

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

UNIVERSITY COLLEGE OF ENGINEERING KAKINADA (A)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

ACCREDITED BY NAAC A+



THE

ECE

THE ECHOS



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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.*

# EXPERT'S ARTICLE

## Health Digital Twins

A New Frontier in Personalized Medicine



Dr. LEELA KUMARI BALIVADA  
Head of the Department

### *Introduction:*

*In the near future, doctors may never need to make a decision without first rehearsing it on a patient's virtual self. This is the promise of health digital twins computer based replicas of organs, systems, or even entire bodies that mirror a person's real health in remarkable detail.*

*By combining medical records, genetic data, imaging scans, real-time sensor inputs...these twins allow doctors and engineers to test treatments, predict risks, and refine surgical plans before touching the patient.*

### *What is a Health Digital Twin?*

*A health digital twin is essentially a virtual copy of a person's body, an organ, or even an entire system. It is created by combining different kinds of data—medical records such as history, diagnoses, and prescriptions; genetic information that reflects a person's unique DNA; inputs from wearables and sensors that track real-time factors like heart rate, glucose levels, and daily activity; and imaging or laboratory results such as MRIs, CT scans, and blood tests. Together, these elements build a “virtual self” that doctors can use to rehearse procedures, test treatments, and predict health risks before applying anything to the actual patient.*

### *Case Study: Paris, 2022*

*In 2022, doctors in Paris faced the challenge of operating on a child with a severe heart condition. Normal scans could not reveal how the surgery would affect the heart in detail. To overcome this, the medical team built a digital twin of the child's heart using advanced software. This digital model allowed them to experiment with different surgical methods, study how blood flow and heart rhythms would change, and carefully choose the safest approach. When they finally performed the real surgery, the operation was a success. This became the first case where a digital twin directly guided open-heart surgery in a child, proving its potential as a rehearsal tool for doctors and highlighting how such technology can transform high-risk medicine.*

### *Role of Engineers*

*The creation and use of health digital twins would not be possible without engineers. Biomedical and mechanical engineers contribute by building detailed digital organs and running simulations to test implants. Computer engineers work with genetic data, imaging, and sensors, while AI experts ensure that the twin is capable of learning and updating in real time. Electronics engineers design the wearable devices and sensors that provide continuous streams of health information. Meanwhile, software and cloud engineers are responsible for making the systems reliable, scalable, and secure enough to handle vast amounts of medical data. Even in medical device innovation, engineers now use digital twins to test pacemakers, stents, or prosthetics before these devices ever reach real patients.*

### *Why it Matters*

*The impact of health digital twins is profound. They can save lives by reducing risk, bring together expertise from medicine and engineering, and create entirely new career paths in health technology and research. Their ability to merge data, science, and simulation makes them one of the most promising tools in modern healthcare.*

### *Conclusion*

*The Paris surgery was only the beginning. Researchers are already developing digital twins of lungs, livers, and vascular systems, and are even exploring the possibility of creating a twin of an entire patient. If these efforts succeed, digital twins may soon become as routine in hospitals as MRIs or X-rays, offering doctors a powerful tool to predict, rehearse, and personalize treatments for every individual.*

# DEPARTMENT ACHIEVEMENT

## NBA ACCREDITATION

10/05/2025

*It is a matter of great pride and honor to announce an important achievement of our department. The Department of Electronics and Communication Engineering, University College of Engineering Kakinada, JNTUK, has been accredited by the National Board of Accreditation (NBA) for a period of three years (2025–2028) under Tier-I evaluation.*

**राष्ट्रीय प्रत्यायन बोर्ड**  
**NATIONAL BOARD OF ACCREDITATION**  
 47 Patel Road, 1st Floor, 1st Cross, Malleshwaram, Bangalore-560035

File No. 11-382-2019-NBA Date: 03/06/2025

To,  
 The Principal  
 University College of Engineering, Kakinada,  
 Pithapuram Road, JNTU Kakinada, East Godavari,  
 Andhra Pradesh-533003

Subject: Further accreditation status on the basis of Compliance Report of the program in Tier I applied by University College of Engineering, Kakinada, Pithapuram Road, JNTU Kakinada, East Godavari, Andhra Pradesh-533003.

Sir,

This is regarding Compliance Report submitted by University College of Engineering, Kakinada, Pithapuram Road, JNTU Kakinada, East Godavari, Andhra Pradesh-533003 for the UG Engineering programs which were accredited by NBA in Tier-I for academic years 2022-23 to 2024-25 i.e. upto 30.06.2025.

