



**DEPARTMENT OF
ELECTRONICS AND COMMUNICATION ENGINEERING
UNIVERSITY COLLEGE OF ENGINEERING KAKINADA (A)
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**

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VISION/MISSION

VISION

To remain a symbol of pride in the fields of Electronics and Communication Engineering by producing holistic and diligent Engineers for industrial and societal needs.

MISSION

M1: To produce high quality learners who are globally competitive and professionally challenged in the field of Electronics and Communication Engineering.

M2: To offer educational programmes that imparts inventive knowledge with high levels of ethical and human values.

M3: To provide a platform to acquire and implement innovative ideas in research and development.

M4: To build up the state of art laboratories and centers of excellence in different areas of Electronics and Communication Engineering.

M5: To train the students and faculty to update their knowledge in pioneering technologies to meet industrial requirement.

DEPARTMENT ACTIVITIES

AVANTEL CENTRE OF EXCELLENCE IN SIGNAL PROCESSING & COMMUNICATIONS 04-01-2026

The AVANTEL Centre of Excellence (CoE) in Signal Processing and Communications was inaugurated on 4th January 2026 at the Department of Electronics and Communication Engineering, Jawaharlal Nehru Technological University Kakinada. This initiative, established in collaboration with Avantel Limited, aims to create a platform for advanced learning, research, and innovation in the fields of communication systems and signal processing. The CoE is designed to bridge the gap between academic knowledge and industry requirements by providing students with access to modern tools, technologies, and real-time applications.



The inauguration ceremony was held in the presence of Prof. C. S. R. K. Prasad, Hon'ble Vice-Chancellor of JNTUK, and Dr. A. Vidyasagar, Founder & CMD of Avantel Ltd. The event highlighted the importance of industry-academia collaboration in enhancing technical competencies and promoting research-driven education. The Centre of Excellence is expected to offer hands-on training, internship opportunities, and collaborative research projects, thereby empowering students to meet the evolving demands of the electronics and communication industry.

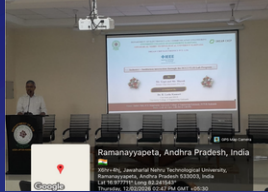


DEPARTMENT ACTIVITIES

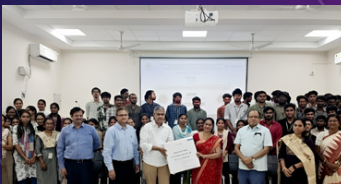
DREAMCHIP TECHNOLOGIES

12-02-2026

On 12th February 2026, an expert session on “VLSI Design and Semiconductor Technologies in Line with Current Industry Requirements” was organized for the students of the Department of Electronics and Communication Engineering. The session was delivered by Mr. Murali Bulusu from Sankhya Technologies, Visakhapatnam, along with Mr. Gopi, Chair – SCCI, Dreamchip Electronics. The program aimed to provide students with industry-oriented knowledge and insights into the rapidly evolving semiconductor domain.



During the session, the speakers discussed key concepts of VLSI design, current trends in semiconductor technologies, and the skills required to meet industry expectations. They highlighted practical challenges, design methodologies, and real-time applications in modern electronics systems. The interactive session enabled students to clarify their doubts and gain valuable guidance on career opportunities in the VLSI and semiconductor industry. Around 120 students attended the session and actively participated in the interaction. Overall, the session was highly informative and helped students align their academic learning with current industry demands.



DEPARTMENT ACTIVITIES

EMPOWERING CAREERS THROUGH INTERNSHIPS AND STARTUPS”

20-02-2026

On 20th February 2026, an insightful session on “Internships and Startups for Skill Development and Employability” was organized for the students of the Department of Electronics and Communication Engineering. The session was delivered by Sri. Madina Kiriti, Co-Founder and Executive Head of Robic Rufarm India Pvt. Ltd..



The program was organized under the guidance of Dr. B. Leela Kumari, Head of the Department (ECE), whose efforts ensured the successful conduct of the event. The session aimed to guide students on the importance of internships, practical exposure, and entrepreneurial thinking in today's competitive job market.



During the session, the speaker emphasized the role of hands-on experience, innovation, and skill development in enhancing employability. He shared valuable insights into startup culture, challenges faced by entrepreneurs, and strategies to convert ideas into successful ventures. The interactive session encouraged students to explore internship opportunities, develop problem-solving skills, and consider entrepreneurship as a career option. Around 80 students attended the session and actively participated in the discussion. Overall, the session was highly motivating and provided a clear direction for students to build their careers effectively.



DEPARTMENT ACTIVITIES

CONSTITUTION OF IETE ADHOC BODY IN THE PRESENCE OF GC MEMBERS FROM IETE DELHI

18-03-2026

The IETE Faculty Meeting was conducted on 18th March 2026 in the Department of Electronics and Communication Engineering to plan and organize technical activities such as workshops, seminars, and student engagement programs. Faculty members discussed strategies to enhance technical learning and promote active participation in IETE initiatives, making the session productive and focused on future academic development.



CYBER SECURITY AWARENESS PROGRAM UNDER SANCHAR MITRA 2.0 INITIATIVE

07-03-2026

The Department of Electronics and Communication Engineering organized a Cyber Security Awareness Program under the Sanchar Mitra 2.0 initiative on 07-03-2026 and 11-03-2026. The program was conducted under the convenorship of Dr. B. Leela Kumari, HoD of ECE. As part of the activity, students delivered PowerPoint presentations on various cyber security topics, focusing on major cyber threats, emerging challenges, and effective solutions for ensuring safe digital practices. The presentations helped in creating awareness about phishing attacks, data breaches, online frauds, and preventive measures for secure internet usage.



