



NITTTR
Kolkata



UNIVERSAL
COLLEGE OF ENGINEERING & TECHNOLOGY
AUTONOMOUS

Approved by AICTE-New Delhi

Affiliated to JNTU-Kakinada

Established by The Diocese of Guntur Society

Accredited by
NAAC
with **B++**

Certified by
ISO
9001:2015

CELEBRATING
16
YEARS
EXCELLENCE

NITTTR, Kolkata In-House FDP/STTP on AI-Driven Approaches to Pedagogy and Research

24-28 November 2025



In Association with
National Institute of Technical Teachers' Training & Research
Kolkata, West Bengal

Organized by
Internal Quality Assurance Cell and R&D Cell
Universal College of Engineering & Technology



About NITTTR, Kolkata

National Institute of Technical Teachers' Training & Research (NITTTR), Kolkata was established in 1965 as Technical Teachers' Training Institute (TTTI), Calcutta. This was the first among four such institutes (other three being at Chandigarh, Bhopal & Chennai) established by the Ministry of Education, Govt. of India as fully centrally funded autonomous institutions for providing pre & inservice training to the teachers and staff of Degree, Diploma level training & Higher Education institutions and also for conducting various activities related to quality improvement of the technical education system of the country. The Govt. of India, in 2003, accorded national status to this institute, (along with the three sister institutes) in recognition of the contribution of these institutes for the expert service rendered for overall improvement of quality of Technical Education System.

About UCET, Guntur

Universal College of Engineering & Technology-Autonomous, located at Dokiparru, Medikondur, Guntur, Andhra Pradesh, was Esatablished by Diocese of Guntur Society, affiliated to Jawaharlal Nehru Technological University, Kakinada (JNTU-K), approved by AICTE, New Delhi, certified under ISO 9001:2015, and accredited by NAAC with B++ grade. The institution has also been conferred Autonomous Status by the University Grants Commission(UGC), Government of India. The college is situated in a serene, lush green, and tranquil environment, spread across 10.34 acres of picturesque landscape, providing an ideal ambience for academic excellence.

UCET offers six undergraduate programmes leading to B.Tech degrees in Artificial Intelligence & Machine Learning, Civil Engineering, Computer Science & Engineering, CSE-Data Science, Electronics & Communication Engineering, and Mechanical Engineering. In addition, the institution offers three postgraduate programmes: M.Tech in Structural Engineering, M.Tech in Computer Science & Engineering, and MBA. The campus is equipped with state-of-the-art laboratories, well-ventilated classrooms, a hygienic canteen, and extensive indoor and outdoor sports facilities, ensuring that students not only pursue their intellectual goals but also achieve holistic development.

About IQAC and R&D Cell

The Internal Quality Assurance Cell (IQAC) of Universal College of Engineering & Technology ensures continuous academic and administrative improvement through structured planning, monitoring, and documentation aligned with NAAC/UGC norms. It conducts quarterly reviews, tracks CO-PO attainment, and prepares AQARs.

The Research & Development (R&D) Cell fosters innovation, interdisciplinary research, and industry collaboration. It supports faculty and student projects, publications, patents, and consultancy.

Together, IQAC and R&D Cell promote a culture of quality, inquiry, and institutional excellence, contributing to accreditation readiness and national rankings. Their synergy strengthens governance, pedagogy, and research outcomes across the institute.

Registration & Payment Link

<https://forms.gle/SBdmGv38BowTZ6YT8>

Scan & send your filled-in Registration Form to
iqac@ucet.edu.in

Bank Account details

State Bank of India
A/c No: 30611048287
IFSC: SBIN0011094
Lakshmipuram, Guntur.

Registration & Payment

- * Faculty from any department can attend
- * PG Student/ Research Scholar can also attend
- * Registration Fee is Rs.750 per participant.
- * For IEEE Members Rs.650 only.
- * No TA/DA will be provided to the participants.
- * No Accommodation will be provided

SCAN & REGISTER



Resource Person



Dr. Kaki Venkat Rao

Professor
Department of Technical Education & Management
NITTTR, Kolkata

Programme Schedule

Date & Day	Fore Noon	After Noon
24-11-2025, Monday	* Introduction to Digital Pedagogy	* AI Tools in Pedagogy
25-11-2025, Tuesday	* AI Based Curriculum design & Lesson plan	* AI Based Content & PPT generation
26-11-2025, Wednesday	* Outcome Based Curriculum Development	* Introduction to AI/ ML/ DL
27-11-2025, Thursday	* AI based Image Processing	* Case studies
28-11-2025, Friday	* Hybrid Deep Learning	* Case studies

Theme, Objectives & Outcomes

Theme: Empowering Teaching and Research Excellence through AI-Driven Innovations

Objectives:

1. To explore AI tools for enhancing teaching and learning.
2. To build skills in integrating AI into pedagogy and curriculum.
3. To apply AI techniques for data-driven research.
4. To understand ethical and policy aspects of AI in education.
5. To encourage innovation and collaboration in AI-based teaching and research.

Expected Outcomes:

- * Faculty trained in AI-driven pedagogy and research tools.
- * Improved student learning outcomes through adaptive teaching.
- * Enhanced research productivity in publications, patents, consultancy.
- * Strengthened institutional quality assurance and accreditation readiness.

Convener

Vijaya Kumar Kudari, Dean of Academics

Co-Convener

Dr. K.L.N. Murthy, IQAC Coordinator
+91 99584 19628 iqac@ucet.edu.in

<https://ucet.edu.in/>

Dokiparru(V), Medikonduru(M), Guntur -522438, A.P