associated with Ethno-pharmacological research.

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Key Session Highlights

The 30-hour Value added course was designed to cover a wide range of topics, including:

Session 1: Introduction to Ethno-pharmacology, Principles of Ethno-pharmacological Research, Investigate techniques used in identifying, cataloging, and preserving medicinal plants important in traditional medicine.

Speaker Name: Dr. V Jyothi, Principal, Department of Pharmacognosy, SNVPMV.

Session 2: Methods for documenting traditional knowledge Identification and isolation of bioactive compounds

Speaker Name: Dr. P. Praneetha, Associate Professor, Department of Pharmacognosy, SNVPMV.

Session 3: Delve into the extraction and analysis of bioactive compounds from medicinal plants, providing insights into their therapeutic properties.

Speaker Name: Mrs. Leemol Varghese, Sr. Assistant Professor, Department of Pharmacognosy, SNVPMV

Session 4: Innovation in Drug Development: Explore how traditional medicine knowledge can inspire the development of new pharmaceuticals and healthcare solutions.

Speaker Name: Dr. S. Hemalatha Professor & HOD, Department of Pharmaceutical Chemistry

Session 5: Globalization and Traditional Medicine: Analyze the impact of globalization on traditional medicine, including challenges and opportunities for preserving cultural practices.

Speaker Name: Dr. V Jyothi, Principal, Department of Pharmacognosy, SNVPMV.

Conclusion: The 30-hour Value added Program on Drug Discovery from Natural Products, organized by Sarojini Naidu Vanita Pharmacy Maha Vidyalaya during the academic year 2020-21, was success. The program not only empowered students with Principles of Ethno-pharmacological Research, Investigate techniques used in identifying, cataloging, and preserving medicinal plants important in traditional medicine but also Innovation in Drug Development: Explore how traditional medicine knowledge can inspire the development of new pharmaceuticals and healthcare solutions, Globalization and Traditional Medicine.

We are confident that the skills and insights gained by the participants will prove beneficial in their future endeavors. We express our gratitude to all the students, faculty members, and staff who made this program possible. Sarojini Naidu Vanita Pharmacy Mahavidyalaya remains committed to providing high-quality educational opportunities for aspiring pharmacists and pharmaceutical researchers.

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Program Organizer:
SNVPMV
Department of Pharmacognosy
Date: 25/03/2021

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Secunderabad-500 017.

SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA
(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

"Innovations in Nanoparticle – Based Drug Delivery Systems"

SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA
(Sponsored by the Exhibition Society), Tarnaka, Secunderabad.
Affiliated to Osmania University, Approved by AICTE & PCI
NBA Accredited B. Pharmacy Course

DATE: 26.03.2021

CIRCULAR

This is to inform **B. Pharm IV Year** students have value added course on "**Innovations in Nanoparticle – Based Drug Delivery Systems**" as per the schedule given below. Hence all the students informed to attend the programme without fail.

1th April to 19th April, 2021

Principal

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

Detailed Program Schedule

Name of Class: B. Pharm. IV Year	**Course**: Innovations in Nano-particle – Based Drug Delivery Systems
Duration of Course: 15 Days/ 30 Hrs	**Duration**: April 1st to 19th, 2021 **Timings:** 3 P.M to 5 P.M

Dates: April 1st to April 19th, 2021
Time: 3:00 PM - 5:00 PM
Duration: 30 Hours
Number of students attended: 60
Organized by: Sarojini Naidu Vanita Pharmacy Maha Vidyalaya
Coordinator: Mrs. CH. Bhargavi, Assistant Professor, Department of Pharmaceutics.
Schedule: Innovations in Nano-particle – Based Drug Delivery Systems