Ms. Nageswari, a final-year student, served as the Student Mentor and guided the participants throughout the program. The event successfully enhanced students' understanding of cyber safety and encouraged the responsible use of digital technologies in everyday life.



DEPARTMENT ACTIVITIES

ESPARX 2K26

28--03-2026 TO 29-03-2026

On 18th March 2026, the official poster for ESPARX–2026 was released by Dr. K. Padma Raju, Principal of Jawaharlal Nehru Technological University Kakinada. The event marked the formal announcement of the upcoming technical fest, generating excitement and enthusiasm among students and faculty members.



ESPARX–2026, the much-awaited technical fest, was inaugurated by Dr. K. Padma Raju, Principal of Jawaharlal Nehru Technological University Kakinada. The fest was held on 28th and 29th March 2026, bringing together students to showcase their technical skills, creativity, and innovative ideas. The inauguration ceremony marked the beginning of two days filled with enthusiasm, learning, and competition.



The fest featured a variety of technical events, cultural activities, and hands-on workshops that provided practical exposure to emerging technologies. These workshops enabled students to gain real-time experience and enhance their technical knowledge. The event served as a platform for innovation, collaboration, and skill development, making ESPARX–2026 a grand success.



DEPARTMENT ACTIVITIES

TECHNICAL WORKSHOPS AT ESPARX-2026

HANDS-ON IOT WORKSHOP FOR PRACTICAL LEARNING

27--03-2026 TO 29-03-2026

A three-day IoT workshop was conducted from 27th to 29th March 2026 as part of ESPARX-2026. Around 150 students participated in the workshop, which provided hands-on experience in IoT applications, including sensor interfacing and real-time data handling. Students learned how to build basic IoT projects and understand system integration. The workshop enhanced practical skills and provided exposure to real-world applications of emerging technologies.



CADENCE WORKSHOP FOR VLSI DESIGN

28--03-2026 TO 29-03-2026

A two-day workshop on Cadence was conducted on 28th and 29th March 2026 as part of ESPARX-2026. Around 100 students participated in the workshop, which focused on introducing students to Electronic Design Automation (EDA) tools used in VLSI design and circuit simulation. Participants were trained in schematic design, simulation, and analysis using Cadence, enabling them to understand industry-standard design workflows.



PCB DESIGN: FROM CIRCUIT TO BOARD

28--03-2026 TO 29-03-2026

A two-day workshop on PCB Design was conducted on 28th and 29th March 2026 as part of ESPARX-2026. Around 80 students participated in the workshop, which focused on the fundamentals of printed circuit board design, including layout creation, component placement, and routing techniques. Participants gained hands-on experience in designing PCB layouts using industry-relevant tools.



DEPARTMENT ACTIVITIES

BUILDING BONDS BEYOND CLASSROOMS

14-03-2026

On 14th March 2026, the students of the Department of Electronics and Communication Engineering celebrated Senior–Junior Friendship Day with great enthusiasm and joy. The event was organized to strengthen the bond between seniors and juniors, promoting unity, mutual support, and a positive academic environment. Various fun-filled activities, interactive sessions, and ice-breaking games were conducted to encourage communication and teamwork among students.



B.TECH PROJECT REVIEWS

20-02-2026

The B.Tech Project Review Sessions were conducted on 20th February 2026 to evaluate the progress and quality of student projects. Participants presented their work and received constructive feedback from faculty, helping them refine their ideas, improve implementation, and prepare effectively for final evaluation.



M.TECH PROJECT REVIEWS

23-03-2026

The M.Tech 1st Year Mini Project Reviews were conducted on 23rd March 2026 to assess the progress and quality of student projects. Students presented their work and received valuable feedback from faculty, helping them refine their concepts, improve implementation, and enhance their technical skills.



DEPARTMENT ACTIVITIES

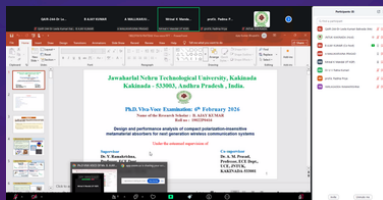
MTECH DISSERTATION-I REVIEW SESSIONS

The M.Tech Dissertation–I Review Sessions were conducted for M.Tech students to evaluate the progress of their research work. Students presented their dissertation objectives, methodology, and initial findings, while faculty members provided constructive feedback for improvement. The reviews helped students refine their research approach, enhance technical depth, and ensure steady progress toward successful completion.



Ph.D Awardees

The awardees, Mr. Mahesh Gatram (Roll No. 19022Po435), Mr. Venkateswarao N (Roll No. 18022Po419), and Mr. Veetaiah Neenavath (Roll No. 15022Po478), successfully completed their Ph.D. Viva Voce examinations for their respective research works under the guidance of Dr. K. Rajasekhar and Dr. B.T. Krishna. Their research contributions were presented/submitted during the period from January to March 2026 in the areas of wireless communications, adaptive radio systems, and ad hoc networks.



- Ph.D. Viva-Voce Examination of Mr. B. Ajay Kumar was successfully conducted on 6 February 2026 at JNTU Kakinada for his research on compact polarization-insensitive metamaterial absorbers for next-generation wireless communication systems, under the supervision of Dr. V. Ramakrishna and Dr. A. M. Prasad.

