

This issue

Brings you awareness about department activities done by staff and students.



ABOUT THE INSTITUTE

Sagi Rama Krishnam Raju Engineering College, established in 1980, is a self-financed academic institution of coeducation striving to provide a high-quality technical education to engineering aspirants. Being one of the premier and well-established technical institutions in the country, it continues to render service to the nation and the world at large with its alumni holding highly prestigious positions and making a substantial contribution. It is an autonomous Institution (UGC Approved) and permanently Affiliated with Jawaharlal Nehru Technological University Kakinada (JNTUK). The college is replete with lush coconut trees spanning across a plot area of 30 acres at China Amiram, Bhimavaram, on the Bhimavaram-Vijayawada state highway and it is also well-connected to all other places by road and rail transport. Over the years, the college has established itself as a premier institution imparting technical education of a very high standard leading to the B. Tech. degrees in 11 branches of engineering, P.G degrees in 6 specializations, and 7 Ph. D. programs. S.R.K.R. Engineering College was established with a mission to develop the institution into a world-class Centre of excellence in the field of technical education that fosters research and essentials of employability and strives for pre-eminence amongst the premier institutions with high commitment to the socio-ecological well-being of the nation.

TWO-WEEK ACITE QIP PG CERTIFICATION PROGRAM IN CYBERSECURITY

Dr. Krishna Kanth Varma enrolled in the AICTE QIP PG Certification Program in Cybersecurity and successfully completed the two-week offline training conducted at the IIIT Vadodara ICD Campus, Diu, Gujarat, from 23/06/2025 to 04/07/2025. The program saw participation from 38 candidates across the country and covered key modules including Security Fundamentals, Introduction to Cryptography, Problem Solving using Python, and Data Analytics for Cybersecurity with Probability and Statistics. The sessions were handled by IIIT Vadodara faculty, coordinated by Dr. Naveen Kumar, along with Dr. Gaurav Pareek and Dr. Bhupendar Kumar.



CHIEF EDITOR

Dr. S. S. MOHAN REDDY
HOD, ECE

SUB EDITORS

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Smt. K. L. DIVYA

STUDENT COORDINATORS

M.YUGANDHAR, 3RD ECE
M.SIVA SAI PRAKASH, 3RD ECE
P. JAYANTH, 2ND ECE
Y. HEMANTH, 2ND ECE



DEPARTMENT VISION
Envision a diverse and stimulating academic research ambience for the student community and shaping them into competent professionals in the field of Electronics and Communication Engineering and to cater to the needs of society with a keen sense of environmental consciousness.

GUEST LECTURE ON CRITICAL THINKING AND PROBLEM SOLVING FOR ECE STUDENTS

The Department of ECE, in association with the SRKREC Alumni Association, organized a guest lecture on “Critical Thinking & Problem Solving” on 13-09-2025 at 10:30 A.M. in the ECE Seminar Hall. The session was delivered by Sri G. Krishna Chaitanya, Senior Manager, Salesforce, Hyderabad. The program began with opening remarks by Dr. N. Udaya Kumar, Head of the ECE Department, followed by the introduction of the resource person by Shanmukha, 2nd year ECE student.

S.R.K.R Engineering College(A), CHINNAMIRAM, BHIMAVARAM
Department of Electronics and Communication Engineering

in association with
SRKREC Alumni Association

WELCOME
 TO
EXPERT TALK
 ON
“Critical Thinking & Problem Solving”
 13th, September 2025
 Venue: ECE Seminar Hall ** Time: 10:30 AM

RESOURCE PERSON
Sri. G. Krishna Chaitanya
 (2005-2009 ECE Batch)
 Sr. Manager, Salesforce, Hyderabad,
 Telangana, INDIA.

Dr. G. Nagaraju, Associate Professor, ECE, served as the event coordinator. The speaker discussed the importance of critical thinking, problem-solving skills, CGPA, interview experiences, pathways for ECE students to enter the IT sector, and the growing impact of Machine Learning in industry. The session was interactive, with active student participation. A total of 109 students of II/IV B.Tech ECE attended the lecture, and the program concluded with a vote of thanks proposed by Shanmukha.



**Never stop LEARNING,
 Because life never stops TEACHING.**

EMERGING TRENDS IN SMART ANTENNA SYSTEMS AND 6G TECHNOLOGIES

An IE Sponsored All India Workshop on “Design and Optimization Aspects of Smart Antenna Systems for 6G” was organized on 21st and 22nd August 2025 at S.R.K.R. Engineering College. The workshop was convened by Dr. P. Krishna Kanth Varma, Assistant Professor, Department of ECE. The sessions were handled by eminent resource persons Dr. Sudheer Kumar T, Associate Professor, Shri Vishnu Engineering College for Women, Bhimavaram; Dr. B. Sri Devi, Associate Professor, Vishnu Institute of Technology, Bhimavaram; Mr. Ch. Murali Krishna, Antenna Engineer, Dhruva Space Private Limited, Hyderabad; and Dr. R. Krishna Chaitanya, Associate Professor, S.R.K.R. Engineering College, Bhimavaram. The objective of the workshop was to provide an in-depth understanding of smart antenna design and optimization techniques for 6G networks, focusing on array synthesis, beam steering, adaptive coverage, energy-efficient communication, and advanced optimization algorithms such as PSO, Firefly, TLBO, and Quasi-Newton methods. The program also highlighted emerging technologies like terahertz communication, massive MIMO, and intelligent reconfigurable surfaces. A total of 110 participants (staff and students) actively took part in the workshop.

DEPARTMENT MISSION

- To educate the students with the state of the art technologies in Electronics and Communication Engineering to meet the ever growing challenges of the industry.
- To nurture the spirit of innovation and creativity in the faculty and students in order for them to carry out research in collaboration with research organizations and industry
- To provide ethical and value based education that promotes activities pertaining to societal needs.



GUEST LECTURE ON "TELECOM TECHNOLOGIES & ENTERPRISE SOLUTIONS" A STRATEGIC OVERVIEW

The Department of Electronics and Communication Engineering, in association with the SRKREC Alumni Association, organized a guest lecture on "Telecom Technologies & Enterprise Solutions: A Strategic Overview" on 20-09-2025 at 10:30 A.M. in the ECE Seminar Hall. The session was delivered by Sri Y. Sandeep, Manager, POWERGRID, Telangana. Dr. N. Udaya Kumar, Head of the ECE Department, gave the opening remarks, and the resource person was introduced by Meghana, 3rd year ECE student, while Dr. G. Nagaraju, Associate Professor, ECE, served as the event coordinator. The lecture covered topics such as telecommunications and OPGW, data center modules and their locations in India, popular telecom certifications, and career-building opportunities in PSUs. The session was interactive, with active student participation. A total of 126 students of III/IV B.Tech ECE attended the lecture, which concluded with a vote of thanks proposed by Meghana.