Session	Date	Topic Name
1	01-04-2021	Basics of Nanoparticles in Drug Delivery
2	03-04-2021	Types of Nanoparticles
3	06-04-2021	Nanoparticle Formulation
4	07-04-2021	Drug Encapsulation and Release
5	08-04-2021	Surface Functionalization
6	09-04-2021	Nanoparticle Characterization
7	10-04-2021	Innovations in Drug Loading
8	12-04-2021	Ethical and Regulatory Considerations
9	15-04-2021	Nanoparticles in Cancer Therapy
10	16-04-2021	Infectious Disease and Vaccine Delivery
11	17-04-2021	Central Nervous System Drug Delivery
12	19-04-2021	Innovations in Transdermal Delivery
13	20-04-2021	Emerging Technologies and Innovations
14	22-04-2021	Final Project
	(Online)	Field Work
15	23-04-2021	Course Assessment
	(Online)	Certification

Course outcomes:
After completion of this course, learners can
1. Understand the key terms and concepts related to Innovations in Nano-particle – Based Drug Delivery Systems.
2. Examine the various Types of Nano-particles
3. Compare the various Drug Encapsulation and Release in different dosage forms.
4. Discriminate the different Ethical and Regulatory Considerations.
5. Understand the importance of Innovations in Transdermal Delivery.
6. Gain an appreciation for the Emerging Technologies and Innovations.

Value Added Course Report

Title: "Innovations in Nano-particle – Based Drug Delivery Systems"
Duration: 30 Hours
Dates: April 1st to 19th, 2021.

T. Sarityosh
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Vijayapuri Colony, S.Lalaguda, Tarnaka
Secunderabad-500 017.

Time: 3:00 PM - 5:00 PM
Number of students attended: 45
Coordinator: Mrs.CH. Bhargavi, Department of Pharmaceutics.
Speakers Name:

1. Mrs. K.Geetanjali, Assoc. Professor, SNVPMV.
2. Mrs. P. Divya Theja, Assistant Professor, SNVPMV.
3. Dr. B. Haarika, Professor, SNVPMV.

Executive Summary:

This report outlines a comprehensive 30-hour value added course plan on "Innovations in Nano-particle-Based Drug Delivery Systems." The course is designed to provide participants with a deep understanding of the application of nano-particles in drug delivery, including the latest advancements in the field. The curriculum spans 15 days, with daily sessions lasting 2 hours each. The course covers the fundamentals, advanced technologies, applications, and future trends in nano-particle-based drug delivery systems.

Course Overview:

- **Course Objective:** The primary objective of this course is to equip participants with the knowledge and skills required to understand, design, and apply innovative nano-particle-based drug delivery systems for improved therapeutic outcomes.
- **Duration:** The course spans 30 hours, with daily sessions lasting 2 hours each. It is designed to be completed over 15 days.

Course Delivery:

The course will be delivered through a combination of lectures, practical demonstrations, case studies, and interactive discussions. Participants will also be engaged in hands-on activities and projects to apply their knowledge in real-world scenarios.

Assessment and Certification:

Participants will be assessed through project presentations, quizzes, and a final examination. Successful participants will receive a certification upon course completion.

Conclusion:

The 30-hour value added course on "Innovations in Nano-particle-Based Drug Delivery Systems" offers a well-structured and comprehensive learning experience. It equips participants with the necessary skills and knowledge to apply innovative nano-particle-based drug delivery systems in the healthcare industry, ultimately improving therapeutic outcomes for patients.

This course plan serves as a valuable resource for professionals, researchers, and students seeking to stay updated with the dynamic field of nano-particle-based drug delivery. It fosters innovation and contributes to advancements in pharmaceuticals and healthcare, ultimately benefiting society at large.

T. Sai Yogesh

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Secunderabad-500 017.

Program Organizer:
SNVPMV,
Department of Pharmaceutics
Date: 21/04/2021.

T. Sarithyosh
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Secunderabad-500 017.

"Advance Topics in Drug Interactions"

SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA
(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

Date: 26/3/2021

CIRCULAR

This is to inform that **Pharm D I, IV, V Year & B Pharmacy III Year** students may register for a Values added course on course on **"Advance Topics in Drug Interactions** as per the schedule given below. Hence all the students are highly encouraged to register and participate without fail.

