



## *Events organized in the department*

### **Five Day Faculty Development Program**

#### **Practical Aspects of Compact Antennas for**

#### **Electronic Welfare and Next Generation Wireless Systems**

On December 16, 2024, an informative event took place, marking the launch of FEKO software, accompanied by an engaging hands-on session on HORN and patch antennas. The session was led by experts B. Sai Kumar, Senior RF Engineer, and Kavya Sri, Application Engineer, from Tech FLUENT Solutions Pvt. Ltd., Hyderabad. Participants had the opportunity to gain practical knowledge in antenna design and simulation using FEKO, leading electromagnetic analysis software. This session served as an invaluable learning opportunity for RF enthusiasts and professionals looking to enhance their technical skills.



On December 17, 2024, an enlightening session on "Futuristic Applications of Stealth Technology" was conducted, featuring Dr. Ch. Anil Kumar, a distinguished scientist with a Ph.D. from QUB, U.K., and esteemed fellowships including FIETE and FIE. As Scientist-E in the RCS Division of TDWT, NSTL, Visakhapatnam, Dr. Kumar brought extensive expertise in advanced defense technologies. Participants explored cutting-edge advancements and potential applications of stealth technology, delving into innovative solutions for reducing radar cross-sections and enhancing strategic capabilities. The session provided valuable insights into the future of stealth and its transformative impact on defence systems. On December 18, 2024, a session on "Smart Antennas for Next-Generation Wireless Systems" was conducted, led by Dr. M. Gulam Nabi Alsath, an esteemed Associate Professor from the Department of ECE, College of Engineering, Guindy, Anna University. The session delved into the innovative design and implementation of smart antennas, highlighting their role in enhancing the performance of future wireless communication systems. On December 19, 2024, a session on "Microwave Sensors Technology and Future Prospects" was led by Dr. Gobinda Sen, an Associate Professor in the Department of ECE at the Institute of Engineering & Management (IEM), Kolkata, West Bengal. This session explored the cutting-edge advancements in microwave sensor technology and its wide-ranging applications in industries such as healthcare, defence, and environmental monitoring. On December 20, 2024, a session on "RF Measurements" was conducted by Mr. P. Kalee Prasad, a Senior Engineer from Doordarshan, Vijayawada. The session focused on the techniques and tools used for precise RF measurements, which are crucial for the design, testing, and optimization of RF systems. Participants learned about measurement methodologies, challenges, and the practical aspects of working with RF equipment.

## FDPs/Workshops/Guest lecture attended by faculty

- Dr. K. Shri Ramtej, has successfully participated & completed AICTE Training And Learning (ATAL) Academy C-High Performance Computing for Medical Image Processing and Computer Vision at MNNIT Allahabad from 09/12/2024 to 14/12/2024.
- Mr. A Ravi Raja, has successfully participated & completed One Week Online FDP on “Usage of Deep Learning, Machine Learning and Artificial Intelligence towards Smart Mobility” online organized by K L Deemed to be University, from 16th December to 21st December 2024.
- Dr. Venkata Sainath Gupta T, has successfully participated & completed AICTE Training And Learning (ATAL) Academy Online Faculty Development Program on “High Performance Computing for Data Intensive and Complex AI Applications” by CBIT, Hyderabad from 02/12/2024 to 07/12/2024.
- Dr. Venkata Sainath Gupta T, has successfully participated in “Online workshop on Bhoonidhi” organized by NRSC, Hyderabad on December 10, 2024.
- Dr. Vanka Saritha has participated in Faculty Development Program on “Practical Aspects of Compact Antennas for Electronic Warfare and Next generation Wireless Systems” organized by Department of ECE, Siddhartha Academy of Higher Education, and Vijayawada during 16-20 December 2024.
- Ms. NSN Malleswari has participated in Faculty Development Program on “Practical Aspects of Compact Antennas for Electronic Warfare and Next generation Wireless Systems” organized by Department of ECE, Siddhartha Academy of Higher Education, and Vijayawada during 16-20 December 2024.
- Dr. Pratikhya Raut has participated in Faculty Development Program on “Practical Aspects of Compact Antennas for Electronic Warfare and Next generation Wireless Systems” organized by Department of ECE, Siddhartha Academy of Higher Education, and Vijayawada during 16-20 December 2024.

## Publications by faculty....

- K V Ratna Prabha, and Ravi Raja A, Presented a conference on 27.12.2024 through online, at “4th International Conference On Innovative Sustainable Computational Technologies” 27-28 December 2024, GEIMS, Dehradun Organized by Dept. of Computer Science & Engineering Graphic Era deemed to be University Dehradun”, Paper Title: “Enhancing Road Safety and Compliance: A Reliable Number Plate Recognition System on Raspberry Pi with Integrated Rear-View Camera Analysis”

## Industry visit

- Dr. Pratikhya Raut and Mrs. ST Mrudula Assistant professors of ECE attended a one week training program regarding Semiconductor IC testing at Tessolve Semiconductor Bangalore from Dec 2nd to Dec 7th 2024..



## V R Siddhartha Engineering College Department of ECE News Letter Editorial Board

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