ABOUT OUR DEPARTMENT

The department of ECE was established in the year 1980 with an intake of 35 which was subsequently raised to 240 over a period of time. M. Tech course in Communication Systems was started in 2006. The department is presently offering 4-year B. Tech program in ECE, 2-year M. Tech in Communication Systems and Ph.D. program. The department has highly qualified, experienced and dedicated staff members. The department has dedicated technical and non-teaching staff members. The department has good infrastructure facilities. The department was accredited four times by National Board of Accreditation (NBA). The department has student chapters of professional bodies like IETE and college level ISTE, which conduct various student technical activities. Students of ECE participate in National level technical paper and hardware competitions being organized at various other colleges and some of them are awarded with prizes. They have been obtaining good scores in GRE, TOEFL and CAT. Students are placed in companies like TCS, Polaris, CTS, IBM, Infosys, Texas Instruments, BSNL, BEL, ISRO and DRDO. ECE department has been identified as research center by JNT University. The research center provides required facilities for carrying out research work for scholars. The department is associated with organizations like DRDO, NSTL, BEL, ISRO, BSNL, NRSA and RTTC. The department has MOUs with DS Reddy Consultancy, ETI Lab Pvt. Ltd., Salcit Technologies, Hyderabad and TCS for collaborative work and faculty improvement programs. Faculty published and presented about 512 research papers in technical journals and conferences.



S.R.K.R Engineering College(A), CHINNAMIRAM, BHIMAVARAM
Department of Electronics and Communication Engineering
in association with
SRKREC Alumni Association

WELCOME TO EXPERT TALK ON
"TELECOM TECHNOLOGIES & ENTERPRISE SOLUTIONS: A STRATEGIC OVERVIEW"

RESOURCE PERSON
Sri. V SANDEEP
(2001-2005 ECE Batch)
Manager, POWERGRID, Telangana, INDIA.

*Date: 20th. September 2025
Time: 10:30 AM
Venue: ECE Seminar Hall*

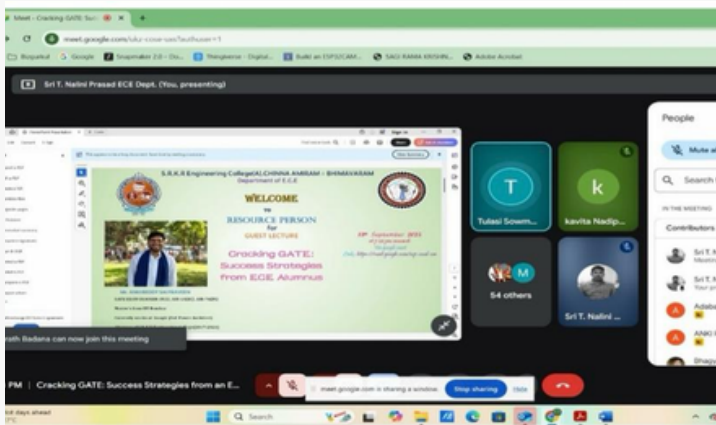


NATIONAL-LEVEL TRAINING ON DEEP LEARNING: ACITE QIP PG CERTIFICATION PROGRAM

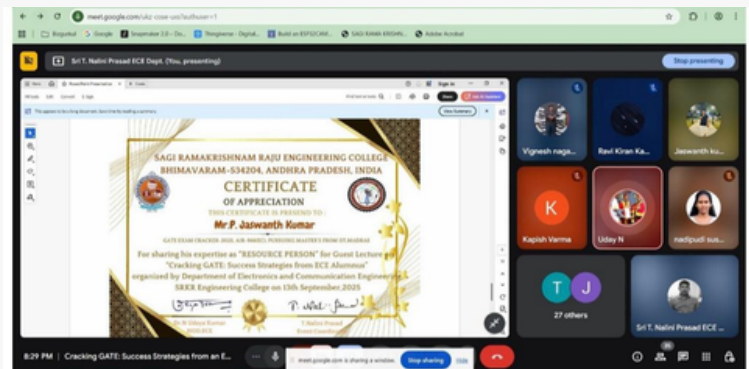
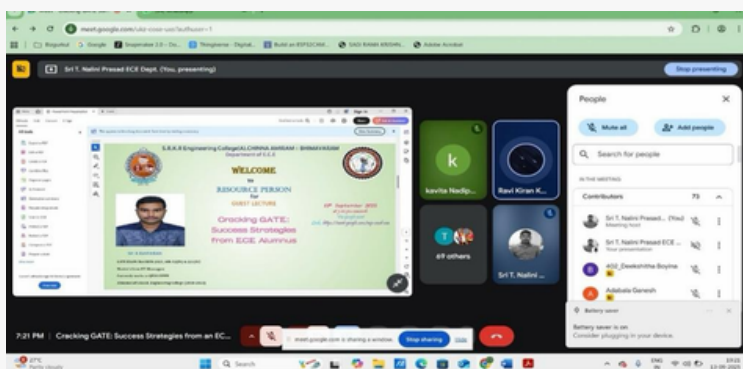
sri B.Tapasvi, Assistant Professor, ECE has enrolled in the **AICTE QIP PG Certification Program on Deep Learning: Fundamentals and Applications** and successfully completed the initial **two-week offline training conducted at SVNIT, Surat, Gujarat, from June 16, 2025, to July 27, 2025**. The program witnessed participation from 49 candidates across the country and covered core modules including **Linear Algebra, Probability, and Problem-Solving using Python**. The training was coordinated by **Dr. Kamal Captain**, with support from **Dr. Kishore Upla** and **Dr. Suman Deb**.