2. An Expert Team conducted data verification of the programs on 18<sup>th</sup> May, 2025. The report submitted by the Expert Team was considered by the concerned Committees constituted for the purpose in NBA. The competent authority in NBA has approved the following accreditation status to the programs as given in the table below:

| Sr. No. | Name of the Program(s) (U5)             | Basis of Evaluation (U2)      | Accreditation Status (U4) | Period of validity (U5)                       | Remarks (U6)                                                                                                                                                    |
|---------|-----------------------------------------|-------------------------------|---------------------------|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.      | Civil Engineering                       |                               | Accredited                |                                               |                                                                                                                                                                 |
| 2.      | Computer Science & Engineering          | Tier-I January, 2026 Document | Accredited                | Academic Years 2025-2028 i.e. upto 30-06-2028 | Accreditation status granted is valid for the period indicated in Col-5, or till the program has the approval of the competent authority, whichever is earlier. |
| 3.      | Mechanical Engineering                  |                               | Accredited                |                                               |                                                                                                                                                                 |
| 4.      | Electrical & Electronics Engineering    |                               | Accredited                |                                               |                                                                                                                                                                 |
| 5.      | Electronics & Communication Engineering |                               | Accredited                |                                               |                                                                                                                                                                 |

3. It may be noted that only students who graduate during the validity period of accreditation, will be deemed to have graduated with an NBA accredited degree.

4. The programs have been granted accreditation for further 3 years. University College of Engineering, Kakinada, Pithapuram Road, JNTU Kakinada, East Godavari, Andhra Pradesh-533003 should submit fresh online application through eNBA portal not before five months from the expiry of validity of accreditation mentioned above.

5. The accreditation status awarded to the programs as indicated in the above table does not imply that the accreditation has been granted to University College of Engineering, Kakinada, Pithapuram Road, JNTU Kakinada, East Godavari, Andhra Pradesh-533003 in a whole. As such the institution should nowhere along with its name including on its letter head etc., write that it is accredited by NBA because it is program accreditation and not institution accreditation. If such an instance comes to NBA's notice, this will be viewed adversely. Complete name of the program(s) accredited, level of program(s) and the period of validity of accreditation, as well as the Academic Year from which the accreditation is effective should be mentioned unambiguously whenever and wherever it is required to indicate the status of accreditation by NBA.

*Chintan* Contd./..

Tel: +91 11 2436 0620-22, 2436 0654; Telefax: +91 11 4308 4903  
 Website: <https://www.nbaind.org> | Email: [memberssecretary@nbaind.org](mailto:memberssecretary@nbaind.org)

6. The accreditation status of the above programs is subject to change on periodic review, if needed by the NBA. It is desired that the relevant information in respect of accredited programs as indicated in the table in paragraph 2, appears on the website and information bulletin of the institute.

7. The accreditation status awarded to the programs as indicated in table in paragraph 2 above is subject to maintenance of the current standards during the period of accreditation. If there are any changes in the status (major changes of faculty strength, organizational structure etc.), the same are required to be communicated to the NBA, with an appropriate explanatory note.

8. The copy each of Report of the Visiting Team in respect of the above programs is enclosed.

Yours faithfully,  
*Chintan*  
 Dr. Anil Kumar Raut  
 Member Secretary

Enclo: 1. Copy each of the Report of the Visiting Team in respect of the programs.

Copy to:

- The Registrar  
 Jawaharbal Nellore Technological University,  
 Kakinada, Andhra Pradesh-533003
- The Commissioner  
 Department of Technical Education  
 ARS Towers, Jammie Chetty Rd,  
 Pithampuram, Guntur Nagar,  
 Vijayawada, Andhra Pradesh-521108
- Accreditation File
- Maintain Accreditation file of the State.

