



# **SRIVENKATESWARACOLLEGE OF PHARMACY (AUTONOMOUS) CHITTOOR, ANDHRA PRADESH**

## **JNTUA Supported Faculty Development Programme on**

**“Navigating the Future of Pharmaceutical Sciences: Educational Strategies for Excellence”**

**16<sup>th</sup> December – 20<sup>th</sup> December 2024**

## **Report on JNTUA Supported Faculty Development Programme**

### **ABOUT THE COLLEGE:**

Sri Venkateswara College of Pharmacy (SVCOP) was established in 2007 under the Srinivasa Educational Academy, which was founded in 1991. SVCOP is the brainchild of Bharatha Jyothi Dr. R. Venkataswamy Garu, a philanthropist and educationalist, with the objective of promoting quality technical education in the drought-prone Rayalaseema region. The institution aims to improve the employability of rural youth by supporting their holistic development.

SVCOP is approved by AICTE and PCI New Delhi, recognized under Section 2(f) & 12(B) of the UGC Act 1956, and permanently affiliated with JNTUA, Ananthapuramu. It is a JNTUA-approved Research Centre for Pharmaceutical Sciences, recognized for In-House R&D by DSIR, New Delhi. Additionally, the college is accredited by NBA, NAAC with a 'B' Grade, and has been granted autonomous status.

Since its inception, SVCOP has been recognized as one of the top 75 pharmacy colleges in India for seven consecutive years (2018–2024) in NIRF rankings. The institution is renowned for advanced research in areas such as Drug Delivery Systems and Phytochemical Screening, with funding exceeding Rs. 500 lakhs from various government agencies.

### **ABOUT THE DEPARTMENT OF PHARMACOLOGY:**

The Department of Pharmacology has modern infrastructure with advanced pharmacological screening instruments and is staffed by well-experienced and qualified faculty. The department offers a postgraduate program in Pharmacology as well as research and development opportunities.

Furthermore, the department is recognized as a research centre for pursuing full-time Ph.D. programs in Pharmaceutical Sciences under JNTUA, Ananthapuramu.

## **FACULTY DEVELOPMENT PROGRAMME (FDP)**

**Title:** Navigating the Future of Pharmaceutical Sciences: Educational Strategies for Excellence

**Duration:** 16th December – 20th December 2024

The objective of the Faculty Development Programme (FDP) is to impart quality training for faculty members and research scholars. It aligns with the vision of the Faculty Development Centre, JNTUA, Ananthapuramu, to enhance the quality of teaching and research in Pharmaceutical Sciences.

### **Objectives of the FDP:**

- **Enhanced Knowledge:** Equip participants with improved teaching methodologies, professional development, and overall educational quality in the field of Pharmaceutical Sciences.
- **Research Opportunities:** Identify new research areas and foster collaborative opportunities, leading to potential publications, projects, and advancements in sustainable technology.
- **Curriculum Enrichment:** Enable participants to enhance teaching competence by adopting innovative pedagogy, technology integration, and interdisciplinary teaching approaches.

The FDP seeks to equip educators, researchers, and professionals in Pharmaceutical Sciences with the latest strategies, tools, and innovations, aiming to foster excellence in teaching and research while addressing future challenges in pharmaceutical education.

## **CHIEF PATRONS AND ORGANIZING TEAM**

### **CHIEF PATRON**

Prof. H. Sudarsana Rao

Vice Chancellor (i/c), JNTUA, Ananthapuramu

### **PATRON**

Prof. S. Krishnaiah

Registrar, JNTUA, Ananthapuramu

### **PROGRAMME DIRECTOR**

Prof. G. Prasanthi

Director, Faculty Development Centre JNTUA, Ananthapuramu

### **CHAIRMAN**

Dr. Ravuri Venkataswamy

Chairman, Sri Venkateswara College of Pharmacy (Autonomous), Chittoor

### **VICE CHAIRMAN**

Dr. Ravuri V. Srinivas

Vice Chairman, Sri Venkateswara College of Pharmacy (Autonomous), Chittoor

### **CONVENOR**

Dr. D. Jothieswari

Principal, SVCOP, Chittoor

### **COORDINATOR**

Dr. C. Radhika

Professor, Department of Pharmacology, SVCOP, Chittoor

### **CO-COORDINATORS**

Dr. V. Ragini, Professor & HOD, SVCOP, Chittoor

## **AIM AND OBJECTIVES OF THE EVENT**

### **Aim:**

To advance the educational and research competencies of faculty members and researchers in Pharmaceutical Sciences through innovative strategies and tools.

### **Objectives:**

1. To enhance knowledge of modern teaching methodologies and research trends in Pharmaceutical Sciences.
2. To provide insights into cutting-edge technologies and innovations for educational excellence.
3. To facilitate interdisciplinary collaboration and research opportunities among participants.
4. To promote curriculum development through the integration of innovative pedagogical approaches.
5. To foster a culture of continuous learning and improvement in academic practices.