FROM SRKREC TO IIT & INDUSTRY: GATE SUCCESS STORIES

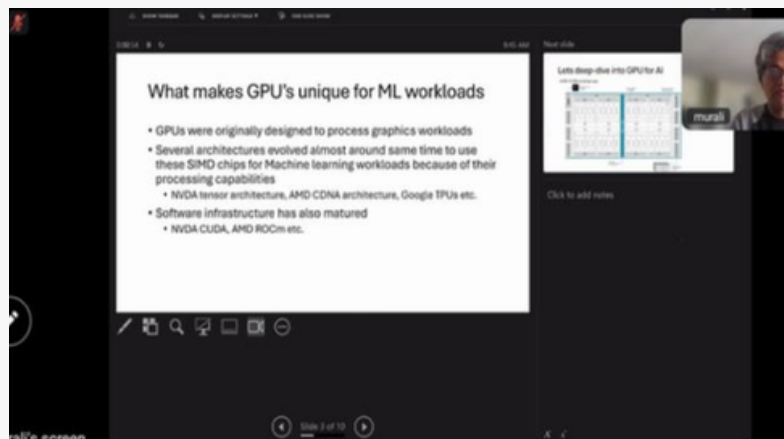


The **Department of Electronics and Communication Engineering, S.R.K.R. Engineering College (Autonomous), Bhimavaram**, organized an online guest lecture on **“Cracking GATE: Success Strategies from an ECE Alumnus”** on **13/09/2025 at 7:00 PM** via the **Google Meet** platform. The session was delivered by **Mr. Ankireddy Sai Praveen (GATE 2022, AIR 14 – EC, AIR 76 – IN, SoC Power Architect at Google, Bengaluru)**, **Mr. K. Ravi Kiran (GATE 2023, AIR 52 – IN, AIR 221 – EC, working at Qualcomm, Bengaluru)**, and **Mr. P. Jaswanth Kumar (GATE 2025, AIR 966 – EC, pursuing M.Tech at IIT Madras)**, all distinguished alumni of **SRKREC**. **Dr. N. Udaya Kumar, Head of the ECE Department**, delivered the opening remarks, and **Sri T. Nalini Prasad, Assistant Professor, ECE**, acted as the event coordinator. The speakers shared **structured preparation strategies, study resources, the importance of mock tests, and personal experiences to motivate students**, followed by an interactive **Q&A session**. The program witnessed participation from over **72 ECE students from second, third, and final years along with faculty members**, and concluded with the presentation of **appreciation certificates** to the resource persons and a vote of thanks by **Miss M. Padma Pravanya, 4th Year ECE student**.



"VIRTUAL EXPERT TALK ON HARDWARE ADVANCEMENTS IN GPUS FOR AI & ML APPLICATIONS"

The **Center of Excellence in VLSI Design** and the **Department of Electronics and Communication Engineering, SRKR Engineering College (Autonomous), Bhimavaram**, in association with **IETE-ISFC-65**, organized a virtual expert talk on **"Hardware Advancements in GPUs for AI & ML Applications"** on **20th September 2025 at 7:00 PM (IST)**. The session was delivered by **Dr. Murali Nethi, Principal Engineer, AMD, USA**, who shared insights on **GPU architectures for AI/ML workloads, recent advancements such as AMD MI-350, power, thermal and security challenges, and emerging opportunities in semiconductor R&D and hardware-software co-design**. The program commenced with opening remarks by **Dr. N. Udaya Kumar, Professor & HoD, ECE**, followed by an **interactive discussion**. The lecture was made possible with the support of **Dr. Sujan Kasani** and **Mr. Savan Suri**. The event enhanced awareness of current **GPU hardware trends, motivated students toward research and higher studies in VLSI and AI**, and concluded with a vote of thanks and presentation of an **e-memento** and **appreciation certificate** to the speaker.



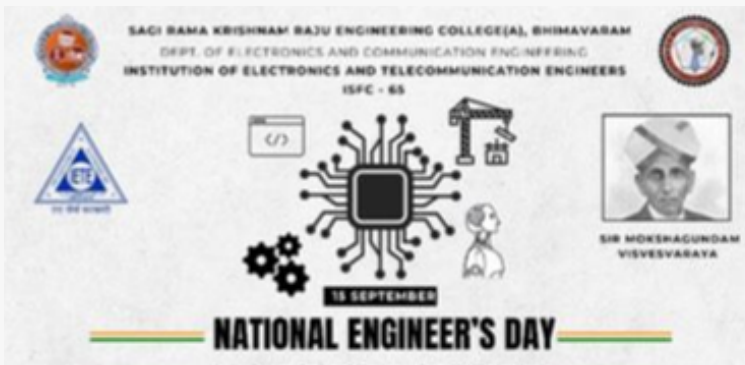
DURGA POOJA CELEBRATIONS – 2025

The **Department of Electronics and Communication Engineering, SRKR Engineering College, Bhimavaram**, organized **Durga Pooja – 2025** with great devotion on **26th September 2025 at 9:00 AM** at the **ECE Department** premises. Faculty members, staff, and students actively participated in the **traditional rituals, prayers, and chanting of sacred hymns, creating a divine and spiritual atmosphere**. The department was beautifully decorated, and devotees sought the blessings of Goddess Durga for strength, wisdom, prosperity, and overall well-being. After the pooja, prasadam was distributed, and staff and students from other departments also visited for darshan. The event fostered unity, cultural harmony, and positivity, and the department expressed gratitude to all who contributed to the successful conduct of the celebration.





ENGINEER'S DAY CELEBRATIONS – BIRTH ANNIVERSARY OF SIR MOKSHAGUNDAM VISVESVARAYA



The IETE Student Forum (ISFC-65) of the Department of Electronics and Communication Engineering organized the Engineer's Day Celebration on 15th September 2025 at T-407 to commemorate the birth anniversary of Bharat Ratna Sir Mokshagundam Visvesvaraya. The event was attended by Dr. N. Udaya Kumar, Professor & HoD, ECE, Dr. T. V. Hyma Lakshmi, IETE Faculty Advisor, Dr. K. N. V. Satyanarayana, IETE Faculty Coordinator, other ECE faculty members, and students. The program included student speeches highlighting the life and contributions of Sir M. Visvesvaraya, followed by addresses from the HoD, faculty coordinator, and faculty members, emphasizing the significance of Engineer's Day. The event concluded with a vote of thanks by a student representative, leaving participants inspired by the true spirit of engineering.

OUTREACH MEDICAL CAMP FOR ELDERLY PEOPLE

The Department of Electronics and Communication Engineering, SRKR Engineering College, Bhimavaram, conducted an outreach program (medical camp for elderly people) on 7th September 2025 at SVR Children's Hospital, Akividu, as part of its social responsibility initiatives. The program was coordinated by Mrs. K. L. Divya and Dr. V. Nagavalli, with support from local doctors Dr. K. Mahesh Varma (MBBS, DCH – Paediatrician) and Dr. Satyanarayana Varma (MD – General Medicine). A total of 15 final-year ECE student volunteers assisted in patient registration, medical check-ups, health screening, documentation, and patient guidance. The camp benefited 90 elderly people, who received free medical consultations, basic treatments, medicines, and health awareness on common issues such as hypertension, diabetes, and joint problems. The program strengthened community bonding and helped students develop empathy, teamwork, organizational skills, and a strong sense of social responsibility, highlighting the importance of community service alongside technical education.



DOCTORAL RESEARCH ON SCALABLE FFT ARCHITECTURES IN VLSI SYSTEMS

Mr. A. V. S. Surya Varma, Assistant Professor, Department of Electronics and Communication Engineering, SRKREC, has been awarded the **Doctor of Philosophy (Ph.D.)** in Electronics and Communication Engineering by K L University, Vijayawada, under the supervision of Dr. Mannepli Kasiprasad, Associate Professor, ECE, K L University, and Dr. Akurathi Gangadhar, Associate Professor & HoD, ECE, UCEN-JNTUK, Narasaraopeta, A.P. He completed his B.Tech from BVC Engineering College and M.Tech from Swarandhra College of Engineering, JNTU Kakinada. His Ph.D. thesis, titled "Development of Scalable FFT Architectures for Optimized Resource Utilization in High-Performance Systems," focuses on addressing the limitations of conventional VLSI-based FFT architectures related to area, delay, and power consumption.