*This milestone reflects the department's unwavering commitment to quality education, teaching excellence, and adherence to global engineering standards. The NBA visit, held on 10th May 2025, was successfully coordinated by **Dr. B. Leela Kumari**.*



## DEPARTMENT ACTIVITIES

### MAGAZINE LAUNCH



*The Department of ECE proudly announces the launch of Volume 2, Issue 1 of its magazine, led by our respected Head of the Department, Dr. B. Leela Kumari.*

### STUDENT PPTS:

04/04/2025

*To enhance communication, presentation, and professional skills, students actively participated in multiple PPT sessions. This initiative aimed to build confidence, improve articulation, and prepare them for academic and industry interactions.*



### PROJECT ROOM

02/05/2025



*A well-equipped project room with computers has been set up in the Department of ECE, providing students with a dedicated space to work on academic projects, research, and innovative ideas in a collaborative environment.*

### SICK ROOM

02/05/2025

*The Department of ECE has introduced a dedicated sick room for female students, equipped with essential medicines and clean bed rolls. This initiative ensures a safe, hygienic, and comfortable space for students in need of rest or medical attention.*





## FACULTY DEVELOPMENT PROGRAMMES



*Dr. B. Leela Kumari served as the Coordinator and resource person for a one-week FDP on “Advances in Communication” organized by the Dept. of ECE, JNTUK, and sponsored by MeitY in collaboration with E&ICT Academy, NIT Warangal, held at Aditya Engineering College (A), Surampalem from 23rd to 27th June 2025.*



*Dr. N. Balaji served as the Coordinator for a one-week FDP on “Custom and Semi-Custom IC Design Using Cadence Tools,” organized by the Dept. of ECE, JNTUK, in association with JNTUK (Spoke Academy) and SRKR Engineering College, Bhimavaram, and sponsored by MeitY in collaboration with E&ICT Academy, NIT Warangal, held at SRKR Engineering College, Bhimavaram from 16th to 20th July 2025.*



*Dr. P Vinay Kumar acted as the coordinator for a one-week FDP on “Advances in Signal & Image Processing with Machine Learning and Deep Learning Techniques,” organized by the Dept. of ECE, JNTUK, at Sri Vasavi Engineering College, Tadepalligudem, on 23rd June 2025. Dr. K. Durga Ganga Rao served as the Resource Person for this program.*



*Dr. R. Madhu served as a Coordinator for a one-week FDP on “Advanced Communication System & Its Challenges,” organized by the Dept. of ECE, JNTUK, held at Andhra Loyola Institute of Engineering and Technology from 23rd to 27th June 2025.*

*Smt. A. Rajani served as the coordinator for a one-week FDP on “Machine Learning for Signal Processing in Biomedical and Communication Applications,” held from 2nd to 6th June 2025 at KKR & KSR Institute of Technology and Sciences, Guntur. Dr. N. Balaji acted as the resource person for the same.*





*A. Anusree represented JNTUK at the All India University (AIU) Yoga Competitions, showcasing excellence and sportsmanship.*

## DEPARTMENTAL GAMES

*Sports Day was held on 17th April 2025, with various departmental games conducted as part of the event. Students from ECE participated with great enthusiasm and won several events, showcasing their energy, teamwork, and competitive spirit.*



*Exhibiting exceptional teamwork and agility, Harika, Eswari, Satya, Joshna, Rajeswari, Anusree, Sowjanya, Vasavi, Indrani, Pavani, Tejaswini, Srineela, and Vallika emerged victorious in the departmental Kho-Kho games.*

*Displaying determination and teamwork, Siri Vennela, Radha, Eswari, Harika, Satya, Stefy, Anusree, Srineela, Snehitba, Neelima, Gayathri, Ananya, and Dharani secured the runners-up position in the departmental volleyball games.*



*G.Harika excelled in athletics, securing 1st place in 100 m and 4×100 m relay, 2nd place in 400 m, and 3rd place in long jump.*

*Dharani and T.Sharanya finished runners-up in Girls' Badminton.*



- *Joshna, Satya, Eswari, and Harika won 1st place in the 400m relay.*
- *U. Sri Satya won Kho-Kho, came 1st in 4×100m and 4×400m relays, 2nd in 200m, and 3rd in Volleyball, 100m, and Triple Jump.*
- *Sai Saran won 1st place in High jump.*
- *B. Eswari won 1st place in 1×100m and 4×100m relays, and 3rd place in the 200m run.*



