

**A National Level  
One-Week Faculty Development Program  
on**

## **EMERGING TECHNOLOGIES IN PHARMACEUTICAL SCIENCES: INNOVATIONS, APPLICATIONS AND FUTURE TRENDS**

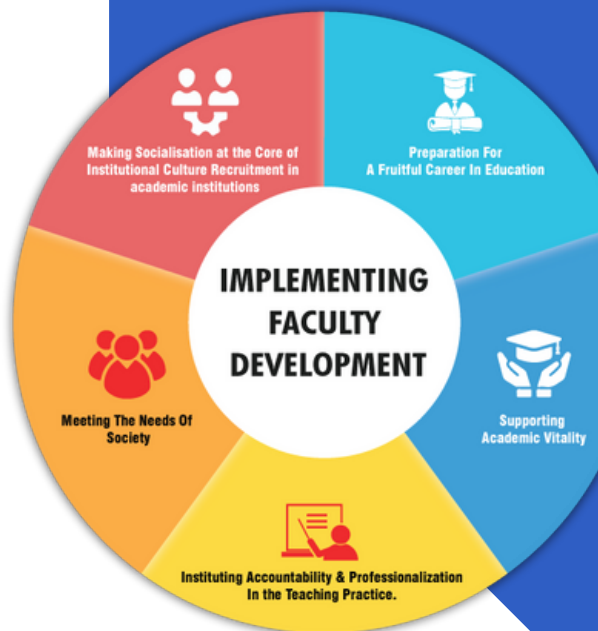
**9<sup>th</sup> June to 13<sup>th</sup> June, 2025  
9:30 AM to 5:00 PM**

**Organized by**

**SCHOOL OF PHARMACEUTICAL SCIENCES  
& TECHNOLOGIES (SPST), JNTUK  
IN ASSOCIATION WITH  
VIGNAN PHARMACY COLLEGE, VADLAMUDI**



**VIGNAN**  
PHARMACY COLLEGE  
(AUTONOMOUS)  
Vadlamudi, Guntur  
NBA Accredited B.Pharm NAAC Accredited A<sup>++</sup>



**REGISTRATION FREE**

**Link:**

<https://docs.google.com/forms/d/e/1FAIpQLSeCMt6UtfM1FfbyprKlbOX6HR5oGZbjT-mrU2kTGrz3RRQ5Gg/viewform>

**Last date of registration: 6<sup>th</sup> June 2025**

**ACCOMMODATION**

Accommodation will be provided for out station participants on prior request or can avail Vignan transport facility.

**MODE OF PROGRAM: OFFLINE**

**CONTACT**

Prof. B Bhavani, Head of the Pharmacy, SPST,  
JNTUK Kakinada - 9394546884  
Prof. P. Srinivasa Babu, Professor & Principal,  
Vignan Pharmacy College - 9866399382

**SCAN TO REGISTER**



**VENUE**

SEMINAR HALL  
Vignan Pharmacy College  
Vadlamudi Post - 522213  
Chebrolu Mandal, Guntur  
Andhra Pradesh, INDIA.



## ABOUT JNTUK

Jawaharlal Nehru Technological University Kakinada established in 2008, originated from the College of Engineering Vizagapatnam (founded in 1946) and was formerly part of JNTU Hyderabad, located on a 100 acres campus in Kakinada, JNTUK oversees 159 affiliated Colleges 11 Districts, serving around 2.3 lakhs students, it offers a wide range of UG, PG, & PhD Programmes in Engineering, Pharmacy and Management guided by State Education Authorities. The University focuses on delivering quality education to produce industry-ready Professionals. The University is accredited by NAAC with A+ grade.