The research proposes VLSI-optimized FFT methods, including an Iterative ICORDIC-based Multipath Butterfly Unit (MPIC-FFT), achieving improved speed, fault tolerance, area efficiency, and power optimization, thereby providing a balanced and high-performance solution for FFT computation in VLSI systems.

FOSTERING PERSONAL GROWTH AND TEAMWORK THROUGH EMPATHIC COMMUNICATION

The Department of Electronics and Communication Engineering organized an Expert Talk on "Power of Growth Mindset & Empathic Communication" on 08-10-2025 from 3:00 PM to 4:30 PM. The session was delivered by Dr. K. V. Subba Raju, Author, Motivational Trainer, Influencer, and Educationalist. The talk emphasized the importance of developing a positive attitude toward learning and personal growth, adopting a growth mindset to overcome challenges and learn from failures, and practicing empathic communication to strengthen teamwork and interpersonal relationships. A total of 88 students participated in the event, which inspired them to apply these values in their academic and professional lives to create a supportive, growth-oriented environment. The program was coordinated by Dr. B. Sanjay, Mrs. D. V. N. Bharathi, and Mr. N. V. Phani Sai Kumar, under the guidance of Dr. N. Udaya Kumar, HoD, ECE.

SRKR ENGINEERING COLLEGE (A), BHIMAVARAM
DEPT. OF ELECTRONICS AND COMMUNICATION ENGINEERING

Expert Talk
ON
Power of Growth Mindset & Empathic Communication
by
DR. K.V. Subba Raju
Author, Motivational Trainer, Influencer, Educationalist

CONVENOR:
DR. N. UDAYA KUMAR

FACULTY CO-ORDINATORS:
DR. B.SANJAY
MRS.D.V.N.BHARATHI
MR.N.V. PHANI SAI KUMAR

ECE SEMINAR HALL

DATE : 8/10/2025

TIME : 3:00PM TO 4:30PM



GUEST LECTURE ON “GATEWAY TO OPPORTUNITIES: HOW COMPETITIVE EXAMS SHAPE YOUR CAREER”



The **Department of Electronics and Communication Engineering**, in collaboration with the **Women Empowerment Cell** of **S.R.K.R. Engineering College**, organized a guest lecture on “**Gateway to Opportunities: How Competitive Exams Shape Your Career**” on **06-10-2025 at 3:30 PM** in **T-109 (Skill Development Lab)**. The session was delivered by **Smt. Nandipati Premanvitha**, **Mandal Parishad Development Officer, Elamanchili, Palakol Constituency, and an alumna of SRKREC (2013–2017)**. **Dr. N. Udaya Kumar**, **Head of the ECE Department**, gave the opening remarks highlighting the theme of the program, while **Mrs. Prathima Gamini**, **Assistant Professor, ECE**, served as the **event coordinator**. The lecture motivated students to explore career opportunities through **competitive examinations, emphasizing discipline, consistency, self-belief, self-assessment, perseverance, and avoidance of procrastination**. A total of **40 II/IV B.Tech ECE students** participated in the session, which concluded with a vote of thanks proposed by **P. Sai Meghana, III/IV B.Tech ECE student**.

YOUTH FESTIVAL – SCIENCE MELA EXHIBITION 2025

A team of **III/IV B.Tech ECE students**—**Guthula Bhanu Prasad (Team Leader)**, **Jalli Nishanth**, **Kaduluri Kundan Sai**, **Allu Eswar**, **Karri Indumathi**, and **Alapati Satya Durga**—participated in the **Youth Festival – Science Mela Exhibition 2025**, held on **22 October 2025**, under the esteemed mentorship of **Dr. N. Udaya Kumar, Ph.D.** Organized in collaboration with the **Department of Youth Services (SETWEL)**, **Government of Andhra Pradesh**, the event aimed to promote scientific temper, innovation, and research-oriented thinking among students. The team presented a **Disaster Response Drone (X-type Quadcopter)** designed to address delays in disaster rescue operations by combining **AI-based victim detection** and **precision supply delivery** in a single autonomous platform. The system featured a **5 kg payload capacity**, **45-minute endurance**, **2 km operational range**, **Python-based human and object detection** with **GPS logging**, and **reliable performance validated through 200+ flight hours**. The project demonstrated strong potential to transform disaster response by **reducing rescue time, minimizing human risk, and enhancing real-time situational awareness**, highlighting the role of **AI-driven autonomous systems** in humanitarian and disaster management applications.



ENCENDER-1



The IETE Student Forum (ISFC-65) organized “ENCENDER-1” on 09 October 2025 at 3:00 PM in the ECE Seminar Hall to ignite enthusiasm and inspire young talents. The program featured addresses by Dr. N. Udaya Kumar, HoD, ECE, Dr. T. V. Hyma Lakshmi, IETE Faculty Advisor, and Dr. K. N. V. Satyanarayana, IETE Faculty Coordinator, who highlighted the achievements of the ECE Department, objectives of IETE, and the benefits of student participation. Executive Body Members presented sessions on “ECE” and “IETE and Its Events”, explaining departmental scope, career opportunities, and the role of IETE in students’ academic and professional growth. The event included interactive activities such as fun rounds, a motivational talk by the IETE Treasurer, and feedback collection through a QR code. The program concluded with a vote of thanks by P. Sai Meghana and Ch. Bhanu Govardhan. The event witnessed enthusiastic participation from around 180 first-year students and received positive feedback, successfully achieving its objective of promoting awareness about IETE and inspiring young minds.

ENCENDER-2



The **IETE Student Forum** conducted “ENCENDER-2” on **10/10/2025** at **3:00 PM** in the **ECE Seminar Hall** to ignite and motivate young talents. The program featured addresses by **Dr. N. Udaya Kumar, HoD, ECE, Dr. T. V. Hyma Lakshmi, IETE Faculty Advisor, and Dr. K. N. V. Satyanarayana, IETE Faculty Coordinator**, who highlighted the significance of the **ECE Department, IETE activities, and their impact on students’ future careers.**



Executive Body Members delivered presentations on “ECE Software & Hardware” and “Career Paths After B.Tech in ECE”, explaining departmental scope, industry trends, and skill development opportunities through IETE. The event also included interactive fun rounds, a motivational address by the IETE Treasurer, and feedback collection via a QR code. The session concluded with a vote of thanks by T. Mounika and M. Siva Sai Prakash, and witnessed enthusiastic participation from 98 first-year students, making the event a grand success.

GUEST LECTURE ON “CHALLENGES IN SEMICONDUCTOR PHYSICAL DESIGN AT LOWER TECHNOLOGY NANOMETER NODES”

S.R.K.R Engineering College(A), CHINNAMIRAM, BHIMAVARAM
Department of Electronics and Communication Engineering
in association with
SRKREC Alumni Association

WELCOME TO EXPERT TALK ON

“CHALLENGES IN SEMICON PHYSICAL DESIGN AT LOWER TECHNOLOGY NANOMETER NODES”

RESOURCE PERSON
Sri. MVV Satya Narayana
(1992-1995 ECE Batch)
Senior Director, R&D Solutions Group, Synopsys, Bangalore, Karnataka, INDIA.