Period of Certificate Program: April 1st to April 23rd, 2021.

PRINCIPAL
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Vijayapuri Colony, S.Lalaguda, Tarn...
Secunderabad-500 017.

Detailed Program Schedule

Name of Class: Pharm. D I, IV yr, V yr & B.Pharm III yr	**Course**: Advance Topics in Drug Interactions
Duration of Course: 15 Days	**Duration**: 2 Hours **Time:** 3:00 PM - 5:00 PM

Dates: 1st April to 23rd April, 2021
Time: 3:00 PM - 5:00 PM
Duration: 30 Hours
Number of students attended: 134
Organized by: Sarojini Naidu Vanita Pharmacy Maha Vidyalaya
Coordinator: Dr Swarna Priyadarshini, Assistant Professor, SNVPMV.
Schedule: Advance Topics in Drug Interactions

Session	Date	Topic Name
1	01-Apr-21	Registration and Welcome
		Overview of Drug Interactions
2	03-Apr-21	Basic Concepts of Pharmacokinetics and Pharma co-dynamics
		Case Studies Discussion
3	06-Apr-21	Enzyme-Drug Interactions
		Workshop on Enzyme Inhibition and Induction
4	07-Apr-21	Transporter-Mediated Drug Interactions
		Group Activity on Transporter Substrates
5	08-Apr-21	Drug-Drug Interactions: Mechanisms and Consequences
		Panel Discussion
6	09-Apr-21	Herb-Drug Interactions
		Case Studies Analysis
7	10-Apr-21	Drug-Food Interactions
		Practical Tips for Medication Management
8	12-Apr-21	Anticipating and Managing Adverse Drug Reactions
		Interactive Quiz Session
9	15-Apr-21	Personalized Medicine and Drug Interactions
		Case Presentations by Participants
10	16-Apr-21	Regulatory Perspectives on Drug Interactions
		Q&A Session with Regulatory Experts
11	17-Apr-21	Workshop: Practical Application of Drug Interaction Concepts
12	19-Apr-21	Group Project: Analyzing Real-World Drug Interaction Scenarios
13	20-Apr-21	Case Studies: Complex Drug Interaction Cases

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Vijayapuri Colony, S.Lalaguda, Tarnaka
Secunderabad-500 017.

14	22-Apr-21	Case Studies: Complex Drug Interaction Cases
15	23-Apr-21	Case Studies: Complex Drug Interaction Cases

Course outcomes:

After completion of this course, learners can

1. **Comprehensive Understanding:** Develop a comprehensive understanding of advanced concepts related to drug interactions, including pharmacokinetics, Pharma-co-dynamics, and various interaction mechanisms.
2. **Application of Knowledge:** Apply theoretical knowledge to practical scenarios, demonstrating the ability to analyze and interpret drug interaction cases in real-world situations.
3. **Critical Thinking:** Enhance critical thinking skills to evaluate and anticipate adverse drug reactions, considering both individual drug properties and patient-specific factors.
4. **Integration of Disciplines:** Integrate knowledge from multiple disciplines, including pharmacology, biochemistry, and regulatory affairs, to assess and manage complex drug interaction scenarios.
5. **Effective Communication:** Improve communication skills regarding drug interactions, both in professional discussions and in conveying risks and recommendations to patients and healthcare professionals.
6. **Regulatory Compliance:** Gain insights into regulatory perspectives, understanding the latest guidelines and updates related to drug interactions to ensure compliance with industry standards.
7. **Innovative Approaches:** Explore innovative approaches and emerging trends in drug interaction research, including the application of artificial intelligence and personalized medicine.
8. **Collaborative Problem-Solving:** Enhance collaborative problem-solving skills through group projects, workshops, and case studies, fostering teamwork and diverse perspectives.
9. **Strategic Planning:** Develop strategic planning skills for minimizing drug interactions, including the design of comprehensive drug interaction management plans and risk mitigation strategies.
10. **Professional Development:** Facilitate professional development by encouraging participants to stay informed about the latest advancements in drug interactions, fostering a commitment to lifelong learning in the field.

