



NEWS BULLETIN
#14
**KNOW THE
UNKNOWN**

DEPARTMENT OF ECE



ISSUE: 14 JAN-MAR 2025

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Guest Lectures



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Hands On Training Programs

UP COMING EVENTS

- 5 Guest lecture
- Impathon
- Electroblitz
- Fractals

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ATAL-FDP



GUEST LECTURES

Knowledge Rebooting

The Department of Electronics & Communication Engineering proudly organized an International Workshop on “Introduction to Microprocessors & Microcontrollers” on 24 January 2025 at the PG Auditorium. The Resource Person was Mr. Hareesh Janakiraman, Director, Embedded-Guru LLC, Houston, Texas Fulbright Specialist (USA).



The Department of Electronics & Communication Engineering at Sona College of Technology organized a Guest Lecture on “Industrial IoT and LoraWAN Technology” on 31.01.2025 at MBA Seminar Hall. The Resource Person was Ms.S.Sushma, Senior Technical Engineer, Enthi Technology Solutions India Pvt. Ltd.,Coimbatore and Mr.Srinivas C,Senior Technical Engineer, Enthi Technology Solutions India Pvt. Ltd., Coimbatore.

The Department of Electronics & Communication Engineering at Sona College of Technology organized a Guest Lecture on “Future prospects for Electronic Engineers: Key trends & Essential Skills” by Mr.S.Sundara moorthy, CEO Sunshive Electronic Solutions, Coimbatore.



