



## NEWSLETTER

### EVENTS ORGANIZED IN THE DEPT

#### SEMINAR ON “RANGE OPERATIONS FOR SATELLITE LAUNCH VEHICLES”, ON 31-03-2026 FOR THE BENEFIT OF B.TECH AND M.TECH STUDENTS

A One-Day Seminar on “Range Operations for Satellite Launch Vehicles” was organized by the Department of Electronics and Communication Engineering, Siddhartha Academy of Higher Education (Deemed to be University), sponsored by SAGTE, on 31-03-2026 at 10:00 AM in the ECE VLSI Research Centre. The seminar aimed to enhance the knowledge of B.Tech and M.Tech ECE students on satellite subsystems and communication technologies. The Chief Resource Person, Dr. B. V. Subbarao, Scientist G (Retd.), Former General Manager, Range Tracking Systems, SDSC SHAR, ISRO, shared his expertise on radar tracking, telemetry, and telecommand systems used in PSLV and GSLV missions. His session provided valuable insights into satellite launch operations and modern rocket technology. Key topics discussed included Satellite Launch Vehicles (PSLV, GSLV, LVM3, SSLV), Range Instrumentation Systems, Telemetry, Tracking and Command (TT&C), Optical Tracking Systems, and Satellite Communication Antennas. These systems are essential for monitoring rocket performance, ensuring safety, and enabling reliable communication between satellites and ground stations.



## **SEMINAR ON “ WAVELETS FOR SIGNAL PROCESSING IN RADAR APPLICATIONS”**

The Department of Electronics and Communication Engineering at Siddhartha Academy of Higher Education organized a seminar titled “Wavelets for Signal Processing in Radar Applications” on 7th March 2026 at the Avantel Laboratory. The seminar was conducted under the guidance of Dr. D. Venkata Rao and coordinated by Dr. A. Vijayasankar and Mrs. Y. Sarada Devi.

The session was delivered by Pammi Kalee Prasad, who explained radar fundamentals, challenges such as clutter and noise, and the need for advanced signal processing methods. He highlighted the advantages of wavelet transforms over conventional techniques like Fourier Transform and Short-Time Fourier Transform for analyzing non-stationary signals. The seminar was informative and beneficial for M.Tech students and concluded with a vote of thanks to the speaker and organizers.



### **CONFERENCES:**

- Bindu Priya Makala, Manoj Kumar D, B L Sirisha, “Deep Learning based Automated Diabetic Retinopathy Classification”, 2026 6th International Conference on Expert Clouds and Applications (ICOECA), 9-11, March 2026, RV College of Engineering, Bengaluru, Karnataka, India

### **PUBLICATIONS WITH STUDENTS.....**

#### **CONFERENCES:**

- K. S. V. L. Ram Prasad, M. Pavani, C. N. Krishna Sai and K. Shri Ramtej, "Machine Learning-Based Early Detection of Urinary Tract Infections from Urinalysis Data," 2025 2nd Asian Conference on Intelligent Technologies (ACOIT), KOLAR, India, 2025, pp. 1-5, doi: 10.1109/ACOIT66109.2025.11436637.
- Bindu Priya Makala, Nagisetty Keerthana, Shaik Yasin, Vadrevu Sai Suchitha, "Fuzzy Logic-based Age Estimation from Dental X-Ray Images, 2026 International Conference on Machine Learning and Autonomous Systems (ICMLAS), 11-13, March 2026, Stamford International University Bangkok, Thailand.

**STUDENT ACHIEVEMENTS:**

***Congratulations***



**All India GATE  
Rank  
3491**

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**All India GATE  
Rank  
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**20 students** have qualified for GATE

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Siddhartha Academy of Higher Education  
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