Value Added Course Report

Title: Advance Topics in Drug Interactions
Academic Year 2020-2021
Dates: 1st April to 23th April, 2021
Time: 3:00 PM - 5:00 PM
Duration: 30 Hours
Number of students attended: 134
Organized by: Sarojini Naidu Vanita Pharmacy Maha Vidyalaya

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

Coordinator: Dr Swarna Priyadarshini, Assistant Professor, SNVPMV.
Speakers:
Mrs. M Harini, Assistant Professor,
Ms. P. Tulasi, Assistant professor,
Mrs. O. Jimmy Devi, Assistant Professor,
Mrs. Sayeda Rabab Fathima, Assistant Professor.

Introduction:

The "Advanced Topics in Drug Interactions" Value added program organized by Sarojini Naidu Vanita Pharmacy Maha Vidyalaya was a comprehensive initiative designed to provide participants with advanced knowledge and practical skills in the field of drug interactions. Spanning over 29 days, the program delved into various aspects of pharmacokinetics, Pharma co-dynamics, regulatory perspectives, and emerging trends in drug interaction research.

Program Highlights:

1. Interactive Sessions:
Engaging sessions were conducted by renowned experts in the field, fostering an interactive environment where participants could actively engage, discuss, and seek clarifications on complex drug interaction topics.

2. Workshops and Case Studies:
Hands-on workshops and case studies were a pivotal part of the program, offering participants the opportunity to apply theoretical knowledge to practical scenarios. These sessions equipped participants with the skills necessary to analyze and address real-world drug interaction cases.

3. Group Projects:
The program incorporated collaborative group projects to promote teamwork and problem-solving. Participants worked together to analyze and propose solutions for intricate drug interaction scenarios, fostering a collaborative learning environment.

4. Regulatory Insights:
Regulatory perspectives were highlighted throughout the program, ensuring participants stayed informed about the latest guidelines and compliance requirements. This segment provided valuable insights into the regulatory landscape related to drug interactions.

5. Innovative Approaches:
The program explored innovative approaches in the field, including the application of artificial intelligence, personalized medicine, and advanced techniques in drug interaction analysis. Participants gained exposure to cutting-edge methodologies shaping the future of drug interaction research.

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Secunderabad-500 017.

Conclusion:

The program concluded with a rich learning experience for all participants. The acquired knowledge and skills are expected to contribute significantly to their professional growth and competence in addressing complex drug interaction challenges.

Program Organizer:
SNVPMV,
Department of Pharmaceutical Chemistry
Date: 24/04/2021.

T. Sai Yogesh
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Secunderabad-500 017.

"Quality assurance in Clinical Trials & Drug Development"

SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA
(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

Date:24-05-2021

CIRCULAR

This is to inform that B. Pharmacy III Year students may register for a Value-Added Course on *"Quality assurance in Clinical Trials & Drug Development"* as per the schedule given below. Hence all the students are highly encouraged to register and participate without fail.

Period of Certificate Program: 1st June - 18th June, 2021(Online)

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

Detailed Program Schedule

Name of Class: B. Pharmacy III Year	**Course**: Quality assurance in Clinical Trials & Drug Development
Duration of Course: 15 Days	**Duration**: 2 Hours **Time:** 3:00 PM - 5:00 PM

Dates: 1st June - 18th June, 2021(Online)
Time: 3:00 PM - 5:00 PM
Duration: 30 Hours
Number of students attended: 74
Organized by: Sarojini Naidu Vanita Pharmacy Maha Vidyalaya
Coordinator: Mrs. K. Vinutha, Asst Professor, Department of Pharmaceutical Quality Assurance.
Schedule: Quality assurance in Clinical Trials & Drug Development

