



**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

ENGINEER'S DAY CELEBRATIONS-

On Engineer's Day, Department of ECE conducted IDEATE-2k25 (Idea Presentation) event on 11.09-2025 to encourage young minds and distributed prizes on 15.09.2025. Total 62 teams participated and presented various innovative ideas.



IEEE SPS SEASONAL SCHOOL ON "SIGNAL PROCESSING IN MEDICAL IMAGING: FROM ENGINEERING TO CLINICAL DIAGNOSTICS"

The Department of Electronics and Communication Engineering, Siddhartha Academy of Higher Education, successfully organized the IEEE SPS Seasonal School on "Signal Processing in Medical Imaging: From Engineering to Clinical Diagnostics" from 21st to 25th July 2025 at Velagapudi Ramakrishna Siddhartha School of Engineering, Vijayawada. The program, supported by IEEE Hyderabad Section and IEEE SPS Hyderabad Chapter, aimed to bridge engineering innovations in signal processing with clinical applications in healthcare. A total of 74 participants, including students, research scholars, and faculty, attended both online and offline.





The five-day event featured expert talks on AI/ML in medical imaging, neural networks, speech-based diagnosis, FPGA applications, NumPy-based image analysis, and 5G-enabled healthcare technologies, along with clinical perspectives from neurosurgery, pathology, anatomy, and dental imaging. Hands-on sessions provided practical experience in AI diagnostic models, FIR filter and FPGA design, and ML-based pre-diagnostic tools. The event fostered interdisciplinary collaboration, enhanced participants' technical skills, and offered exposure to real-world clinical case studies.



STUDENTS ACHIEVEMENT



Bommareddy Bharath Reddy won the I Prize for his poster presentation on “Split-Ring Resonator-Based RF Detector for Wireless Communication Applications” at the 2k25 VEDA – Student Symposium held on 15th–16th September 2025 at Aditya University, Surampalem. Additionally, Seeramreddy Purna Chandra Sri Karthik, along with Sureddy Prabhu Prakash Reddy and Perecharla Pranav, secured the III Prize for their poster on “TVWS-Enabled Smart Wi-Fi for Rural Connectivity” at the same event.



CONFERENCES ATTENDED

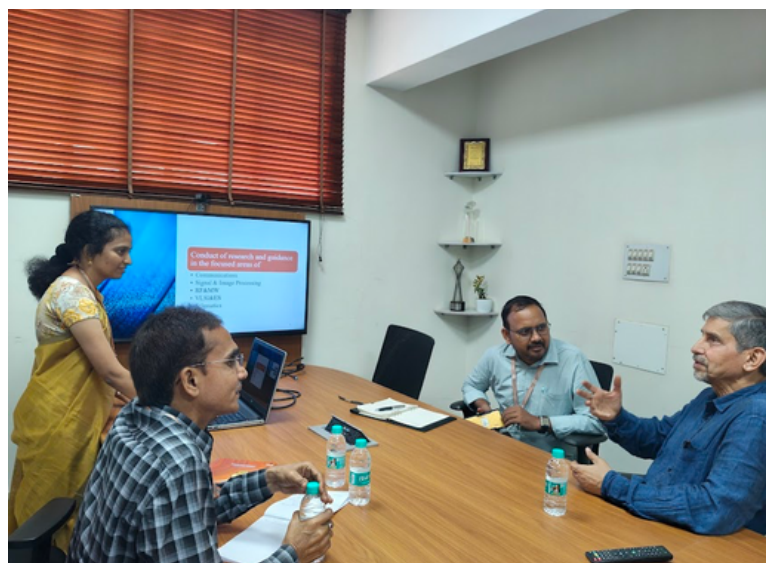


- Gowri Sri Sannihitha Vaddi, Saritha Vanka, Divya Sai Vittamsetti, Sindhura Ravuri, “A Review of Wideband Antenna Technologies for UAV Communication Systems” 2025 IEEE Wireless Antenna and Microwave Symposium (WAMS)-23 September 2025.
- Gurrula Reshma, Pedada Sai Kumar, Shodagiri Divya, and K. Shri Ramtej presented a paper titled “Optimized CNN-Based Sound Event Classification via Bayesian Hyperparameter Search” at the 2025 International Conference on Electronics and Computing, Communication Networking and Automation Technologies (ICEC2NT), organized by DY Patil College of Engineering, Pune, held on 3rd–4th September 2025.

INDUSTRY – INSTITUTE INTERACTION

The Department of ECE at Siddhartha Academy of Higher Education (Deemed to be University), Vijayawada, organized an industry visit to Bengaluru from 13th to 17th September 2025, aimed at strengthening industry-academia collaboration and exploring opportunities for student internships, research, and consultancy. The visit was undertaken by Dr. A. Vijaya Sankar, Dr Shaik Fayaz Ahamed, Mr R V H Prasad, and Mrs. Y. Sarada Devi and included visits to Sunlux Technovations Pvt. Ltd., Dot Workplace Solutions Pvt. Ltd., and Bharat Electronics Limited.

At Sunlux Technovations, the faculty delivered a presentation about the institution, engaged in detailed discussions on internships and project opportunities, and received a problem statement for proposal submission, while interacting with Shri Sri Ram and Mr. Nautial regarding ongoing innovative projects.



At Dot Workplace Solutions, faculty were exposed to company operations, project culture, and industrial practices, interacted with Managing Director Shri Sankar Reddy, and received another industry problem statement for student projects.



The visit to BEL involved interactions with Mrs. Sobha Rani G, Senior DGM and AI Group Head, who is an alumna of the ECE department, and commitments were received for research fellowships for PG students, internships for UG batches, sharing of industry problem statements, faculty training programs, and the possibility of establishing an MoU.





Overall, the visits significantly strengthened industry–academia linkages, provided opportunities for industry-relevant projects and internships, initiated potential research and consultancy collaborations, and motivated faculty and students to align academic learning with practical industrial requirements, through meaningful engagement with industry leaders.

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