## ENDOWMENT AWARDS

- **Sai Sudbeer** achieved the Sri N. Ramesh Endowment Prize for being the Best Outgoing Student.  
He also achieved the Sri Attlurisriramulu Endowment Prize for being the Best Outgoing Student.  
He was honored with the Prof. D. Ramachandra Rao Memorial Prize as the Best III Year Student.  
He also received the Nasipuram Memorial Award for being the Best Student up to IV Year.  
He earned a Gold Medal as the Best Outgoing Student among all branches, awarded by Sri E. Sreedharan, Managing Director of Delhi Metro Rail Corporation Ltd.  
He achieved the Dr. Ponnaluri Suryanarayana Memorial Prize for being the Topper in Mathematics, instituted by Smt. D. Kameswari and her family.  
He was also awarded the Sudhir Akella Memorial Award by A. Sirisha for being the topper at the end of the 3rd, 5th, and 7th semesters.
- **N.Renuka** won 1969 batch alumni cash award based on her overall performance in first year and first semester of 2nd year in the year 2022-23
- **S. Prabhat** won the Dr. Dasary Endowment Prize by Dr. D. Ananda Mohana Rao for being the Second Best Outgoing Student from ECE in 2022–23, considering academic, extracurricular, and cultural performance.
- **S.Harshini** has been awarded the Dr. Dasary Endowment Prize by Dr. D. Ananda Mohana Rao for achieving the title of Second Best Outgoing Student in the ECE department for the year 2022–23, based on her outstanding academic, extracurricular, and cultural contributions.

- ▶ **S. Vaheeda** received the Sri N. Ramesh Endowment Prize for being the Best Outgoing Student.  
*She also achieved the Sri Attluri Sriramulu Endowment Prize as the Best Outgoing Student.*  
*She was awarded the Prof. D. Ramachandra Rao Memorial Prize as the Best 3rd Year Student.*  
*She also received the Sudhir Akella Memorial Award by A. Sirisha for securing the highest marks at the end of the 3rd, 5th, and 7th semesters.*
- ▶ **Naresh** received the ECK 1963 Alumni Charitable Trust award for providing support to underprivileged and deserving students in the field of Electronics and Communication Engineering (ECE).
- ▶ **G.Narasimha** was awarded the Dasary Endowment prize by Dr.D.Anandamohana Rao for achieving the title of Second Best Outgoing Student in the ECE department for the year 2023–24, based on her outstanding academic, extracurricular, and cultural contributions.
- ▶ **G.Yaswanth Reddy** won 1969 batch Alumni cash award based on his overall performance in the first year and first semester of 2nd year



# INDUSTRY INSTITUTE INTERACTION

## MOU WITH AVANTEL

25/04/2025

*On 02-04-2025, JNTUK, Kakinada signed a Memorandum of Understanding with M/s Avantel Limited, led by CEO **Dr. Vidyasagar Abburi**, to launch a Postgraduate Program in Signal Processing and Communications. This partnership will establish a state-of-the-art Centre of Excellence with advanced laboratories, set up and maintained by Avantel, fostering innovation, cutting-edge research, and strong industry-academia collaboration.*



## **FACULTY PUBLICATIONS(CONFERENCES/JOURNALS)**

- ▶ **Dr. B. Leela Kumari** presented a paper titled "Implementation of INS/GNSS Fusion Using Model-Based EKF for Navigational Applications" at the 7th International Conference of Engineering & Advancement in Technology 2025, held on 27th and 28th June 2025.
- ▶ **Dr. B. Leela Kumari** presented a paper titled "Implementation of Multi-Object Tracking and Motion Detection using Adaptive Filter" at the 7th International Conference of Engineering & Advancement in Technology 2025, held on 27th and 28th June 2025.
- ▶ **Dr. K. Padma Raju** published a paper in May 2025 titled "Implementation of Hybrid Wild Geese Migration – Bird Swarm Algorithm Based Optimal Power Allocation Strategy for Spectral Efficiency Analysis in Massive MIMO System" in the SCIE-indexed Journal on Transactions on Emerging Telecommunication Technologies.
- ▶ **Dr. P. Pushpa Latha** presented the paper "Machine Learning Based Sign Language Interpreter" at the International Conference on Science, Engineering and Management (ICSEM-2025) held on 10th and 11th May 2025.
- ▶ **Smt. D. Viswa Bharathi** presented the paper "Semi Pipelined CORDIC Framework: FPGA and ASIC Implementation for Real-Time Application" at the International Conference on Electronics, Communication, Computing and Control Technology (ICECCC-2025) held in May 2025.
- ▶ **Smt. T.V. Ramani** presented a paper titled "Implementation of Multi-Object Tracking and Motion Detection using Adaptive Filter" at the 7th International Conference of Engineering & Advancement in Technology 2025, held on 27th and 28th June 2025.

