



Department of Electrical and Electronics Engineering

University College of Engineering Kakinada (Autonomous)

Jawaharlal Nehru Technological University Kakinada

Departmental Events (January – June 2025)

Feb-2025

1. Commencement of Innovation & Coding Club Session-The EEE Department's Innovation and Coding Club at the Student Activity Center (SAC) commenced its session on 15th February 2025. The session included a briefing on kits and components, an overview of paper presentations, and an explanation of microprocessors and microcontrollers.



2. Communication and Leadership Skills Club Session-The EEE Department's Communication and Leadership Skills Club held a session on 22nd February 2025 at Dr. B. R. Ambedkar Central Library, UCEK, JNTUK. Members were divided into groups of five, with each group assigned a book to read and present their insights within 30 minutes.



3. Guest Lecture on Importance of Sports and Injuries-Organized by the EEE Department's Sports Club at the SAC, the lecture was delivered by Dr. Hymavathi



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on 28th February 2025. The session emphasized the significance of sports in daily life and highlighted safety measures during sports activities.



March-2025

4. ENCURSO 2K25 National-Level Technical Symposium-Organized by the Department of Electrical and Electronics Engineering, UCEK, JNTUK, ENCURSO 2K25 celebrated ideas, creativity, and engineering spirit. The symposium featured hands-on workshops on Drone Technology, IoT, Electric Vehicles, and MATLAB Simulation, along with exciting events such as Paper Presentation, Project Expo, Watt-A-Quiz, and Photography Contest, providing students with vibrant platforms to showcase their skills and talents.





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April-2025

5. Group Discussion Session-Club Activity-The Communication and Leadership Club at the Student Activity Center successfully organized a Group Discussion session with 40 participants from 1st and 3rd year. Students engaged in discussions on topics related to Electrical and Electronics Engineering, enhancing their communication, critical thinking, and teamwork skills.



6. Coding Competition (Quiz) on C Programming -Club Activity-The Innovation and Coding Club, SAC, EEE Department, conducted a Coding Competition on C Programming for I, II, and III B.Tech students. Participants demonstrated their coding skills and problem-solving abilities throughout the event.



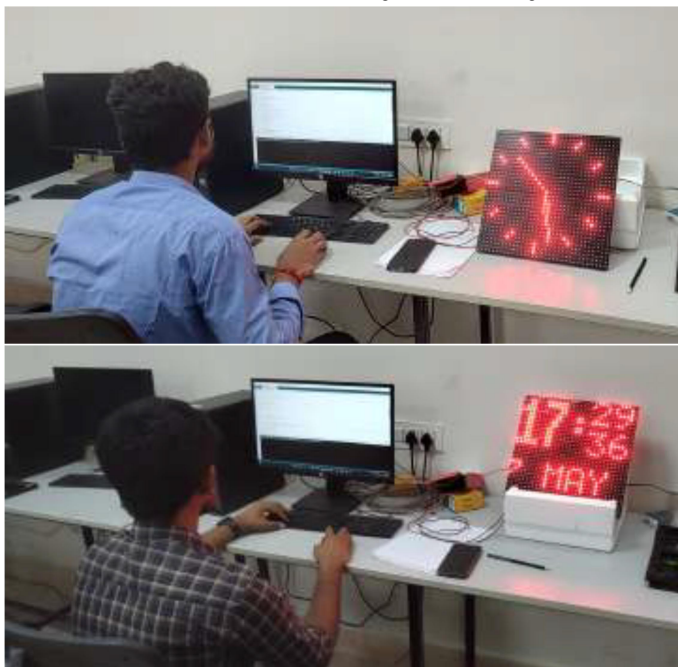


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7. IDEA Lab Student Projects – Student Initiative / Project Development – At the IDEA Lab, EEE Department, third-year students Y. Tejeswara Rao, R. D. Pavan Kumar, G. Naveen Sai, T. Mohan Krishna, and J. Mukesh Babu developed innovative display systems including LED clocks, scrolling text boards, and RGB panel displays using Arduino and ESP32 modules, demonstrating their enthusiasm for electronics and embedded systems beyond the curriculum.



May-2025

8. Faculty Development Program on “IoT and Its Applications in Electrical Engineering” – Organized by the Department of EEE, UCEK(A), JNTUK, Kakinada in association with the Department of EEE, PACE Institute of Technology and Sciences (PACEITS), Ongole, the 5-day offline FDP focused on the Internet of Things (IoT) and its applications in Electrical Engineering. The program included hands-on sessions and discussions on recent technologies to enhance faculty skills. Dr. K. Venkata Reddy, Professor, Dept. of EEE, UCEK(A), JNTUK, coordinated the FDP, with Mr. B. Nagaraju, Assistant Professor, Dept. of EEE, PACEITS, Ongole, as co-coordinator. Dr. Venkata Reddy was honoured for his exemplary coordination.

June-2025

9. Faculty Development Program on “Empowering Future Needs – AI Driven Electric Vehicles in Smart Grid Systems: Challenges and Opportunities” – Organized by the Department of EEE, UCEK, JNTUK, Kakinada, in association with the



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Department of EEE, SRK Institute of Technology, Enikepadu, the one-week offline FDP focused on AI-driven innovations in Electric Vehicles and Smart Grid Systems, exploring emerging challenges and opportunities in future power and mobility sectors. The program was coordinated by Dr. Ch. Sai Babu, Professor, UCEK, and Mr. S. Nageswara Rao, Assistant Professor & Head, EEE, SRKIT.