Date: 11th October 2025
Time: 10:30 AM
Venue: ECE Seminar Hall

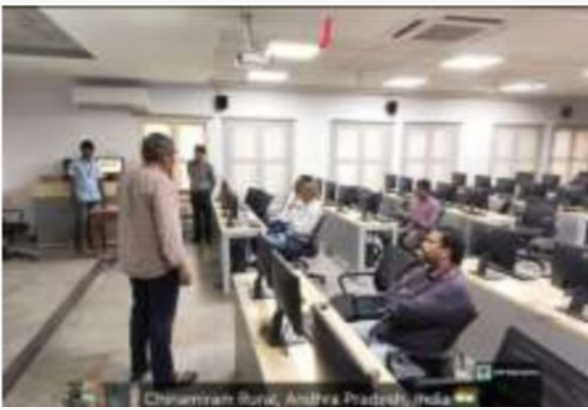


The Department of Electronics and Communication Engineering, in association with the SRKREC Alumni Association, organized a guest lecture on “Challenges in Semiconductor Physical Design at Lower Technology Nanometer Nodes” on 11-10-2025 at 10:30 A.M. in the ECE Seminar Hall. The session was delivered by Sri M. V. V. Satya Narayana, Senior Director, R&D Solutions Group, Synopsys, Bengaluru, Karnataka, India. Dr. N. Udaya Kumar, Head of the ECE Department, gave the opening remarks highlighting the theme, and the resource person was introduced by M. Spandana, 2nd year ECE student, while Dr. G. Nagaraju, Associate Professor, ECE, acted as the event coordinator. The lecture covered the origin and growth of VLSI technology, Moore’s Law, evolution of technology nodes, early IC developments by Texas Instruments, leading semiconductor companies, and future research trends including post-silicon technologies such as carbon nanotube chips, along with industry experience in advanced wireless product development. The session was interactive, with participation from ECE faculty and 129 students of II/IV and III/IV B.Tech ECE, and concluded with a vote of thanks proposed by M. Spandana.

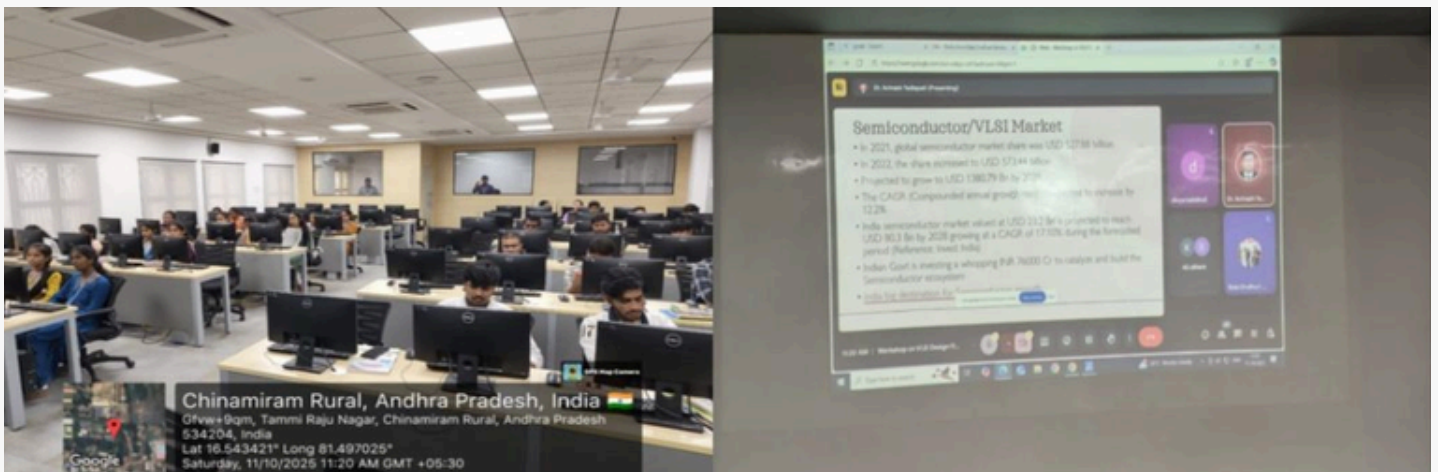
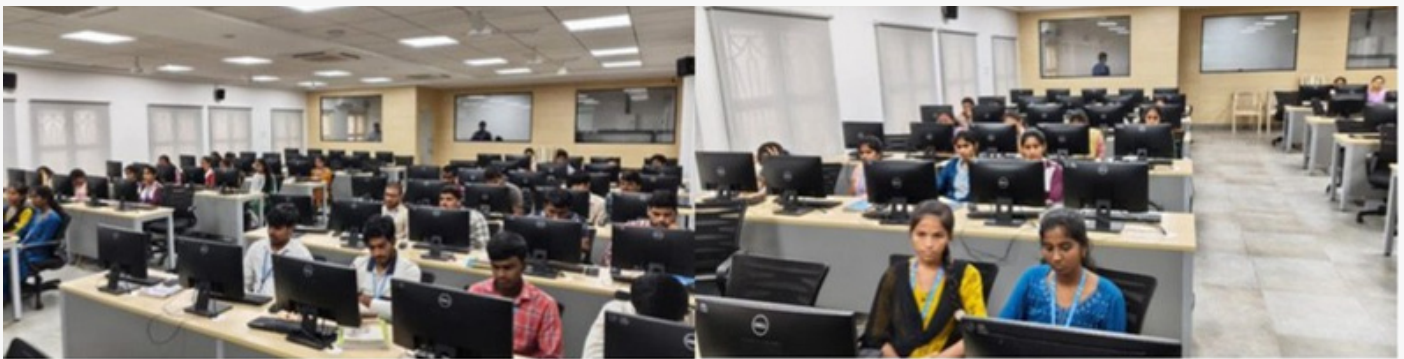
EXTERNAL ACADEMIC AUDIT OF THE DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING (AY 2024–25)



An **External Academic Audit** was conducted in the **Department of Electronics and Communication Engineering** on **09-10-2025** for the Academic Year **2024–25**. **Dr. E. Venkata Krishna Rao, Professor, ECE, LBRCE (Autonomous)** served as the **External Member**, while **Dr. V. Chandra Sekhar, Dean (Academics)** and **Dr. S. Rajesh, Dean, IQAC** acted as **Internal Members**. The audit was coordinated by **Dr. N. Udaya Kumar, HoD, ECE**, along with **Department QI Coordinators Sri M. Praveen Kumar and Dr. M. Satish Kumar, who prepared the academic audit report**. Faculty members actively participated by presenting relevant documents and evidence, and the audit committee provided constructive feedback and recommendations for **continuous academic improvement**.