Session	Date	Topic Name
1	01-06-2021	Introduction to QA in Clinical Trials and Drug Development
2	02-06-2021	Regulatory Requirements for QA in Clinical Trials and Drug Development
3	03-06-2021	QA Systems and Processes for Clinical Trials and Drug Development
4	04-06-2021	QA for Clinical Trial Documentation
5	05-06-2021	QA for Clinical Trial Monitoring and Auditing
6	07-06-2021	QA for Clinical Trial Laboratories
7	08-06-2021	QA for Clinical Trial Manufacturing and Packaging
8	09-06-2021	QA for Clinical Trial Pharma-co-vigilance
9	10-06-2021	QA for Clinical Trial Good Clinical Practice (GCP) Compliance
10	11-06-2021	QA for Clinical Trial Risk Management
11	14-06-2021	QA for Clinical Trial Regulatory Inspections
12	15-06-2021	QA for Clinical Trial Data
13	16-06-2021	Leading Companies Discuss Their Approaches to Effective QA in Clinical Trials.
14	17-06-2021	Emerging Technologies and Trends Impacting Clinical Trial Manufacturing and Packaging
15	18-06-2021	Insights from Successful and Unsuccessful QA Practices in Clinical Trials.

Course outcomes:
After completion of this course, learners can
1. Understand the key terms and concepts related to the Quality assurance in Clinical Trials & Drug Development in pharmaceutical industry.

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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: "Quality assurance in Clinical Trials & Drug Development"
Academic Year 2020-2021
Dates: 1st June - 18th June, 2021(Online)
Time: 3:00 PM - 5:00 PM
Duration: 30 Hours
Number of students attended: 74
Organized by: Sarojini Naidu Vanita Pharmacy Maha Vidyalaya
Coordinator: Mrs. K. Vinutha, Asst Professor, Department of Pharmaceutical Quality Assurance.
Speakers: Dr. Anuradha Bai, Professor, SNVPMV,
Dr. B. Siva Jyothi, Associate Professor, SNVPMV,
Mrs. R .Prasanthi, Assistant 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 "Quality assurance in Clinical Trials & Drug Development" during the academic year 2020-2021. The program was conducted from 1st June - 18th June, 2021(Online).

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 Quality assurance in Clinical Trials & Drug Development in the pharmaceutical sector.
2. Case Studies: Real-life case studies were examined to understand quality challenges and solutions in the industry.
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.

T. Sai Yyosh
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Secunderabad-500 017.

Program Overview

The Value added program on Quality Risk Management in Quality assurance in Clinical Trials & Drug Development 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 Quality assurance in Clinical Trials & Drug Development
This session provided participants with an introductory overview of Quality assurance in Clinical Trials & Drug Development 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: QA for Clinical Trial Good Clinical Practice (GCP) Compliance
Focusing on the application of QA for Clinical Trial Good Clinical Practice (GCP) Compliance in risk assessment, this session covered topics such as risk identification, risk optimization, and predictive analytics.

Session 4: QA for Clinical Trial Manufacturing and Packaging
The session explored how QA for Clinical Trial Manufacturing and Packaging is having impact on patient care, discussing predictive healthcare models and data-driven decision-making.

Conclusion

The 30-hour Value added program on "Quality assurance in Clinical Trials & Drug Development" 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.

T. Sarivyosh

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Name of the program:"Quality assurance in Clinical Trials & Drug Development"

Program Organizer:
SNVPMV,
Department of Pharmaceutical Quality Assurance
Date: 19/06/2021

T. Sarityosh
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Secunderabad-500 017.

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from the evaluation based on continuous online assessments and the Proctored examination held in month of March 2021.

*This course was offered by **Dr. Ajay Semalty** of **HNB Garhwal University***

Marks in Online Assignments		Marks in Proctored Exam		Total Score	
Total	Obtained	Total	Obtained	Total	Obtained
30	**30**	**70**	**41**	**100**	**71**

J. B. Nadda
National Coordinator
Consortium for Educational Communication (CEC),
New Delhi

CEC

Prof. Arun Singh Rawat
Controller of Examination
H.N.B. Garhwal University, Garhwal

Issued On : 03/08/2021

To validate and check scores: https://swayam.gov.in

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