# COMMUNITY ENGAGEMENT



*The Department of Electronics and Communication Engineering (ECE) successfully organized Swachh Day on 19/04/2025, and 21/06/2025, i.e., on the third Saturday of each month, under the esteemed leadership of Dr. B. Leela Kumari, Head of the Department (HOD), ECE.*



*Volunteers actively participated in sweeping pathways, collecting litter, and clearing debris, reinforcing the importance of collective effort in keeping the campus clean and orderly. A focused campus cleanliness drive was carried out, involving both students and faculty, with the aim of fostering a strong sense of responsibility toward maintaining a clean and hygienic campus environment.*

## OUTREACH ACTIVITIES:

### STUDENT VISIT:

25/04/2025



*Students from a government school visited the Department of Electronics and Communication Engineering, where they toured the laboratories and learned about the equipment and ongoing projects. The visit inspired them with a glimpse into the applications of electronics and communication in real-world technology*



- ▶ **Dr. B. Leela Kumari** acted as a Judge for the Research Enclave conducted by R&D Cell, JNTUK on the occasion of National Technology Day on 11th May 2025.
- ▶ **Dr. B. T. Krishna** acted as a Judge for the Research Enclave conducted by R&D Cell, JNTUK on the occasion of National Technology Day on 11th May 2025.
- ▶ **Dr. B. Leela Kumari** also conducted Swachhata Day in the ECE Department, organized by the Department of Electronics and Communication Engineering, UCEK, JNTUK, Kakinada on 17th May 2025.
- ▶ **Dr. B. Leela Kumari** served as the Coordinator for a one-week FDP on "Custom and Semi-Custom IC Design Using Cadence Tools," organized by the Dept. of ECE, JNTUK, in association with JNTUK (Spoke Academy) & SRKR Engineering College, Bhimavaram, and sponsored by MeitY in collaboration with E&ICT Academy, NIT Warangal, held at SRKR Engineering College, Bhimavaram from 16th to 20th July 2025.
- ▶ **Dr. K. Padma Raju** participated in the National Level Workshop on "Institutional Development Plan for Higher Educational Institutions" organized by the Institute for Academic Excellence, Hyderabad, from 4th to 6th May 2025.
- ▶ **Dr. N. Balaji** served as the Coordinator for a one-week FDP on "Advances in Communication," organized by the Dept. of ECE, JNTUK, and sponsored by MeitY in collaboration with E&ICT Academy, NIT Warangal, held at Aditya Engineering College (A), Surampalem from 23rd to 27th June 25

- **Dr. K. Rama Devi** served as a Resource Person for a one-week FDP on “Advances in Communication,” organized by the Dept. of ECE, JNTUK, and sponsored by MeitY in collaboration with E&ICT Academy, NIT Warangal, held at Aditya Engineering College (A), Surampalem from 23rd to 27th June 2025.
- **Dr. K. Rajasekhar** participated in an Online Training Program cum FDP on “Numerical Methods Computation and Optimization Using C and MATLAB Programming Languages,” funded by MeitY and endorsed by AICTE/UGC, held at MNIT Jaipur from 9th to 17th June 2025.
- **Dr. P. Pushpa Latha** completed a one-month course on Quantum Computing organized by CDAC, Hyderabad and IIT Roorkee with support from MeitY, Government of India, conducted from 3rd to 25th May 2025.
- **Smt. A. Rajani** acted as both Coordinator and Resource Person for a five-day National Level FDP on “Future Ready Teaching Tools, Techniques, and Transformations for Effective Learning,” held from 29th May to 3rd June 2025 at ACT Academy, Kerala.

- **Smt. A.D. Bhavani** participated in a one-week FDP on “Advances in Communication,” organized by the Dept. of ECE, JNTUK, Kakinada, and sponsored by MeitY in collaboration with E&ICT Academy, NIT Warangal, held at Aditya Engineering College (A), Surampalem from 23rd to 27th June 2025.
- **Smt. T.V. Ramani** attended and presented a poster at the Research Enclave conducted by the R&D Cell, JNTUK on the occasion of National Technology Day, 11th May 2025.
- **Smt. T.V. Ramani** participated in a one-week FDP on “Advances in Communication,” organized by the Dept. of ECE, JNTUK, Kakinada, and sponsored by MeitY in collaboration with E&ICT Academy, NIT Warangal.