DEPARTMENT ACTIVITIES

INITIATION OF MOU AND ESTABLISHMENT OF CENTRE OF EXCELLENCE IN MARINE NAVIGATIONAL AND COMMUNICATION (MNC)

The Department of Electronics and Communication Engineering initiated a significant academic and research collaboration through the Memorandum of Understanding (MoU) and the establishment of a Centre of Excellence (CoE) in Marine Navigational and Communication (MNC). This initiative also includes the formation of a Research and Training Unit for Navigational Electronics in association with Osmania University, Hyderabad on 31st January 2026.



The collaboration aims to promote research and skill development in marine navigation and communication technologies. The Centre of Excellence provides opportunities for interdisciplinary research, industry interaction, and practical training.

EXPERT VISIT

Prof. Venkata Mani V from National Institute of Technology Warangal visited the Department of Electronics and Communication Engineering at Jawaharlal Nehru Technological University Kakinada. During the visit, he interacted with faculty and students and observed the academic and research activities of the department. The visit provided an opportunity for knowledge sharing and academic interaction.



ALUMINI VISIT- ECE MUSEUM

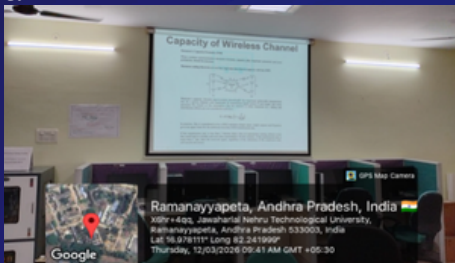
On 17th February 2026, alumni Mahaboob Basha visited the ECE Museum of the Department of Electronics and Communication Engineering. Dr. B. Leela Kumari welcomed the alumnus, and the visit provided an opportunity to showcase the department's achievements, projects, and ECE technology exhibits.



DEPARTMENT ACTIVITIES

LECTURE ON 5G COMMUNICATION AND LABORATORY DEMONSTRATION UNDER SANCHARA MITRA INITIATIVE

Lecture on 5G Communication and Laboratory Demonstration under Sanchara Mitra Initiative (11-03-2026 & 12-03-2026). The Department of Electronics and Communication Engineering organized a technical session on “5G Communication and Laboratory Demonstration” as part of the Sanchara Mitra initiative on 11-03-2026 and 12-03-2026. The program was conducted by Dr. B. Leela Kumari, HoD of ECE, who delivered an insightful lecture on the fundamentals, architecture, and advancements of 5G communication technology.



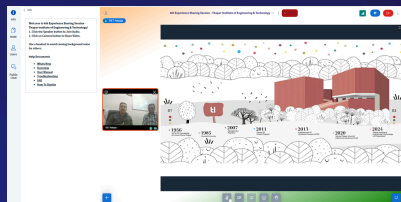
The session also included a laboratory demonstration, where students were exposed to practical aspects of 5G systems and their real-time applications. The demonstration helped bridge the gap between theoretical concepts and practical implementation. The program enhanced students' understanding of next-generation communication technologies and their significance in modern wireless networks.

6TH EXPERIENCE SHARING SESSION - THAPAR INSTITUTE OF ENGINEERING & TECHNOLOGY

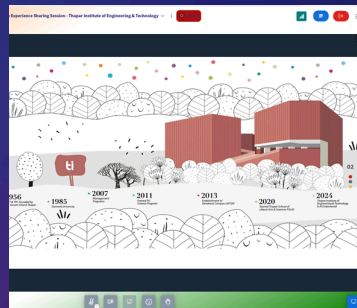
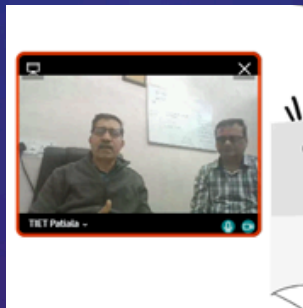
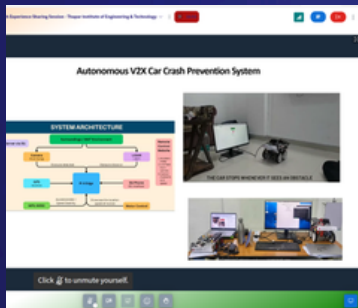
As part of the Sanchara Mitra initiative, an Experience Sharing Session was conducted on 5G-Enabled Multi-Sensor-Based Autonomous Delivery Robots (ADRs). The presentation was delivered by the research team comprising Manveer Singh, Manibha sood, Disha Singla, Anshu, Dr. Hemdutt Joshi, Dr. Kulbir Singh, and Dr. R. K. Durvedi.



The session highlighted the development of an industrial-grade Autonomous Mobile Robot (AMR) designed for material transportation in dynamic indoor environments. The robot incorporates integrated storage drawers, advanced navigation capabilities, and a multi-modal sensor fusion framework for accurate localization, obstacle detection, and path planning. The system was successfully validated through real-world deployment scenarios.



A major contribution of the work is the utilization of 5G technology to enable low-latency, high-speed communication between onboard sensors, robotic platforms, and control systems. This facilitates real-time data exchange, improves coordination, and enhances the efficiency of autonomous delivery operations. The session provided valuable insights into autonomous robotics, sensor fusion, and the role of 5G networks in enabling next-generation smart industrial applications.



