

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

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

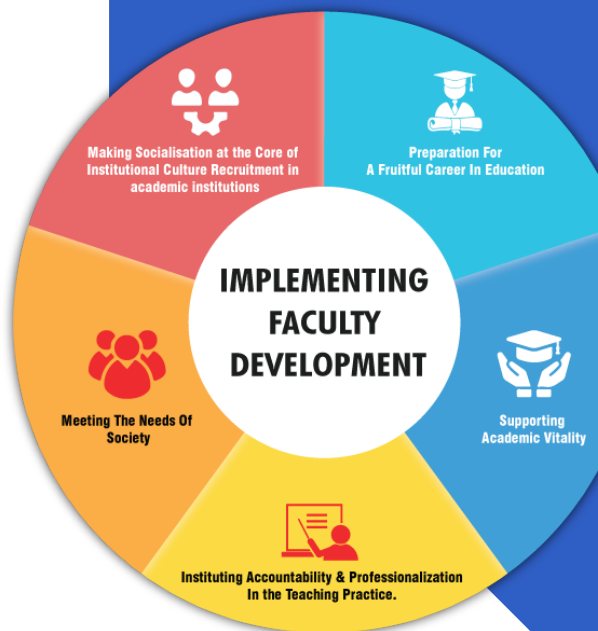
**9th June to 13th June, 2025
9:30 AM to 5:00 PM**

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⁺⁺



REGISTRATION FREE

Link:

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

Last date of registration: 6th 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

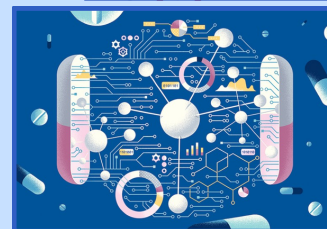
Regulatory, IPR, and Industry 5.0

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



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



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 D Sathis Kumar
Principal
Aditya Pharmacy College
Surampalem, Andhra Pradesh



Dr. Srikanth Jupudi
Assistant professor
Dept. of Pharm. Chemistry
JSS College of Pharmacy
Ooty, Tamilnadu.



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