*Faculty of ECE participated in “Yogandhra,” the 11th International Yoga Day celebrations held in Kakinada.*



## PhDs Awarded



-  *Mrs. Malleswari Akurati* was awarded her Ph.D. for her thesis titled “Development and Performance Evaluation of Novel PAPR Reduction Techniques for MIMO-OFDM Communications” guided by Retd Prof. K Satya Prasad.
-  *Mr. M. Ravi Kishore* was awarded his Ph.D. for his thesis titled “Design and Analysis of Substrate Integrated Waveguide Based Cavity Backed Antennas for Microwave Communication”.
-  *Mrs. Kollipara Radha* was awarded her Ph.D. for her thesis titled “Energy Efficient and Secured VLSI Architecture for DSRC Applications”.
-  *Mr. Mariyadasu M* was awarded his Ph.D. for his thesis titled “Implementation of Artifacts Removal Methods in EEG Signal using Convolutional Neural Network” by Prof. BT Krishna.
-  *Mr. Nidadavolu Adisesbalaiah* was awarded his Ph.D. for his thesis titled “A Novel Dynamically Updatable Pipelined Architecture for Packet Classification on FPGA” guided by Prof. M. Sailaja.
-  *Mr. Neerugatti Varipally Vishwanath* was awarded his Ph.D. for his thesis titled “Optical Character Recognition for Multi Script from Document Image using Artificial Neural Network Algorithm with Facial Appearances” under the guidance of Retd. Prof. K Satya Prasad.



## STUDENT ACHIEVEMENTS



*Lakkaraju Surya Meghan* successfully completed the NPTEL online course *Introduction to Internet of Things*, earning the Elite certificate and securing a place in the Top 2%.

He also completed a research-focused internship at Centronix in May–June 2025, contributing to sensor integration, microcontroller programming, and IoT data monitoring.

He also completed the online course *Mathematics for Machine Learning: Linear Algebra*, authorized by Imperial College London and offered through Coursera.

*C Shravan Raj* completed the NPTEL course *Industrial Automation and Control* (Jan–Apr 2025) from IIT Kharagpur, securing a place in the Top 1%.



*Vegi Sharmila* completed the NPTEL course *Optical Fiber Sensors* from IIT Madras, earning the Topper title.

*Dasam Ramya Sri* completed the NPTEL course *Optical Fiber Sensors* (Jan–Apr 2025) from IIT Madras, earning the Elite certification.



*Thangavalli Vinay Sundar* completed the NPTEL course *Sensors and Actuators* (Jan–Apr 2025) from IISc Bangalore, securing a place in the Top 5%.

*Puppala Prudhvi Ram* completed the NPTEL course *Communication Networks* from IIT Kharagpur, securing a place in the Top 5%.



*Villuri Reshma* successfully completed an 8-week *Embedded Systems with Arduino* online course from GeeksforGeeks.

She also completed the *Foundation – Design for Testability* course from Maven Silicon on June 5, 2025.



**Kokkilagadda Siri Vennela** successfully completed the NPTEL course “Optical Fiber Sensors” offered by IIT Madras and secured the Elite Topper distinction.

**Krishnan Lakshmi Narayana** and team authored a research paper on an AI-driven, hardware-efficient approach for real-time 3D terrain mapping to enhance autonomous navigation in challenging planetary landscapes.



**Geetha Gayathri Siriyala** participated in the Online Assessment of Flipkart Runway: Season 5 on Unstop, organised by Flipkart.

**Mareedu Varshini** successfully completed the Embedded Systems course under the Summer Online Internship Program – 2025, conducted by the Andhra Pradesh State Skill Development Corporation (APSSDC), from 28 April 2025 to 28 June 2025.



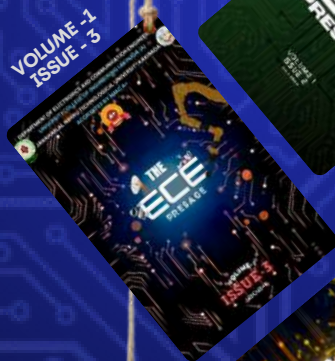
**B S V K Hemanth** completed a Java internship at Seneca Global Services Pvt. Ltd. from 8 May 2025 to 25 June 2025.

**Kada Pushpitha** successfully completed the Marketing Mastermind program from Growth School. She completed an Internship on Python at Pantech Solutions. She also completed the AI Tools & ChatGPT Workshop from be10x.



## ISSUE 2

# ECE MAGAZINE LEGACY



# ***OUR TEAM***

**EDITOR IN CHIEF**



**DR. LEELA KUMARI BALIVADA**

**HEAD OF THE DEPARTMENT**

## **STUDENT EDITORS**



**OMKAR**  
23021D6809



**RAMANI**  
21022P0409



**BHARGAV**  
23021A0405



**PRAPTI**  
23021A0440



**NEELIMA**  
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