

About the Training Program

- This Faculty Development Program (FDP) is designed to provide an in-depth understanding of recent advancements and applications in the field of Nanotechnology, with a special focus on transformers, insulation coatings, optical and dielectric properties, and nanoparticle synthesis.
- The program spans five days from June 2 to June 6, 2025, comprising expert lectures, interactive sessions, and hands-on practical training. Eminent speakers and researchers from academia and industry will share insights into cutting-edge research and practical approaches in nanotechnology.

Topics to be covered

- Introduction to Nanotechnology & Interdisciplinary Applications
- Nanomaterials in Transformers & Insulation Systems
- Nanoparticle Synthesis & Characterization Techniques
- Nanocoatings for Electrical Insulation
- Optical & Dielectric Properties of Nanomaterials
- Advances in Nanotech for Energy & Electronics
- Hands-on: Nanoparticle Synthesis & Coating
- Industrial Applications & Case Studies

Distinguished Experts

Dr. N. Gopala Krishna Murthy
SRKR Engineering College, Bhimavaram

Dr. V. Sandeep
NIT-Andhra Pradesh

Dr. P. Dinesh Shankar Reddy
NIT-Andhra Pradesh

Dr. Y. Ramudu
NIT-Andhra Pradesh

Dr. M. Ramu
GITAM University, Visakhapatnam

Dr. Y. Venkatesh,
SCET, Narsapur

Dr. S Siriali,
SCET, Narsapur

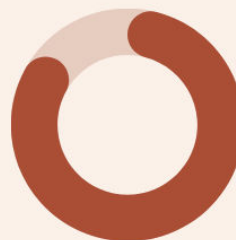
Dr. M. Francis Luther King,
SCET, Narsapur

Dr. R. Sanjeev Kumar,
SCET, Narsapur

Registrations

<https://docs.google.com/forms/d/e/1FAIpQLSflp3ljVqcoD-NkFcXU5OOjZlqr6gjpYTF6BLNETldsHbnjWQ/viewform>

For more Details:
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A 5-DAY FACULTY DEVELOPMENT PROGRAM ON CUTTING EDGE TECHNOLOGY (FDP4CET-02)

Nanotechnology Applications to Electrical Engineering
2nd - 6th June, 2025
Venue: Swarnandhra College of Engg. & Tech. (A), Narsapur
Organized by
Faculty Development Centre, JNTUK

In Association with



Department of EEE
UCEK(A), JNTUK,
Kakinada
and
Department of EEE,
SCET, Narsapur



Nanotechnology Research Center



ABOUT JNTUK, KAKINADA

Jawaharlal Nehru Technological University Kakinada (JNTUK) is established in the year 2008 vide ACT NO. 30 OF 2008 by the State of ANDHRA PRADESH. The University grew out of the College of Engineering Vizagapatnam founded by the Government of the composite Madras State in the year 1946. Spread over a sprawling campus of 100 acres in the port city of Kakinada, the college became a constituent of JNTU, Hyderabad in 1972. Subject to the trifurcation of the JNTU Hyderabad, it was notified as JNTUK Kakinada by the act of legislature in 2008. The jurisdiction of JNTU Kakinada extends over the districts of East Godavari, Kakinada, Konaseema, West Godavari, Eluru, NTR, Krishna, Guntur, Palnadu, Bapatla and Prakasam. The University has 159 affiliated colleges under the jurisdiction of these 11 districts. The University serves approximately 2.3 lakh students across more than 50 bachelor programs, over 120 master programs, and various Ph.D. programs.

ABOUT Department of EEE, UCE

University College of Engineering Kakinada (Autonomous), J N T U Kakinada was originally 'The College of Engineering, Vizagapatnam' at the time of its establishment in the year 1946 by Government of the Composite Madras State. It is now a sprawling campus of 110 acres, green with mango trees in the fast developing Port city of Kakinada. Kakinada has a rich political literacy and cultural heritage passed on through generations. This college became a constituent College of the Jawaharlal Nehru Technological University, Hyderabad w.e.f 02-10-1972. The College has become autonomous in the year 2001. On 20th August, 2008 it became a constituent College for the newly established JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA.

ABOUT SCET

Swarnandhra College of Engineering and Technology (SCET), established in 2001 by The Vasista Educational Society in Narasapur, Andhra Pradesh, is committed to delivering quality, interdisciplinary education through innovation and advanced technologies, aiming to develop students into skilled technocrats, scientists, and entrepreneurs. The 35.06-acre green campus offers world-class infrastructure including Wi-Fi enabled classrooms, smart classrooms, lecture studios, AC seminar and conference halls, and well-equipped laboratories. SCET implements Outcome Based Education (OBE) and the Choice Based Credit System (CBCS), offering minor and honours degrees in B.Tech programs, supported by experienced and research-driven faculty. The institution features advanced research labs in AI & ML, Data Science, Cyber Security, and a Class 10000 Clean Room Nano Research Laboratory for interdisciplinary research.

ABOUT Department of EEE, SCET

The Electrical and Electronics Engineering (EEE) Department, established in 2002 with a UG intake of 60 and a PG specialization in Power Electronics (intake of 18 since 2010), is supported by qualified faculty and well-equipped laboratories. The department was accredited by the National Board of Accreditation (NBA) in 2008, 2013, and 2024. It houses advanced labs such as Basic EEE, Circuits, Machines, Control Systems, Measurements, Power Electronics, Power Systems, and IoT. The curriculum is regularly updated by the Academic Committee and Board of Studies, and student learning is enhanced through expert guest lectures, ensuring a strong foundation in emerging areas of electrical engineering.

CHIEF PATRON

Prof. C. S. R. K. Prasad,
Hon'ble Vice Chancellor, JNTUK Kakinada

PATRONS

Sri K.V. Satyanarayana,
Chairman, SCET
Sri. K. Venkateswara Swamy,
Treasurer, SCET
Sri. A. Sri Hari,
Director, SCET
Dr. S Suresh Kumar,
Principal, SCET
Dr. A. Gopichand,
Vice Principal, SCET

COORDINATOR

Dr. N. Sumathi
Professor, Dept. of EEE, JNTUK Kakinada

CO-COORDINATOR

Dr. Venkatesh Yepuri
Assoc. Professor, and Research coordinator
Dept. of EEE, SCET

ORGANIZING COMMITTEE

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