V R Siddhartha School of Engineering
Siddhartha Academy of Higher Education
(An Institution Deemed to be University)
Department of ECE
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NEWSLETTER

EVENTS ORGANIZED IN THE DEPT

ECE DISTINGUISHED ALUMNI LECTURE SERIES ON "EMERGING CAREER OPPORTUNITIES IN ANTENNA ARRAY TECHNOLOGIES" WAS CONDUCTED ON 4TH APRIL 2026.

Guest: Mr.Ganimidi Veerenda Nath, RF and Antenna Senior Design Engineer,CoreEL
Technologies India Pvt.Ltd.
Batch: 2014-2016 PG Alumnus

Mr. Ganimidi Veerendra Nath delivered an informative lecture on "Emerging Career Opportunities in Antenna Array Technologies", highlighting the growing significance of antenna systems in modern communication domains such as 5G, radar, and wireless networks. Drawing from his professional experience at CoreEL Technologies, he explained the practical aspects of RF and antenna design, emphasizing industry expectations and current technological trends.
He stressed the importance of building strong fundamentals in electromagnetics, antenna theory, and RF engineering, along with gaining hands-on experience through projects and internships.
Mr. Veerendra Nath also encouraged students to stay updated with evolving technologies and develop problem-solving skills to succeed in the competitive electronics and communication industry. His session motivated students to explore specialized career paths in antenna and communication system design with confidence.

Mr. Veerendra Nadh delivering inspiring lecture

Mr. Veerendra Nadh with dept. of ECE students

Dept of ECE with Mr.Veerendra Nath

FIELD VISITS/INDUSTRY VISIT BY STUDENTS UNDER GUIDANCE OF FACULTY

INDUSTRIAL VISIT-

The Department of Electronics and Communication Engineering, Siddhartha Academy of Higher Education, organized an industrial visit to Efftronics Private Limited, Mangalagiri, on 03 April 2026.

A total of 55 students, along with faculty coordinators Mr. V Shiva Reddy and Dr. R V H Prasad, participated in the visit. The group departed from the college at 1:00 PM and reached the company as scheduled.

The session began with an address by the HR representative, who provided an overview of the company, its key products, ongoing developments, and various career opportunities available for students.

Following the introduction, students were taken to the R&D Development Center, where they were divided into four batches for better interaction and understanding.

Each batch was given detailed demonstrations and explanations on:

- Embedded Systems
- Internet of Things (IoT)
- Railway Signaling Systems
- PCB Design and Development

The experts explained real-time applications and current projects being developed in these domains.

Subsequently, the students visited the Production and Assembly Unit, where they observed:

- Automated PCB manufacturing processes
- Assembly of railway signaling equipment

This provided practical exposure to industrial workflows and manufacturing techniques.

The visit concluded with valuable insights into industry practices and technologies. The team departed from the company and returned to the college by 6:30 PM.

FDPS ATTENDED BY FACULTY -

Dr. K. Shri Ramtej attended the one day National workshop on "Next-Generation IoT and Smart Network Communications: NOMA and Rate-Splitting Approaches" conducted on 04.04.2026 by the Department of Communication Engineering, School of Electronics Engineering, Vellore Institute of Technology, Vellore.

Potluri Janardhana Moorty centre for RF and Microwave Measurements-

The Potluri Janardhana Moorty centre for RF and Microwave Measurements was formally inaugurated on 11 April 2026 by Shri Potluri Janardhana Moorty, Founder of Sonovision Group, along with his wife and family members. The establishment of this state-of-the-art laboratory was made possible through a generous contribution of Rs. 20,00,000/- donated by Shri Potluri Janardhana Moorty and his family to Siddhartha University.

The donated funds were utilized for the procurement and installation of an RF Anechoic Chamber, a specialized facility designed for advanced antenna and radio frequency (RF) measurements. The laboratory has been established in the Department of Electronics and Communication Engineering (ECE), located in the Dr. V. L. Dutt Block, Room No. EC-344.

The chamber provides a controlled electromagnetic environment free from external interference and reflections, enabling accurate characterization of RF devices. It is capable of measuring important antenna parameters such as radiation patterns, gain, directivity, efficiency, and polarization characteristics of RF systems operating over a wide frequency range from 100 MHz to 40 GHz. The RF Anechoic Chamber significantly enhances the research and development capabilities of the university in the areas of antenna design, wireless communications, microwave engineering, radar systems, satellite communications, and emerging 5G/6G technologies. The facility is expected to benefit undergraduate students, postgraduate students, research scholars, and faculty members by providing hands-on experience and supporting high-quality research activities.

The inaugural ceremony was attended by distinguished dignitaries of Siddhartha University, including the SAGTE members, Chancellor, Vice-Chancellor, Pro Vice-Chancellor, Registrar, Deans of various schools, Heads of Departments, faculty members, research scholars, and students. During the event, the university administration expressed its sincere gratitude to Shri Potluri Janardhana Moorty and his family for their generous support and commitment toward the advancement of technical education and research.
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Workshop on
Introducing Rust for Embedded Development

The Department of Electronics and Communication Engineering organized an Industry Workshop on "Introducing Rust for Embedded Development" for undergraduate (3rd year) students on 25th April 2026 from 10.00AM to 1.00PM. The workshop was conducted by Mr. Chandra Prabhanjan Kumar, Founder & CEO, TURYON Tech Labs Pvt. Ltd., Vijayawada, an industry expert with over 25 years of global experience in embedded systems and product development. The three-hour interactive session introduced students to the fundamentals of the Rust programming language and its growing significance in embedded systems and safety-critical applications. Students gained hands-on exposure to Rust programming without the need for software installation or specialized laboratory setup. The workshop emphasized concept-based learning and compared Rust concepts with their C-language counterparts, enabling students to understand the advantages of memory safety and modern software development practices. The resource person highlighted the increasing adoption of Rust by major automotive manufacturers, semiconductor vendors and the Linux kernel community.

He also discussed the role of memory-safe programming languages in the development of secure and reliable embedded systems. Students were introduced to emerging industry trends, vendor-supported Rust development ecosystems and future career opportunities in embedded software engineering. The session concluded with an interactive discussion, where students clarified their doubts regarding Rust, embedded systems and industry expectations.