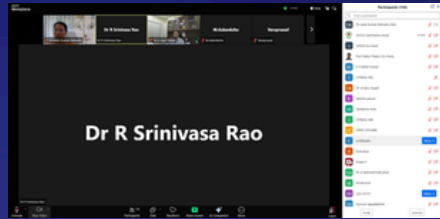
The session also emphasized the growing importance of intelligent automation in modern industries and smart manufacturing environments. The speakers discussed the challenges involved in autonomous navigation, sensor integration, and real-time decision-making, while highlighting how emerging technologies such as Artificial Intelligence (AI), Internet of Things (IoT), and 5G communication can work together to create efficient and reliable robotic systems. The presentation offered valuable learning opportunities for students and researchers interested in robotics, wireless communication, and next-generation autonomous technologies, inspiring further exploration and innovation in these fields.

FACULTY DEVELOPMENT PROGRAMMES

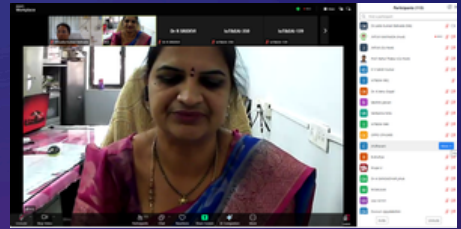
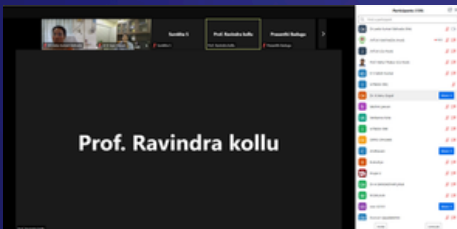
TWO-WEEK FACULTY DEVELOPMENT PROGRAMME ON “INTERNET OF THINGS AND EDGE AI”,

20-02-2026 TO 01-03-2026

The Department of Electronics and Communication Engineering, University College of Engineering, Kakinada (JNTUK), successfully organized a Two-Week Faculty Development Programme on “Internet of Things and Edge AI” from 20th February 2026 to 01st March 2026. The programme aimed to enhance faculty knowledge and practical skills in emerging technologies such as IoT architectures, edge computing, and AI-driven embedded systems.



The event was conducted under the esteemed guidance of Prof. C. S. R. K. Prasad, Hon'ble Vice Chancellor, JNTUK. The programme was led by Dr. B. Leela Kumari, Head of the Department, ECE, who provided continuous support and direction for its successful execution.



The FDP was effectively coordinated by Dr. A. Rajini, Coordinator, who managed the sessions, resource persons, and overall scheduling of the programme. The event witnessed active participation from faculty members across various institutions, making it a highly enriching and impactful academic initiative.

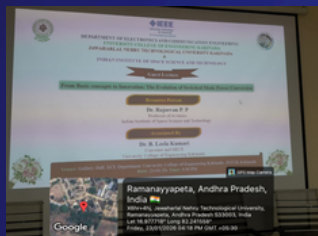
The programme witnessed active online participation from faculty members of various colleges and universities across different regions, making it a truly collaborative and interactive learning platform. Participants benefited from expert lectures, hands-on sessions, and discussions, which enriched their understanding of IoT and Edge AI technologies and their real-time applications in engineering domains.

GUEST LECTURES

EVOLUTION AND INNOVATION IN SWITCHED MODE POWER CONVERSION

23-01-2026

On 23-01-2026, a technical expert talk was organized on the theme “From Basic Concepts to Innovation: The Evolution of Switched Mode Power Conversion”. The session was delivered by Prof. Rajeevan P.P., Professor of Avionics, from the Indian Institute of Space Science and Technology. He provided a comprehensive overview of the fundamental principles of switched mode power conversion and its progressive advancements from basic circuit concepts to modern high-efficiency power electronic systems used in aerospace and space applications. The talk emphasized key innovations, design challenges, and real-world avionics applications, offering valuable insights into how power electronics has evolved to meet the demands of advanced engineering systems.



The session also highlighted recent research trends in high-frequency converters, soft-switching techniques, and energy-efficient power management strategies. Participants gained an understanding of how these advancements contribute to improved performance, reduced losses, and enhanced reliability in modern aerospace power systems.



The lecture encouraged students to explore innovation in power electronics and its growing importance in space and avionics applications. It also motivated participants to focus on research-oriented learning and real-time engineering problem solving.

GUEST LECTURES

EXPERT LECTURE ON EXPLORING OPPORTUNITIES IN SEMICONDUCTOR INDUSTRY: PATHWAYS TO SUCCESS 24-03-2026

An Expert Lecture was organized on the theme “Exploring Opportunities in Semiconductor Industry: Pathways to Success” under the Department of Electronics and Communication Engineering on 24th March 2026. The session was delivered by Mr. Vasudeva Surya (Industry Expert / Acharya Conceptual Learning). The program was organized under the guidance of Dr. B. Leela Kumari, Head of the Department, ECE. The lecture provided valuable insights into career opportunities, industry trends, and required skill sets in the semiconductor domain. It guided students on emerging technologies and the future scope in core electronics industries, helping them understand industry expectations and pathways for success.



The expert highlighted the rapid growth of the semiconductor industry and its critical role in modern technologies such as artificial intelligence, communication systems, IoT, and VLSI design. He emphasized the importance of strong fundamentals in electronics, problem-solving skills, and continuous learning to succeed in this competitive field. The session also covered various career pathways in semiconductor design, fabrication, testing, and research sectors. Students were encouraged to upskill in emerging tools and technologies to meet industry demands and enhance employability.