## ABOUT JNTUK – SPST

The School of Pharmaceutical Sciences & Technologies (SPST), established in 2008, is situated within the JNTUK campus in Kakinada, East Godavari District, Andhra Pradesh. SPST offers a comprehensive Bachelor of Pharmacy (B.Pharm), this undergraduate course spans four years and is designed to provide students with in-depth knowledge and skills in pharmaceutical sciences. Masters in Pharmacy (M. Pharm- Pharmaceutics, Pharmaceutical Analysis & Pharmacology), this post-graduate course is not just a qualification; it is a gateway to numerous professional avenues where you can significantly contribute to science, healthcare, and society. The Ph.D. course offers the right balance between knowledge and application, which is a rewarding journey from research to new information to be gained, advancing in professional and personal development. The institution is committed to delivering quality education and fostering research in various domains of pharmacy. Our vision - To be a globally recognized centre of excellence in pharmacy education, research, and innovation, fostering professionals equipped to contribute to healthcare advancements, pharmaceutical sciences, and societal well-being.

## ABOUT VIGNAN PHARMACY COLLEGE



Vignan Pharmacy College was established in 2006 and is situated in a tranquil and verdant environment spanning 3.69 acres in the village of Vadlamudi, along the Guntur–Tenali highway in Andhra Pradesh, India. The institution is officially recognized by the Pharmacy Council of India (PCI), New Delhi, and is permanently affiliated to Jawaharlal Nehru Technological University, Kakinada. The college boasts a dedicated, experienced, and highly qualified faculty. Its infrastructure is of exceptional quality, featuring spacious and well-ventilated classrooms, state-of-the-art laboratories, comprehensive research and library to meet global standards. It has established two Research Centres from Jawaharlal Technological University, Kakinada, and Vignan's University, Guntur. The institution has achieved an h-index of 20. The institution is conferred with Autonomous status for ten years from 2024 to 2034. It offers academic programs for those pursuing B. Pharmacy, M. Pharmacy (specializing in Pharmaceutics & Pharmaceutical Analysis), and PharmD.

The institution holds recognition from the Institution's Innovation Council (IIC), Ministry of Education (MoE), and the Government of India and is certified under ISO 9001:2015, ISO 14001:2015, and ISO 45001:2018 standards. B.Pharmacy program is accredited by the National Board of Accreditation (NBA). It is a NAAC A++ accredited institution with a CGPA of 3.65, affirming its commitment to quality and excellence in education.



## ABOUT FDP

The Faculty Development Programme (FDP) on “Emerging Technologies in Pharmaceutical Sciences: Innovations, Applications and Future Trends” is designed to upskill faculty members, researchers, and industry professionals with the latest advancements reshaping the pharmaceutical landscape. This One Week intensive training programme will focus on cutting-edge technologies such as artificial intelligence (AI), nanotechnology, biosensors, Smart health technologies, Pharmacogenomics, digital health, and advanced drug delivery systems. Through expert lectures, interactive sessions, case studies, and hands-on demonstrations, participants will gain a deeper understanding of how these innovations are transforming drug discovery, development, diagnostics, and personalized medicine. The program supports the vision of Atmanirbhar Bharat by promoting indigenous R&D capabilities, skill development, and industry-academia linkage in pharmaceutical sciences. The programme also aims to foster interdisciplinary collaboration, encourage translational research, and promote entrepreneurship and commercialization of innovative pharmaceutical technologies.

## LEARNING OBJECTIVES



**By the end of this FDP, participants will be able to:**

- Understand the fundamental principles behind emerging technologies in pharmaceutical sciences.
- Identify the applications and potential of technologies such as AI, nanotechnology, biosensors, pharmacogenomics, and 3D printing in pharmacy practice and research.
- Evaluate the impact of these innovations on drug discovery, delivery, diagnostics, and patient-centric therapies.
- Explore strategies for integrating these technologies into academic curriculum and research methodologies.
- Develop entrepreneurial and translational perspectives to bridge academic research with industry needs.
- Enhance their teaching and research capabilities to align with global trends in pharmaceutical sciences.