10. Faculty Development Program on “Applications of Artificial Intelligence in Electrical Engineering: An Academic and Research Perspective” – Organized by the Department of EEE, UCEK, JNTUK, Kakinada, in collaboration with the Department of EEE, Sri Vasavi Engineering College (Autonomous), Tadepalligudem, the 5-day offline FDP focused on integrating Artificial Intelligence techniques in Electrical Engineering for academic and research advancements. The program was coordinated by Dr. T. Murali Mohan, Professor, UCEK, and Dr. D. Sudha Rani, Professor & Head, EEE, SVEC.
11. Faculty Development Program on “Sustainable Drives: Renewable Energy Solutions for Electric Vehicle Systems” – Organized by the Department of EEE, UCEK, JNTUK, Kakinada, in association with the Department of EEE, Vishnu Institute of Technology (VIT), Bhimavaram, the 5-day offline FDP focused on renewable energy-based drive technologies and sustainable solutions for electric vehicle systems, promoting awareness and research in green mobility. The program was coordinated by Dr. T. Murali Mohan, Professor, UCEK, and Dr. R. V. D. Ramarao, Professor & Head, EEE, VITB.
12. Faculty Development Program on “Nanotechnology Applications to Electrical Engineering” – Organized by the Faculty Development Centre, JNTUK, in association with the Department of EEE, UCEK (A), JNTUK, Kakinada, and the Department of EEE, Swarnandhra College of Engineering & Technology (A), Narsapur, the 5-day FDP focused on cutting-edge nanotechnology applications in electrical engineering, highlighting advanced materials, devices, and their integration in power and energy systems. The program was coordinated by Dr. N. Sumathi, Associate Professor, Dept. of EEE, UCEK, JNTUK.



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Departmental Events (July-September 2025)

August-2025

1. III B.Tech and IV B.Tech students attended a program on "Innovation in Industry 4.0 & 5.0 Technologies, Incubation and Acceleration Support for Students and Faculty," organized by the Design Innovation Centre, JNTUK, under AIC ALEAP WEHUB and MeitY Tide 2.0, held on 26th August, 2025, from 11:00 AM to 2:00 PM.
2. II, III, and IV B.Tech students actively participated in an engaging session on Avishkarandra on 20th August 2025, providing valuable insights into emerging innovations and the future of technology. The program was inaugurated by the Hon'ble Chief Minister and conducted in collaboration with the Ratan Tata Innovation Hub (RITH) across five cities in Andhra Pradesh to promote innovation in the state.
3. B.Tech students from all years actively participated in the "Swarna Andhra-Swachh Andhra: Monsoon Hygiene Activity" on 23rd August 2025. They enthusiastically cleaned the department premises and surroundings, promoting hygiene, teamwork, and social responsibility during the monsoon season.



4. II and III B.Tech students participated in a 2-day hands-on workshop on UAV Design, Assembly, and Flight Operations on 18th-19th September 2025. Organized by the School of Avionics, IST, JNTUK, under the Design Innovation Centre, in collaboration with TiHAN IIT Hyderabad and IIITDM Kurnool.



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5. A two-day workshop on “Smart Grid based Micro-grid Design & Development” was organized by the EEE Department, University College of Engineering, Kakinada (A), JNTUK, in collaboration with Vellore Institute of Technology, under the convenorship of Dr. K. Venkata Reddy, Professor & Head of the Department. The workshop, held on 22nd-23rd September 2025 at the JNTUK EEE Department, was attended by M.Tech, IV B.Tech students, and faculty, with resource persons Dr. M. Venkatesan, Associate Professor, and Dr. A. Srinivas Rao, Assistant Professor, from NIT Andhra Pradesh.





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Departmental Events (October-December 2025)

October-2025

1. The Department of EEE, UCEK (A), JNTUK, organized a two-day workshop on “AI/ML Applications in Electrical Engineering” on 24th and 25th October 2025. The workshop featured expert lectures by faculty members from IIT Patna and IIT Bhubaneswar, highlighting the role of Artificial Intelligence and Machine Learning in modern electrical engineering applications.

November-2025

2. Industrial Visit – IV B.Tech EEE students visited the Heavy Plates and Vessels Plant, BHEL, as part of an industrial trip, gaining exposure to large-scale manufacturing processes and industrial operations.



3. Service Program at NTR Beach On 5th November 2025, III B.Tech EEE students participated in a service program organized by the Indian Red Cross Society at NTR Beach, creating awareness on cleanliness and environmental responsibility and taking part in a beach cleaning drive.



4. Swachh Andhra Program-On the third Saturday of November 2025, students of the department actively participated in a cleanliness drive as part of the Swachh Andhra Program. The activity focused on cleaning the departmental surroundings and promoting



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awareness on hygiene, cleanliness, and environmental responsibility within the academic campus.



December-2025

5. Career Guidance Program: The Department of Electrical & Electronics Engineering, JNTUK, in collaboration with the 2017–2021 EEE Alumni Batch, organized an online Career Guidance Program on 7th December 2025 for II, III, and IV B.Tech students. The session covered various career pathways including GATE/IES, higher studies, MBA, MS abroad, software and IT careers, and Civil Services. Alumni shared their experiences and guided students in planning their future academic and professional pursuits.
6. Online Panel Discussion: III and IV B.Tech EEE students attended an online panel discussion titled “GATE Aspirants: Challenges, Opportunities & Success Stories” organized by the IEEE India Council Women in Engineering (WIE) and Student Activities Coordination Team on 16th December 2025. The session featured GATE qualifiers who shared their preparation strategies, experiences, and insights, providing students with valuable guidance on GATE preparation and related academic and career opportunities.