GUEST LECTURES

INNOVATIVE TEACHING PRACTICES THROUGH GUEST LECTURES: RESEARCH AND CAREER OPPORTUNITIES 27-01-2026,

On 27-01-2026, a session was conducted focusing on innovative teaching practices through guest lectures and their role in enhancing research and career opportunities. The program highlighted how modern teaching methodologies, including expert talks and interactive learning, bridge the gap between academics and industry expectations. It emphasized the importance of experiential learning and knowledge sharing beyond traditional classroom teaching.



The session also discussed various research opportunities available for students and faculty in emerging engineering domains. Participants were guided on how guest lectures provide exposure to current technological trends and help in identifying potential career paths in research institutions, core industries, and higher education. The importance of continuous upskilling and active participation in academic events was also stressed.



The session motivated students and faculty to actively participate in seminars, workshops, internships, and collaborative research activities to enhance their technical and professional competencies. Resource persons shared valuable insights on career planning, higher education opportunities, research funding, and emerging trends in engineering and technology. The importance of innovation, interdisciplinary learning, and industry-oriented skill development was emphasized to prepare participants for competitive career environments. The session also highlighted the role of guest lectures in improving communication skills, expanding professional networks, and encouraging lifelong learning among students and educators.

FACULTY ACHIEVEMENTS



Promotions were given to faculty members on 27th January 2026 in recognition of their academic excellence and contributions. Five Professors, Dr. S. Srinivas Kumar, Dr. K. Padma Raju, Dr. A. M. Prasad, Dr. M. Sailaja, and Dr. N. Balaji, were promoted as Senior Professors. This achievement highlights their dedication to teaching, research, and institutional development.



On 27th January 2026, seven Assistant Professors were promoted to the position of Associate Professors in recognition of their academic excellence and contributions. The faculty members include Dr. P. Vinay Kumar, Dr. K. Rama Devi, Dr. K. Durga Ganga Rao, Dr. K. Rajasekhar, Dr. R. Madhu, Dr. P. Pushpalatha, and Dr. K. Jhansi Rani. This promotion reflects their dedication to teaching, research, and institutional development.



- Prof.U.V Ratna Kumari has been awarded a Research Project Scheme(RPS)grant of 39Lakh for carrying out research in the area of Antenna Design and Technology

FACULTY PUBLICATIONS (CONFERENCES / JOURNALS)

CONFERENCES

- **Dr. U. V. RatnaKumari** published a research paper titled “Design of a compact Multiband PIFA antenna for IoT Systems” in the IEEE EDS technically Sponsored International Conference on Intelligent processing Hardware Electronics, in February 2026.

JOURNALS

- **Dr. B. T. Krishna** published a research paper titled “Interference-Resilient Design of Aperiodic Phased Arrays for 5G Application Using Modified Laplacian Invasive Weed Optimization” in the Advances in Science and Technology Research Journal, in January 2026
- **Dr. B. T. Krishna** published a research paper titled “A novel hybrid machine and deep learning approach for brain tumor classification based patient survival time prediction” in the Knowledge Based Systems, in February 2026.
- **Dr. U. V. Ratna Kumari** published a research paper titled “Deployment of Joint source channel coding for future 6G Network Performance” in the Springer Nature, in February 2026.
- **Dr. K. Rama Devi** published a research paper titled “Strategies for thermal management in lithium ion batteries: mitigating thermal runaway risks” in the Scopus, in January 2026.
- **Dr. K. Rajasekhar** published a research paper titled “Advanced Ocular Diseases Classification Using Adaptive And Region Attention Based Pyramid Dilated Efficient Netb7 Model With Severity Estimation” in the International Journal of Image and Graphics, in January 2026.
- **Dr. R. Madhu** published a paper titled "Ergodic capacity analysis of multi-user STAR-RIS-NOMA Systems over nakagami-m-fading under hardware impairments" in Engineering Research Express on 9th March 2026.

- **Dr. R. Madhu** published a paper titled "A PCA-PSO-tuned inverse ELM Framework for multi-objective antenna design for wi-fi 6E IoT Applications" in Engineering Research Express on 25th March 2026.
- **Dr. P. Pushpa Latha** received a UK design patent for the "AI based wireless electricity consumption monitoring and saving device" on 17th March 2026.
- **Dr. P. Pushpa Latha** published a book titled "Electronic devices and circuits: fundamental and applications" in the Deccan International Academic Publishers, in January 2026.
- **Dr. P. Pushpa Latha** published a book titled "Internet of things: architecture and applications" through ICAP in March 2026.

FACULTY ACHIEVEMENTS

- **Dr. K. PadmaRaju** was appointed as Principal UCEK, JNTUK, on 27-02-2026.
- **Dr. A. Rajani** successfully completed a self-paced course on "IOT Applications with sensors, embedded systems & Data analytics" from EICT Academy, IIT Roorkee on 27th March 2026.

PROFESSIONAL DEVELOPMENT

EVENTS ORGANIZED

- **Dr. B. Leela Kumari** conducted "Digital Speech Coding" at the Department of ECE, UCEK, JNTUK, on 17th January 2026.
- **Dr. B. Leela Kumari** acted as Convenor for a Guest Lecture on "The Evaluation of Switched Mode Power Conversion from Basic Concepts to Innovation" at the Department of ECE, UCEK, JNTUK, by Dr. Rajeevan P, Professor of Avionics, on 23rd January 2026.
- **Dr. B. Leela Kumari** acted as Convener for Pre-Talks & 8 Viva Voce at the Department of ECE, UCEK, JNTUK, conducted on 3rd, 6th, 9th, 13th, 17th, 23rd, 24th & 27th January 2026.
- **Dr. B. Leela Kumari** organized a Guest Lecture by Dr. B. Anuradha, Professor of ECE, SVCE, on "Research and Career Opportunity" at the Department of ECE, UCEK, JNTUK, on 27th January 2026.