### **Outcome of the Event**

1. Improved teaching effectiveness and the adoption of innovative educational strategies.
2. Enhanced research capabilities and the identification of novel research areas.
3. Strengthened professional networks and collaborative opportunities among faculty members and researchers.
4. Practical application of advanced technologies in teaching and research.
5. Greater contribution to the development of Pharmaceutical Sciences through impactful publications and projects.

## Speaker Schedule Overview

### Day 1: December 2024

➤ **16<sup>th</sup> Inauguration Function: 9:30 AM – 11:00 AM**



➤ **Session 1:**

**Topic:** CCSEA Guidelines to Conduct Experiments on Animals and Good Laboratory Practices

**Speaker:** Dr. R.V. Suresh Kumar, Professor, M.V.Sc, PhD, FAGE, Sri Venkateswara Veterinary University, Tirupati

**Time:** 11:15 AM – 12:45 PM

Dr. Kumar's session on CCSEA Guidelines and Good Laboratory Practices provides comprehensive knowledge essential for conducting preclinical research. His expertise helps educators understand ethical guidelines and proper laboratory conduct, which are crucial for training future researchers in ethical scientific methods.



➤ **Session 2 & 3:**

**Topic:** Digital Tools and Simulations in Pharmacology Education

**Speaker:** Dr. S. Kavimani, M.Pharm, PhD, Professor and Head, Department of Pharmacology, Mother Theresa Post Graduate & Research Institute of Health Sciences, Puducherry

**Time:** 1:45 PM – 3:15 PM, 3:30 PM – 5:00 PM



Dr. Kavimani demonstrated how digital tools and simulations can be integrated into pharmacology education to enhance interactive and efficient learning. His insights help educators use technology to create more engaging educational experiences, making the content more accessible and impactful for students.

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## Day 2: 17<sup>th</sup> December 2024

### ➤ Session 1 & 2:

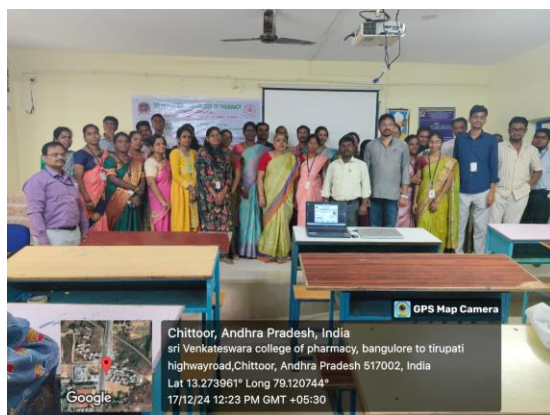
**Topic:** Hyphenated Analytical Techniques

**Speaker:** Dr. AdikaySreedevi, M.Pharm, PhD, Professor, Institute of Pharmaceutical Technology, Sri Padmavati MahilaVisvavidyalayam, Tirupati

**Time:** 9:30 AM – 12:45 PM

Dr. Sreedevi's talk on hyphenated analytical techniques is vital for understanding modern methods of pharmaceutical research. These techniques combine chromatographic and spectroscopic methods, providing precise and efficient ways to analyze drug compounds—essential for quality control and research in the pharmaceutical industry.





### ➤ Session 3 & 4:

**Topic:** Design and Development of Collagen Scaffolds for Topical Drug Delivery

**Speaker:** Dr. V. Shanmugam, M.Pharm, PhD, Professor & Head, Dept of Pharmaceutics, Mohan Babu University, Tirupati

**Time:** 1:45 PM – 5:00 PM

Dr. Shanmugam's focus on the design and development of collagen scaffolds for drug delivery illustrates innovative approaches to pharmaceutical technology. His work emphasizes practical applications in wound care and regenerative medicine, enhancing teaching methods in these emerging fields.







### Day 3: 18th December 2024

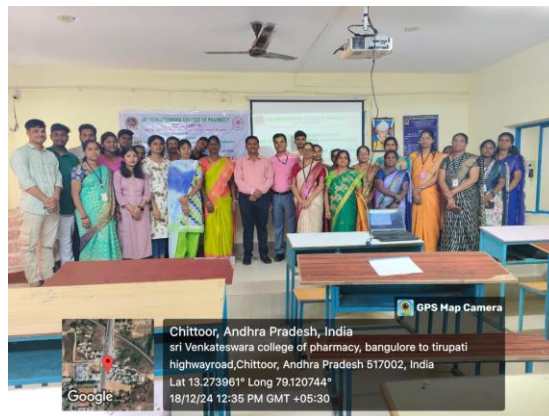
#### ➤ Session 1 & 2:

**Topic:** Fostering a Culture of Safety: Training for Quality Improvement in Hospitals

**Speaker:** Dr. M. Rupesh Kumar, M.Pharm, PhD, Professor & Head, Dept of Pharmacology, Al-Ameen College of Pharmacy, Bangalore

**Time:** 9:30 AM – 12:45 PM

Dr. Kumar emphasis on fostering a culture of safety and quality improvement in hospitals offers essential training on best practices in healthcare management. This session improves educators' understanding of safety protocols and their application in pharmaceutical education.