“EXPLORING VLSI DESIGN FLOW AND INDUSTRY OPPORTUNITIES”: A TWO-DAY WORKSHOP



The **Department of Electronics and Communication Engineering**, in association with the **Center of Excellence in VLSI Design, S.R.K.R. Engineering College (Autonomous), Bhimavaram**, organized a **two-day workshop** on “**VLSI Design Flow and Opportunities**” from **11th to 12th October 2025**. The sessions were conducted by **Dr. Avinash Yadlapati, Senior Engineering Manager, Altera Corporation (Intel), Malaysia**, who provided comprehensive insights into the **complete VLSI design flow, including specification, RTL design, synthesis, verification, physical design, testing, and validation**. The workshop emphasized **digital design fundamentals, HDL proficiency, EDA tool usage, emerging semiconductor trends, and career opportunities in the VLSI industry**. Convened by **Dr. N. Udaya Kumar, Professor & HoD, ECE**, and coordinated by **Dr. K. Bala Sindhuri and Mrs. K. L. Divya**, the program enhanced participants’ understanding of **real-world chip design practices** and inspired students to strengthen their skills in **digital electronics and tool-based design**. The event concluded with a vote of thanks by the faculty coordinators, acknowledging the speaker’s valuable contribution and the active participation of students and faculty.

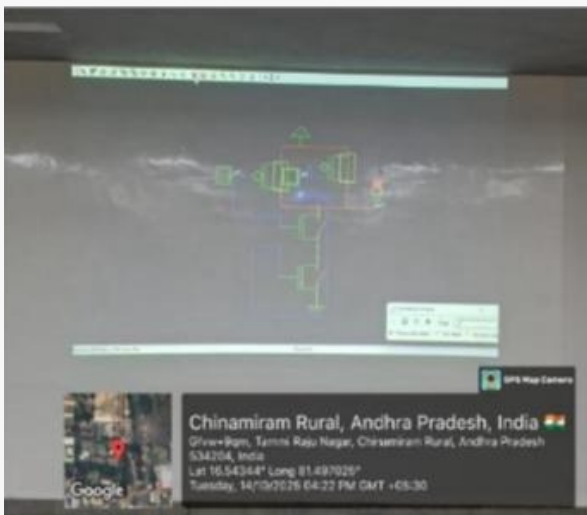
Life is like riding a bicycle. To keep your balance, you must keep moving - Albert Einstein

"EXPERT TALK ON CAREER OPPORTUNITIES IN THE VLSI DOMAIN"



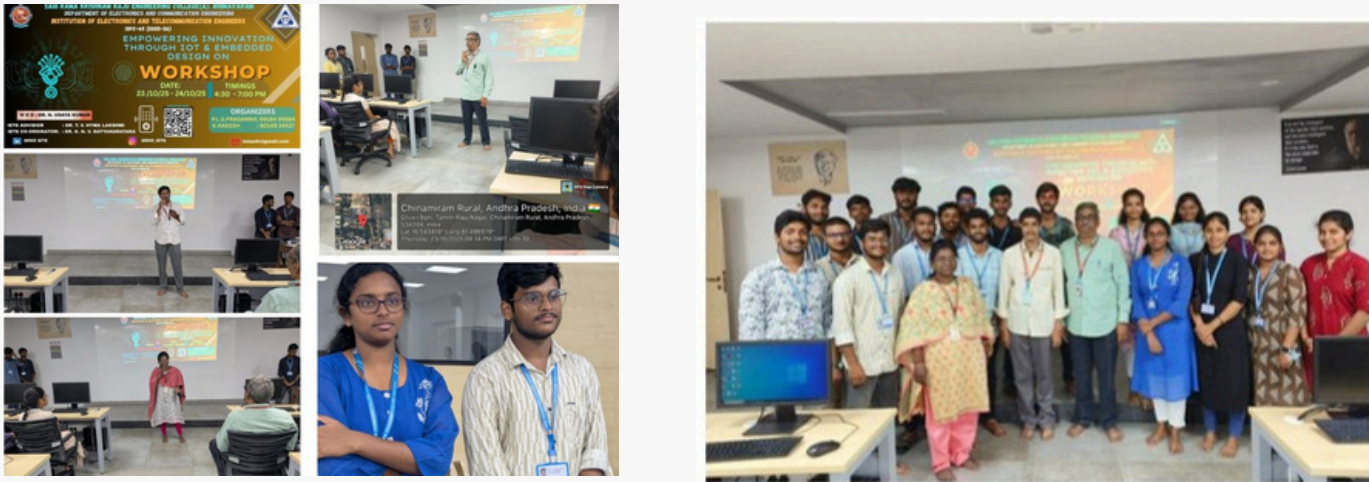
The Center of Excellence in VLSI Design and the Department of Electronics and Communication Engineering, S.R.K.R. Engineering College (Autonomous), Bhimavaram, jointly organized an Expert Talk on "Career Opportunities in the VLSI Domain" on 13th October 2025 from 3:00 PM to 4:00 PM. The session was delivered by Mr. Tirumala Naga Subrahmanyam, Digital Design Engineer, Texas Instruments (TI), Bengaluru, and an alumnus of SRKREC. He highlighted career paths in VLSI such as front-end design, verification, and physical design, emphasizing the importance of digital design fundamentals, HDL programming, and EDA tools, while also sharing his professional journey and industry insights. The talk concluded with an interactive Q&A session, providing clarity on internships, tool proficiency, and emerging trends. The event was convened by Dr. N. Udaya Kumar, Professor & HoD, ECE, coordinated by Dr. K. Bala Sindhuri and Mrs. K. L. Divya, with student coordination by J. Nishanth and M. Thirumalesh, and ended with a vote of thanks appreciating the speaker's valuable contribution.