- **Dr. B. Leela Kumari** organized a Guest Lecture on “Marine Navigations in Communications” at the Department of ECE, UCEK, JNTUK, by Dr. A. D. Sarma, Former Director & Advisor (R&D), OU Hyderabad, on 31st January 2026.
- **Dr. B. Leela Kumari** acted as Convenor for Ph.D Interviews at JNTUK, held from 02nd February 2026 to 04th February 2026.
- **Dr. B. Leela Kumari** acted as Convener for RRM's conducted at the Department of ECE, UCEK, JNTUK, on 5th February 2026.
- **Dr. B. Leela Kumari** acted as Convener for a Guest Lecture on Internships & Start-ups for Skill Development and Employability organized by the Department of ECE, UCEK, by MADINA KIRITI on 19th February 2026.
- **Dr. B. Leela Kumari** participated in Industry Interaction to Establish a New VLSI Lab by Dream Chip Electronics, Visakhapatnam at the Department of ECE, UCEK, JNTUK, on 12th February 2026.
- **Dr. B. Leela Kumari** organized of conducting Swachhta day every month 3rd saturday at department of ECE.
- **Dr. B. Leela Kumari** acted as Convener for a Guest lecture on CAREER Guidance by Vasudeva Surya, Industrialist and Career guide, at the ECE Department, UCEK, JNTUK, on 24th March 2026.
- **Dr. B. Leela Kumari** acted as Convener for the workshop on Embedded Systems, IoT & Smart drone development using AI conducted from 27th to 29th March 2026 at the ECE Department, UCEK, JNTUK.
- **Dr. B. Leela Kumari** acted as Convener for the two-day workshop on Cadence on 28th & 29th March 2026 at the ECE Department, UCEK, JNTUK.
- **Dr. B. Leela Kumari**, acting as Convener, conducted a two-day workshop on PCB Design on 28th & 29th March 2026 at the ECE Department, UCEK, JNTUK.

- *Dr. B. Leela Kumari*, acting as Convener, conducted a two-day workshop on Tech Expo on 28th & 29th March 2026 at the ECE Department, UCEK, JNTUK.
- *Dr. B. Leela Kumari, Dr. S. Srinivasa Kumar, and Dr. K. Padma Raju* visited AMTZ Industry & Avantel Industry, Visakhapatnam, for Industry Collaboration on 5th March 2026.
- *Dr.B.Leela Kumari, Dr. M. Sailaja, Dr.U.V.Ratna Kumari* participated in Swachhta Day (Clean and Green Activity) at the Department of ECE, UCEK, JNTUK, on 21st February 2026.
- *Dr. P. Pushpa Latha* acted as Coordinator for the CADENCE workshop on 28th & 29th March 2026 at the ECE Department, UCEK, JNTUK.
- *Dr. K. Jhansi Rani*, acting as Coordinator, organized the “Quiz” program for Esparx 2K26 on 28th & 29th March 2026 at the ECE Department, UCEK, JNTUK.
- *Dr. A. Rajani* served as the Esparx 2K26 Coordinator on 28th & 29th March 2026 at the ECE Department, UCEK, JNTUK.
- *Dr. A. Rajani* acted as Coordinator for the workshop on Embedded Systems, IoT and Drone technology using AI conducted from 27th to 29th March 2026 at the ECE Department, UCEK, JNTUK.

FDPs/WORKSHOP ATTENDED

- *Dr. B. Leela Kumari, Dr. M. Sailaja, Dr. U.V. RatnaKumari, Dr. P. VinayKumar, Dr. K. RamaDevi, Dr. P. Pushpa Latha, Dr. K. Jhansi Rani, Dr. K. Durga Ganga Rao, Dr. R. Madhu, Dr. A. Rajani, Sri K. Harikrishna, Dr. Y. Gowthami, Smt. A.D. Bhavani, Smt. Ch. KrishnaVeni, Smt. B. Prasanthi, Sri S. Nagarjuna, and Smt. T.V Ramani* participated in a Two-Week Faculty Development Programme on Internet of Things and Edge AI organized by the Department of ECE, UCEK & IQAC & Capacity Building, JNTUK via Online Mode from 20th February to 1st March 2026.

- **Dr. K. Padma Priya** participated in the Nurturing Future Leadership Program under the agencies of MMTP, Ministry of Education, G.O.I at IIM Shillong from 9th February to 13th February 2026.
- **Dr. P. Vinay Kumar** attended a Refreshment course on Machine Learning at the Malaviya Mission Teacher Training Center, Indian Institute of Information Technology Design and Manufacturing (IIITDM), Kancheepuram, Chennai, from 16th March to 28th March 2026.
- **Dr. A. Rajani** participated in a 6-day National Level FDP on “Exploring Emerging Trends in Information Technology” organized by NUCLIFIC EDUCATION Pvt Ltd, Coimbatore, Tamilnadu via Online Mode from 13th February to 18th February 2026.
- **Sri S. Nagarjuna and Smt. T.V. Ramani** participated in a one-week symposium on “Next-Gen VLSI Design for the Semiconductor Era: Current Trends, Challenges and Hands-On industry Training” organized by GVP College of Engineering, Visakhapatnam and VLSI Society of India (VSI) from 9th March to 13th March 2026.