## PROGRAM OUTLINE

**DAY 1**  
**09.06.2025**

Inauguration & Introduction to Emerging Technologies

**DAY 2**  
**10.06.2025**

AI, ML, and Big Data in Pharma

**DAY 3**  
**11.06.2025**

Regulatory, IPR, and Industry 5.0

**DAY 4**  
**12.06.2025**

Nanotech, Biomedical devices & Smart Formulations

**DAY 5**  
**13.06.2025**

Research Potential & Funding Opportunities & Valedictory





## EMINENT SPEAKERS



**Dr. Sistla Ramakrishna**  
Scientist E1  
Pharmacology Division  
CSIR-IICT, Hyderabad  
Telangana State, India.



**Prof. G Girija Shankar**  
Principal (In-charge)  
A. U. College of Pharmaceutical Science  
Andhra University.



**Prof. Saranjit Singh**  
Director (Retired)  
NIPER Mohali.



**Prof. Ramana Murthy**  
Professor (Rtd)  
AU College of Pharmaceutical Sciences  
& Technologies, Andhra University.



**Dr. B K Sahu**  
Cluster Head, NRDC  
Bhubaneswar.



**Prof. R Nagaraju**  
Department of Pharmaceutics  
Padmavathi Mahila University  
Tirupathi.



**Dr. AV Krishna Raju**  
General Manager, R & D  
Lalila Nutraceuticals.



**Dr. M Sunitha Reddy**  
Professor & Principal  
of UCPS Centre for Pharmaceutical  
Sciences JNTUH University College  
Of Engineering, Science &  
Technology Hyderabad



**Dr. Jitender Madan**  
Associate Professor & Head  
Department of Pharmaceutics  
NIPER Hyderabad.



**Dr. B. Chandra Mohanta**  
Assistant Professor  
Dept. of Pharmacy School of Health  
Sciences, Central University of South Bihar.



**Prof. Alak Niranjan Sahu**  
Dept. of Pharm. Engineering & Technology  
Banaras Hindu University.



**Dr Chandra Sekar S.B**  
Junior Scientific Officer  
Food Safety & Drug Administration  
Government of Karnataka.



**Prof. T E G Krishna Murthy**  
Principal  
Bapla College of Pharmacy  
Bapatla, Andhra Pradesh.



**Prof. D. Sathis Kumar**  
Principal  
Aditya Pharmacy College  
Surampalem, Andhra  
Pradesh.



**Dr. Srikanth Jupudi**  
Assistant Professor  
Dept. of Pharm. Chemistry  
JSS College of Pharmacy  
Ooty, Tamil Nadu.



**Dr. T. Vinay Kumar**  
Professor & Principal  
Victoria College of Pharmacy  
Guntur, Andhra Pradesh.



**Dr. Kotha Kranthi Kumar**  
Associate Professor  
Department of Pharmaceutics  
College of Pharmaceutical Sciences  
Dayananda Sagar University  
Bengaluru, Karnataka, India.

## ORGANIZING COMMITTEE

### PATRONS



**Prof. CSRK Prasad**  
B.E., M.E., PhD  
Hon'ble Vice Chancellor  
JNTUK, Kakinada.



**Dr. K V Ramana**  
Rector  
Professor of Computer Science  
Engineering, UCEK,  
JNTUK, Kakinada



**Dr. Ravindranath Vandrangi**  
Registrar i/c  
Professor of Mathematics  
UCEK, JNTUK, Kakinada



**Dr. L. Rathaiah**  
Chairman  
Vignan Group of Institutions



**Sri. L. Sri Krishna Devarayalu**  
Vice Chairman  
Vignan Group of Institutions  
Hon'ble Member of Parliament (Lok Sabha)

### ORGANIZING MEMBERS



**Prof. P. Subba Rao**  
Director FDP  
Dept. of Civil Engineering  
UCEK, JNTUK, Kakinada



**Prof. K. Padma Priya**  
Director (i/c) SPST,  
JNTUK, Kakinada



**Prof. B. Bhavani**  
Coordinator, FDP  
Head, SPST, JNTUK  
Kakinada



**Prof. P. Srinivasa Babu**  
Coordinator, FDP  
Principal  
Vignan Pharmacy College



**Dr. P. Sowjanya**  
Co-Coordinator, FDP  
Professor & Dean, IQAC  
Vignan Pharmacy College