HANDS-ON TRAINING PROGRAM ON DSCH SOFTWARE



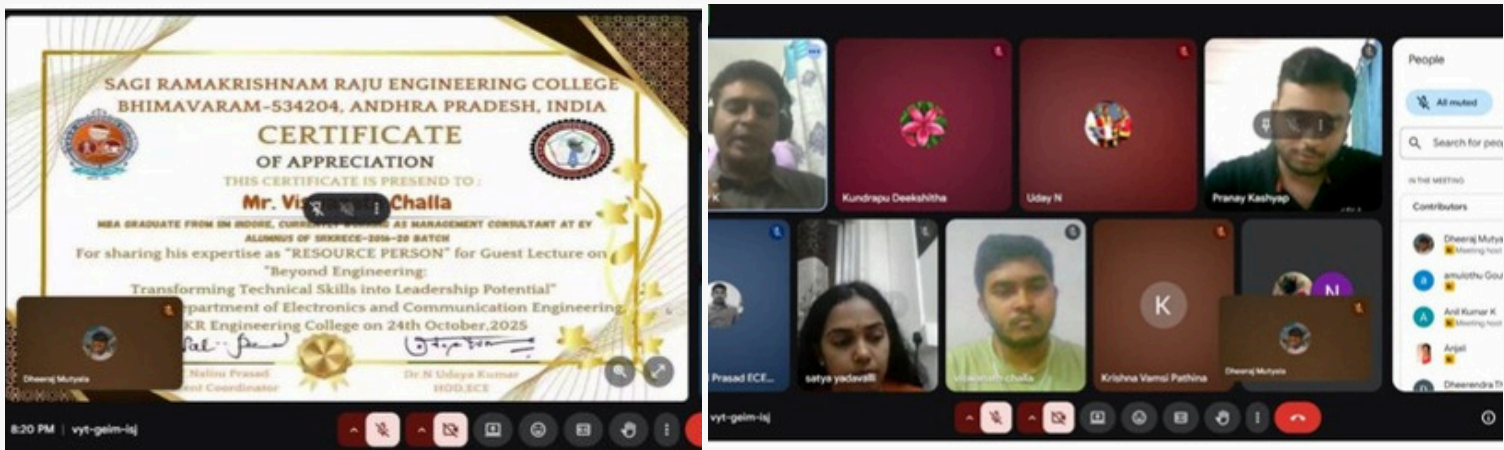
The Department of Electronics and Communication Engineering, in association with the Centre of Excellence in VLSI, S.R.K.R. Engineering College, Bhimavaram, organized a five-day value-added course titled "Overview of DSCH Software" from 13th to 17th October 2025. The program was coordinated by Dr. K. Bala Sindhuri and Sri Y. S. S. Sriramam, and the sessions were delivered by Dr. K. Bala Sindhuri, Associate Professor, ECE, who provided hands-on training on DSCH software used in the VLSI design workflow. Participants were introduced to the DSCH environment, schematic design, and simulation of digital circuits including CMOS inverter, half and full adders, subtractors, and selected sequential circuits, with emphasis on timing analysis and logic verification. The course strengthened students' understanding of digital design through tool-based learning, enhanced their readiness for advanced EDA tools, and contributed to skill development aligned with SDG 4 (Quality Education), SDG 8 (Decent Work and Economic Growth), and SDG 9 (Industry, Innovation, and Infrastructure), preparing them for careers in VLSI and semiconductor industries.

THREE-DAY WORKSHOP ON IOT AND EMBEDDED SYSTEMS: A HANDS-ON LEARNING EXPERIENCE FOR ECE STUDENTS



The IETE Student Forum (ISF) of the Department of Electronics and Communication Engineering organized a three-day workshop on “IoT and Embedded Systems” for II-year ECE students from 23rd to 25th October 2025 in the Skill Development Lab. The program was conducted in the presence of Dr. N. Udaya Kumar, HoD, ECE, Dr. T. V. Hyma Lakshmi, IETE Faculty Advisor, and Dr. K. N. V. Satyanarayana, IETE Faculty Coordinator, who motivated students to explore innovation through IETE activities. The workshop provided hands-on exposure to IoT and embedded systems using platforms such as Tinkercad, Arduino IDE, PlatformIO, ThingSpeak, Wokwi, ESP32, Arduino UNO, Ultrasonic Sensors, and Raspberry Pi. Students implemented projects like a Smart Water Bottle, LED simulations, sensor interfacing, and distance measurement, along with quizzes, interactive discussions, and feedback sessions. The workshop enhanced students’ understanding of hardware–software integration, IoT platforms, and real-time applications, and concluded with a valedictory session appreciating the organizers P. L. S. Prasanna and K. Rakesh, while participants expressed positive feedback on the practical learning experience.

“LEADERSHIP AND CAREER TRANSFORMATION” - TRANSFORMING ENGINEERS INTO LEADERS: AN ONLINE GUEST LECTURE



The Department of Electronics and Communication Engineering, S.R.K.R. Engineering College (Autonomous), Bhimavaram, organized an online guest lecture on “Beyond Engineering: Transforming Technical Skills into Leadership Potential” on 24th October 2025 at 7:00 PM via the Google Meet platform. The session was delivered by distinguished ECE alumni Mr. Anil Kumar Kamodula (MBA, IIM Bangalore; Lead – AIML Practice, JP Morgan Chase & Co.), Mr. Viswanath Challa (MBA, IIM Indore; Management Consultant, EY), Miss Satya Yadavalli (MBA, IIM Mumbai; former TCS professional), and Mr. Pranay Kashyap (PGDM, GLIM Chennai; former Gainsight professional), belonging to the 2006, 2020, and 2022 batches. Dr. N. Udaya Kumar, HoD, ECE, delivered the opening remarks highlighting the importance of leadership and management skills for engineers. The speakers shared insights on transitioning from technical roles to leadership positions, emphasizing continuous learning, adaptability, communication skills, and diverse career pathways, followed by an interactive Q&A on MBA preparation and career building. The session was coordinated by Sri T. Nalini Prasad, Assistant Professor, with student coordinators Dheeraj Mutyala, L.V.N.S.S. Shanmukha, and D. Leela Bhuvana Valli (II/IV ECE), and witnessed participation from 45+ students and faculty members, concluding with a vote of thanks by Miss D. Leela Bhuvana Valli.

ENHANCING EMPLOYABILITY SKILLS THROUGH "CAMPUS TO CORPORATE PROGRAM" - CAREER GUIDANCE SESSION



The Department of Electronics and Communication Engineering, SRKR Engineering College, Bhimavaram, organized a Career Talk on "Campus to Corporate" for B.Tech ECE students on 3rd December 2025 at the Skill Development Lab under the EduSkills CareerTalk initiative. The session was delivered by Mr. Manash Kumar Bhattacharyya, Head HR (North & West), Asia BU – Keller, who shared valuable insights on transitioning from campus life to corporate culture, cracking placements, resume building, interview strategies, and the importance of technical skills, soft skills, adaptability, and professional mindset. He also introduced students to career opportunities through the EduSkills platform, highlighting industry-aligned courses, virtual internships, and certifications. The program was convened by Dr. S. S. Mohan Reddy, Professor & Head, ECE, and coordinated by Mrs. K. L. Divya and Mr. Y. S. S. Sriramam, Assistant Professors, ECE. The event witnessed enthusiastic participation from students and faculty and provided practical guidance to enhance career readiness and professional growth.

INAUGURATION OF CENTER OF EXCELLENCE IN EMBEDDED SYSTEMS IN ASSOCIATION WITH VECTOR INDIA

1. Name of the event: Inauguration of Center of Excellence in Embedded Systems by VECTOR INDIA in association with ECE Department SRKR ENGINEERING COLLEGE

2. Dates:09-12-2025

3. Details of Resource Persons:

- Rudraraju Seetaramanjaneya Raju CEO at VECTOR INDIA
- G Satish Manager at VECTOR INDIA
- Y. Sunil Kumar Academia Manager at VECTOR INDIA

4. Details of Coordinator:

Sri.N Kishore Chandra Dev
Sri. Nalini Prasad Tirumani

5. Objective of the program: Strengthening industry-institute collaboration and proposing advanced research and innovation

6. Number of participants: 100 (Students and faculty)

During the event, Mr. G. Satish, Manager at VECTOR INDIA, delivered an informative address highlighting the importance of the Center of Excellence. He stated that the establishment of this CoE would significantly strengthen collaboration between industry and educational institutions. By providing students with access to advanced software and hardware resources, the center would enhance their practical understanding of microprocessors and microcontrollers. He further informed that online training programs would be conducted by VECTOR INDIA in the coming days for interested students, ensuring the development of industry-ready professionals equipped with relevant skills

As part of the establishment of the Center of Excellence, Mr. Rudraraju Seetaramanjaneya Raju, CEO of VECTOR INDIA, and Mr. Y. Sunil Kumar, Academia Manager, handed over hardware kits, interfacing components, and five personal computers (PCs) to the Director, Principal, and Head of the ECE Department, thereby formally establishing the CoE Embedded Systems Laboratory.