Ph.D Awardees

- **Mr. Mahesh Gatram** bearing Roll No: 19022Po435 presented the work titled “Design and Performance Analysis of Wideband Microstrip Antennas using Metamaterials for Wireless Applications” under the guidance of Dr. K. Rajasekhar, on 08th January 2026 at 11:00 A.M (online).
- **Venkateswarao N**, bearing Roll No: 18022Po419, submitted research work with the title “Performance Analysis of Automatic Modulation Recognition using Pattern Recognition Methods for Next Generation Adaptive Radio Systems” on 5th March 2026 under the guidance of Dr. B.T. Krishna.
- **Veetaiah Neenavath**, bearing Roll No: 15022Po478, submitted research work with the title “Optimal Energy Efficient Multi Path Routing and Intrusion Detection in Adhoc Networks” on 10th March 2026 under the guidance of Dr. B.T. Krishna.

COMMUNITY ENGAGEMENT

EVERY MONTH 3RD SATURDAY

The Clean and Green Program was conducted on the 3rd Saturday of January 2026 under the guidance of Dr. B. Leela Kumari, HoD of ECE. Students actively participated in maintaining campus cleanliness and promoting environmental awareness.



The program was held on the 3rd Saturday of February 2026, focusing on tree plantation and waste management awareness activities. Students were encouraged to adopt eco-friendly practices in their daily lives.



On the 3rd Saturday of March 2026, the Clean and Green initiative continued with activities emphasizing sustainable campus development. The session motivated students to contribute towards a cleaner and greener environment.



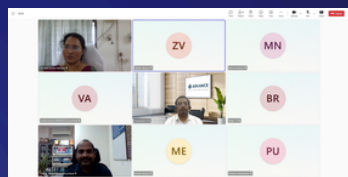
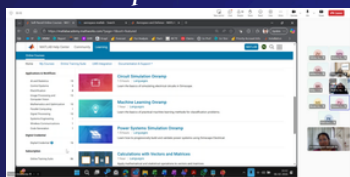
INDUSTRIAL COLLABORATIONS

INDUSTRY-ACADEMIA INTERACTION MEETING ON MATHWORKS SOLUTIONS FOR DRIVING THE FUTURE OF ELECTRIC VEHICLES (EVS)

06-02-2026

An interaction meeting was conducted on 06-02-2026 with MathWorks, focusing on advanced solutions in Electric Vehicles (EV), Communication Systems, and Quantum Technologies. The session highlighted simulation-based design, modeling, and hardware-integrated learning platforms in collaboration with ARKANCE and EDUTECH.

Dr. B. Leela Kumari, Head of the Department, participated and proposed organizing hands-on workshops to enhance teaching, research, and innovation in emerging technologies. The meeting emphasized strengthening industry collaboration for improved academic and research exposure.

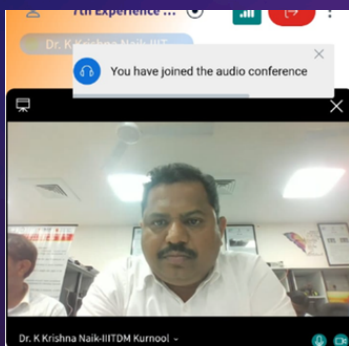


INDUSTRY-ACADEMIA 5G EXPERIENCE SHARING SESSION UNDER SANCHARA MITRA 2.0

06-03-2026

The 7th Experience Sharing Session under the 100 5G Use Case Labs Initiative was conducted on 06-03-2026 under the Sanchara Mitra 2.0 initiative of the Department of Telecommunications (DoT), Government of India. The program aimed to engage youth as Digital Ambassadors for telecom awareness and digital safety.

The presenting institution was IIITDM Kurnool. The session included an address by the SRI Division, followed by a detailed presentation by IIITDM Kurnool highlighting 5G use cases and emerging telecom technologies. The event promoted knowledge sharing and awareness on advanced communication systems and digital safety practices.



INDUSTRIAL COLLABORATIONS

INDUSTRY-ACADEMIA COLLABORATION WITH AMTZ,

VISAKHAPATNAM

05-03-2026

On 5th March 2026, Dr. B. Leela Kumari, Dr. S. Srinivasa Kumar, and Dr. K. Padma Raju from the Department of Electronics and Communication Engineering visited Andhra Pradesh MedTech Zone, Visakhapatnam, as part of an industrial interaction program. The visit aimed to strengthen the connection between academia and industry by exploring advancements in medical electronics and healthcare technologies.



The program was also graced by the presence of Prof. C. S. R. K. Prasad, Hon'ble Vice-Chancellor of Jawaharlal Nehru Technological University Kakinada, highlighting the importance of such collaborative initiatives.

During the visit, the faculty members explored various facilities within AMTZ and gained insights into the design, development, and manufacturing of medical devices. Experts at the organization explained innovative technologies, quality standards, and real-time applications in the healthcare sector. The interaction provided valuable exposure to emerging trends and potential research opportunities in biomedical and electronics engineering.