### ➤ Session 3 & 4:

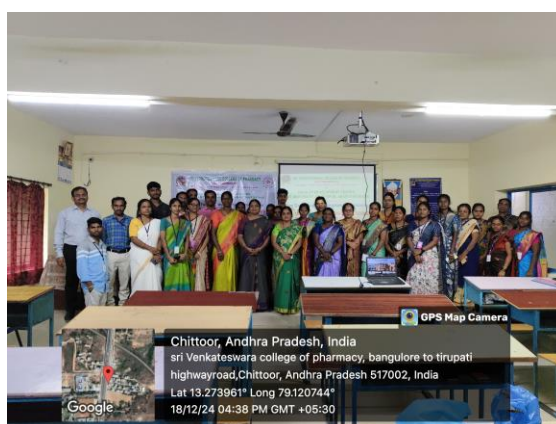
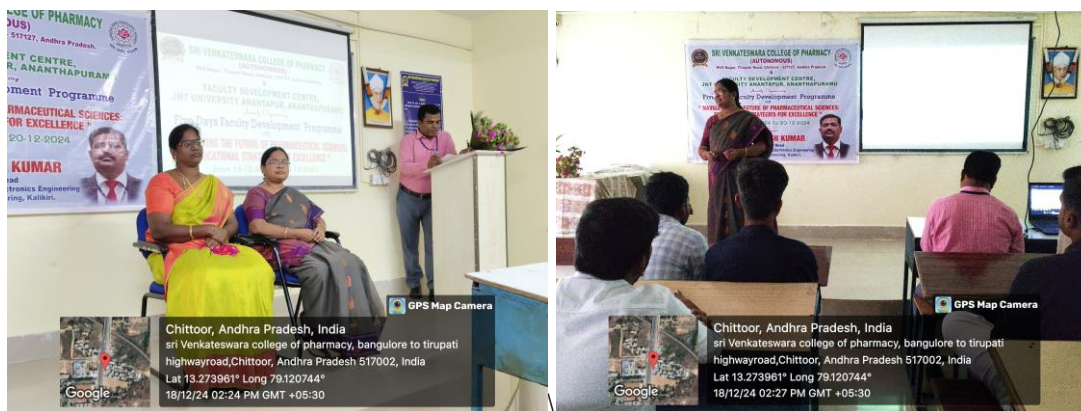
**Topic:** Overview of Drug Development and Regulatory Approval

**Speaker:** Dr. K. Kavitha, M.Pharm, PhD, Professor & Head, Dept of Pharmaceutics, Nitte College of Pharmaceutical Sciences, Bengaluru

**Time:** 1:45 PM – 5:00 PM

Dr. Kavitha's comprehensive overview of drug development and regulatory approval processes is highly useful for pharmaceutical professionals. It provides a clear understanding of the critical stages in bringing a drug to market, which is fundamental knowledge for faculty teaching in this field.





## Day 4: 19th December 2024

### ➤ Session 1 & 2:

**Topic:** Innovative Techniques in Extracting and Isolating Compounds from Natural Drugs

**Speaker:** Dr. S. Hemalatha, M.Pharm, PhD, Professor, Department of Pharmacognosy, Sri Ramachandra Institute of Higher Education and Research, Porur, Chennai

**Time:** 9:30 AM – 12:45 PM

Dr. Hemalatha's innovative techniques in extracting and isolating compounds from natural drugs highlight advanced research methods in pharmacognosy. Her insights are beneficial for those teaching or working on natural product-based drug discovery.





➤ **Session 3 & 4:**

**Topic:** Commercial Application of Glycosides in Herbal Industry

**Speaker:** Dr. S.M. Shaheedha, M.Pharm, MBA, PhD, Associate Professor, Crescent School of Pharmacy, BSARCI, Vandalur, Chennai

**Time:** 1:45 PM – 5:00 PM

Dr. Shaheedha's talk on the commercial application of glycosides in the herbal industry illustrates practical industry-oriented applications of research in the field. It provides valuable knowledge to educators about market-oriented pharmaceutical solutions.



## Day 5: 20th December 2024

### ➤ Session 1 & 2:

**Topic:** IR/NMR Spectral Interpretations of Organic Compounds

**Speaker:** Dr. K. Lakshmi, M.Pharm, PhD, Professor & Dean, Chettinad School of Pharmaceutical Sciences, Chennai

**Time:** 9:30 AM – 12:45 PM

Dr. Lakshmi's expertise in IR/NMR spectral interpretations deepens the participants' understanding of advanced techniques for molecular analysis. This session is crucial for improving research skills in pharmaceutical sciences.





### ➤ Session 3:

**Topic:** Core Concepts in Toxicological Emergencies: Supportive Approaches

**Speaker:** Dr. Kanala Jagadeeswara Reddy, PhD, Associate Director, Department of Toxicology, K J Reddy Biosciences Pvt Ltd, Tirupati

**Time:** 1:45 PM – 3:15 PM

Dr. Reddy's insights into core concepts in toxicological emergencies equip educators with the knowledge to handle critical situations effectively. His work emphasizes practical, life-saving approaches in emergency healthcare, which are vital for training in pharmaceutical and medical. Concludes the program by assessing participants' understanding and providing a platform for feedback and recognition.