The Department of Electronics and Communication Engineering, SRKR Engineering College, in association with VECTOR INDIA, inaugurated the Center of Excellence (CoE) in Embedded Systems on 09-12-2025, with participation from 100 students and faculty members. The event was graced by Mr. Rudraraju Seetaramanjaneya Raju, CEO, VECTOR INDIA, Mr. G. Satish, Manager, and Mr. Y. Sunil Kumar, Academia Manager, and was coordinated by Sri N. Kishore Chandra Dev and Sri Nalini Prasad Tirumani. The objective of the program was to strengthen industry-institute collaboration and promote advanced research and innovation. During the event, Mr. G. Satish highlighted the role of the CoE in enhancing students' practical knowledge of microprocessors and microcontrollers through access to advanced hardware and software resources, and announced upcoming online training programs by VECTOR INDIA to develop industry-ready professionals. As part of the inauguration, the VECTOR INDIA team formally established the CoE Embedded Systems Laboratory by handing over hardware kits, interfacing components, and five personal computers to the Director, Principal, and Head of the ECE Department.

DISTINGUISHED PROFESSOR, ACADEMIC LEADER AS NEW HOD IN ECE

A highly experienced and dedicated Professor of Electronics and Communication Engineering with over 25 years of teaching, research, and academic leadership experience, currently serving as Professor & Head, ECE, S.R.K.R. Engineering College, Bhimavaram. Holds a Ph.D. in Electronics and Communication Engineering from Andhra University (2018) with specialization in Microstrip Antennas, along with an M.Tech from NIT Kurukshetra (2003) and B.Tech from Rajarajeswari Engineering College, Chennai (2000). Has authored more than 45 research papers in reputed national and international journals, with academic interests in communication systems, signal processing, and emerging wireless technologies. Possesses extensive expertise in curriculum design, mentoring undergraduate and postgraduate students, supervising research scholars, and departmental administration, having served as Assistant Professor (2000–2008), Associate Professor (2009–2022), Professor (2022–present), and Professor & Head (2025–present) at S.R.K.R. Engineering College. Strongly committed to academic excellence, research-driven teaching, industry collaboration, and fostering innovation through interdisciplinary engagement.

BIO-DATA**Dr. SATTI. S. MOHAN REDDY****Professor & Head**

Department Of Electronics and Communication Engineering,
S R K R Engineering College, Chinamiram, Bhimavaram – 534 204.
West Godavari District, Andhra Pradesh, INDIA
Mobile: +91 9849238118
e-mail : sahulmohan729@gmail.com, mohanreddysatti@srkrec.ac.in

**Teaching Experience: 25 Years**

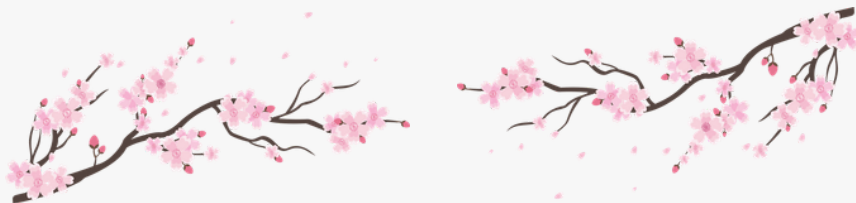
University/ College	Designation	From	To	Period
S.R.K.R.EngineeringCollege, Bhimavaram, A.P.	Professor & Head	25 th October 2025	Till Date	--
S.R.K.R.EngineeringCollege, Bhimavaram, A.P.	Professor	1stJanuary 2022	Till Date	4 Years
S.R.K.R.EngineeringCollege, Bhimavaram, A.P.	Associate Professor	1 st January 2009	31 st December 2022	13 years
S.R.K.R.EngineeringCollege, Bhimavaram, A.P.	Asst. Professor	1 st November 2000	31 st December 2008	8 years

Professional Summary

Exceptionally seasoned and dedicated Engineering Professor with a strong record in teaching, research and administration. Professor of Electronics and Communication Engineering with over 25 years of experience in teaching, research, and academic leadership. Ph.D. in Electronics and Communication Engineering from Andhra University and have authored more than 45 research papers in reputed, high-impact national and international journals. Academic interests include communication systems, signal processing, and emerging wireless technologies. Extensive experience in curriculum design, mentoring undergraduate and postgraduate students, supervising research scholars, and leading departmental initiatives. Committed to academic excellence, industry collaboration, and fostering innovation through research-driven teaching and interdisciplinary engagement.

Educational Qualifications :

Institution Studied	Degree	Year	Field of Specialization
Andhra University	Ph.D	March 2018	Microstrip Antennas
National Institute of Technology, Kuruahetra	M.Tech	Jan, 2003	Electronics & Communication Engg.
RajarajeswariEngg. College, Chennai	B.Tech	April,2000	Electronics & Communication Engg.



INDUSTRY-ACADEMIA INITIATIVE: QNX ORIENTATION PROGRAM AND COE IN EMBEDDED & IOT



The **Department of Electronics and Communication Engineering, SRKR Engineering College**, successfully organized a **Student Orientation Programme** on the **QNX Program** along with the **Inauguration of the Center of Excellence (CoE) in Embedded Systems and Internet of Things (IoT)** on **16th December 2025** from **2:00 PM to 3:30 PM**. The program was inaugurated by **Mr. Srinivas Raju J, APAC CEO, Pi Square Technologies**, in the presence of **Dr. M. Jagapathi Raju, Director**, **Dr. K. V. Murali Krishnam Raju, Principal**, and **Dr. S. S. Mohan Reddy, HoD, ECE**. The event aimed to create awareness about the QNX program, its significance in modern embedded systems, and the opportunities arising from industry collaboration. **Mr. Srinivas Raju J** delivered an insightful session on the **QNX real-time operating system, covering its applications in automotive, industrial automation, IoT, safety-critical systems, training structure, certification benefits, and career prospects, followed by an interactive Q&A session**. The Director and Principal emphasized the importance of the **MoU and industry-academia collaboration in enhancing employability and industry readiness**. The guest was **felicitated** by the **HoD and faculty members**, and the program concluded with a vote of thanks, marking the CoE as a major step toward fostering innovation, hands-on learning, and industry-oriented skill development among **ECE** students.