INDUSTRIAL COLLABORATIONS

INDUSTRY-ACADEMIA COLLABORATION WITH AVANTEL LIMITED, VISAKHAPATNAM



On 5th March 2026, Dr. B. Leela Kumari, Dr. S. Srinivasa Kumar, and Dr. K. Padma Raju from the Department of Electronics and Communication Engineering participated in an industry collaboration program with Avantel Limited, Visakhapatnam. The program was also attended by Prof. C. S. R. K. Prasad, Hon'ble Vice-Chancellor of Jawaharlal Nehru Technological University Kakinada. This initiative aimed to strengthen the relationship between academia and industry, focusing on advancements in communication systems, satellite technologies, and embedded solutions.



During the interaction, the faculty members gained insights into real-time industrial applications, product development processes, and the challenges involved in designing reliable communication systems. Experts from the organization shared knowledge on emerging trends, research opportunities, and the skills required to meet industry demands. The collaboration is expected to open pathways for internships, joint research, and technical training programs. Overall, the program was highly beneficial in enhancing academic-industry connectivity and fostering future technological innovation.



INDUSTRIAL COLLABORATIONS

INDUSTRY-ACADEMIA COLLABORATION WITH MOSART LABS IN VLSI AND SEMICONDUCTOR TECHNOLOGY

On 3rd January 2026, the Department of Electronics and Communication Engineering entered into an industrial collaboration with MOSart Labs to strengthen industry-academia interaction in the field of VLSI and Semiconductor Technology. The collaboration was initiated under the guidance of Dr. Krishna Kanth Avalur, CTO of MOSart Labs, with the objective of providing students with industry-oriented training, hands-on exposure to chip design technologies, internships, workshops, and skill development programs.



This collaboration with MOSart Labs, Hyderabad aims to bridge the gap between academic learning and semiconductor industry requirements by providing students with practical exposure in Analog and Digital IC Design, VLSI Design Flow, and industry-standard EDA tools. The partnership is designed to strengthen industry-academia interaction through structured technical training programs and hands-on learning experiences. It offers opportunities for expert lectures, workshops, internships, live projects, and certification programs in the semiconductor domain. These initiatives are expected to enhance students' technical competencies, problem-solving abilities, and industry readiness. The collaboration also focuses on improving employability and career prospects in the rapidly growing VLSI sector. In this regard, Dr. B. Leela Kumari and Dr. N. Balaji interacted with Mr. Krishna Kanth Avalur, CTO of MOSart Labs, Hyderabad, to discuss the effective implementation of the collaboration and future activities. The discussion emphasized creating a strong platform for practical learning and innovation in semiconductor technologies.

PLACEMENT HIGHLIGHTS

UG PLACEMENT

THESE STUDENTS WERE PLACED IN MEDHA SERVO WITH 5 LPA



V. SHARMILA



D. RAMYA SRI



A. L.N. RAJA



G. AKHILA

PLACED AT VOZIQ AI
WITH 4 LPA

PLACED IN TCS



B. SRILALITHA

THESE STUDENTS WERE PLACED IN
ACCENTURE WITH 4.5LPA



P. PRUDHVI RAM



N. RENUKA

PG PLACEMENTS

THESE PG STUDENTS WERE
PLACED IN L & T WITH 6.25CTC



A.K.KISHORE



G.JAYA PRAKASH



CH.HARITHA



D.RAJ KUMAR



L.NITHEESH KUMAR

THESE PG STUDENTS WERE
PLACED IN TCS

STUDENT ACHIEVEMENTS

- The student with Roll No: 14022Po412 attended in a Pre-talk in the ECE Department at the Department of ECE, UCEK, JNTUK, on 7th February 2026.
- Students participated in event regarding the Importance of VLSI by Dream Chip Electronics, Visakhapatnam at the Department of ECE, UCEK, JNTUK, on 12th February 2026.
- 3rd Year Students (Strength: 40) visited Dream Chip Industry on 7th March 2026 along with faculty members Dr. Y. Gowthami and Smt. B. Prasanti.
- Students participated in Clean and Green Activity conducted on the 3rd Saturday, 15th March 2026.
- Students participated in Senior Junior Friendship Day conducted on 14th March 2026
- Selected as one of the top 3,000 learners to continue into phase 2 from 65,000 learners from Phase 1 in WISER's Quantum Algorithms & Hands-on Training Program in collaboration with AQV(Amaravathi Quantum valley).



STUDENT ACHIEVEMENTS



PAVAN VIGNESH
(89)



N. PRANEETH
(108)



LAKSHMAN KUMAR
(122)



N. PRABATH
(376)



SOMA SATYA
540 (EE), 835 (EC)



P. MANIKANTA
(565)



V. LEELA PRASAD
(681)



**KALIPRASAD
PODDINA**
(835)



KATTA VENKATA SURESH
(998)



PUNEETH SHREYAL
(1431)



GANTI SATYA SATWIK
(1812)



DONKA JOSHNA
(IN - 2267)



B. AJAY KUMAR
(4835)

GATE RANKS 2026

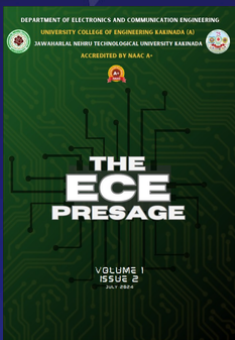
RANKS BELOW 1000: 09

RANKS BELOW 5000: 13

NO. OF STUDENTS QUALIFIED: 36

ISSUE 1

ECE MAGAZINE LEGACY



OUR TEAM

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DR. LEELA KUMARI BALIVADA

HEAD OF THE DEPARTMENT

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