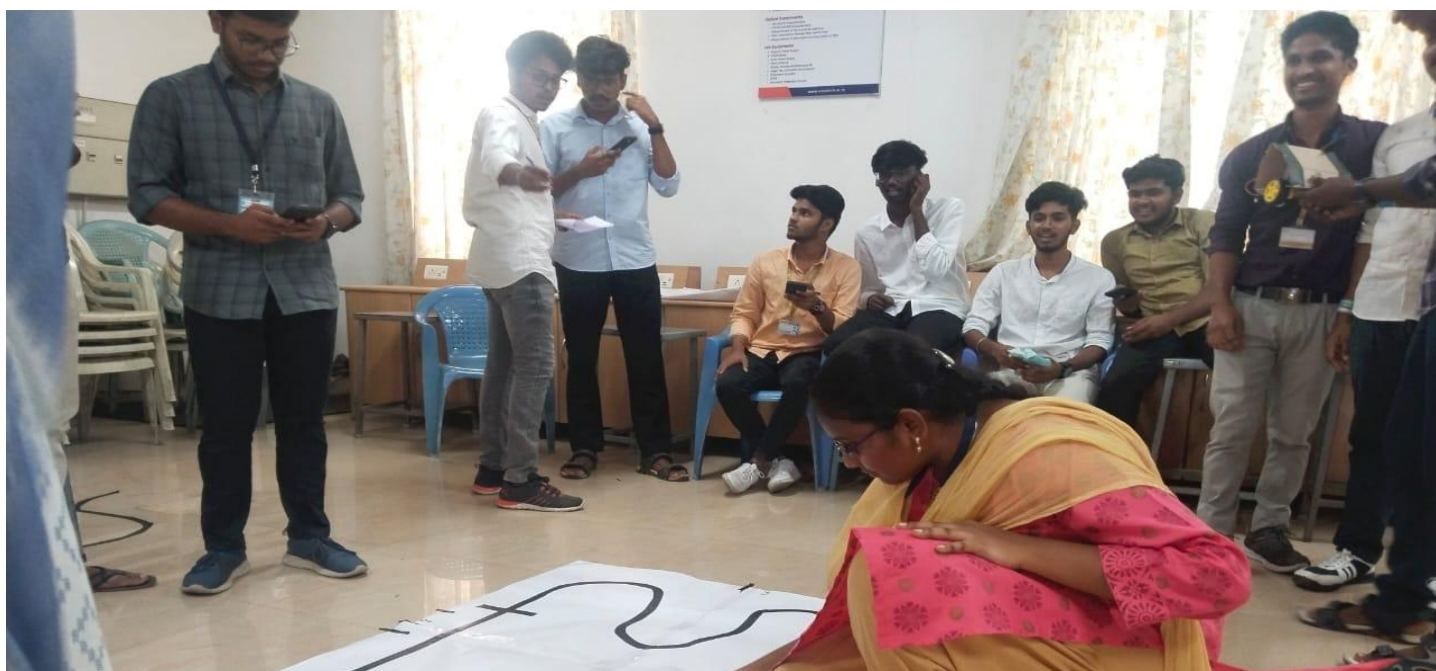
Fractals'25 & I'VENOR '25



Department of ECE, Sona College of Technology, Salem has organized FRACTALS '25 & I'VENOR '25 - An Inter Collegiate National Level Technical Symposium on Feb 27, 2025 and Feb 28, 2025. Over two days of innovation, competition, and collaboration, students from various institutions showcased their technical skills and problem-solving skills through a series of technical events, workshops, and non-technical activities.

Technical Brilliance Unleashed, Paper Presentations, Tech Quiz, Project Spotlight, Robo Race, Idea Presentations, Line Follower, Tech Debate, Hands-on Learning in Workshops, Full Stack Development, VLSI, Machine Learning & MATLAB., Engaging Non-Technical Events, IPL Auction, Among Us and Connections were conducted.





Line Follower

ATAL- FDP

Department of ECE has successfully organized the AICTE ATAL Faculty Development Program (FDP) on “Transforming Tomorrow: Unleashing the Power of Machine Learning and Cutting-edge Signal & Image Processing for Industrial and Societal Impact” from 03.02.2025 to 08.02.2025. This FDP provided an invaluable platform for learning and discussion, with each day featuring two insightful sessions led by distinguished experts:

Day 1:

- ◆ Session 1: Introduction to Machine Learning Concepts, Algorithms, and Tools – By Dr Surendiran B, Associate Professor, National Institute of Technology (NIT), Puducherry.

◆ Session 2: Overview of Signal and Image Processing: Fundamental Techniques & Current Trends – By Dr. R.S.Sabeenian Sarcius, Professor & HOD/ECE, Sona College of Technology, Salem.

Day 2:

◆ Session 1: Supervised and Unsupervised Learning Applications in Signal Processing – By Dr. S.Mansoor Roomi, Professor/ECE, Thiagarajar College of Engineering, Madurai.

◆ Session 2: Deep Learning for Image Processing: CNNs, RNNs, and Transfer Learning – By Dr. Vijayarajan R, Associate Professor, Vellore Institute of Technology University, Chennai.

Day 3:

◆ Session 1: Advanced Signal Processing Techniques: FFT, Wavelet Transforms, and Filter Design – By Dr. T. Shanthi, Associate Professor/ECE, Sona College of Technology, Salem.

◆ Session 2: Industrial Applications: Predictive Maintenance, Quality Control, and Process Optimization – By Ms. Niveitha M. , Education Customer Success Team, MathWorks, Bengaluru.

Day 4:

◆ Session 1: Image Enhancement, Restoration, and Segmentation Techniques – By Dr Esakkirajan S – PSGCT , Professor, Instrumentation & Control Engineering, PSG College of Technology, Coimbatore.

◆ Session 2: Societal Applications: Medical Imaging, Remote Sensing, and Public Safety – By Dr. MALMATHANRAJ RAMANATHAN, Assistant Professor, Institute of Technology, Trichy.

Day 5:

- ◆ Session 1: Ethical and Societal Implications of ML and Image Processing – By Dr. Vijaykumar V. R., Professor, MIT, Chennai.

- ◆ Session 2: Industrial Visit.

Day 6:

- ◆ Session 1: Challenges in Industrial Deployment: Scalability, Real-time Processing & Security – By Mr. Sourav Gogoi, Project Head, VVDN Technologies Pvt. Ltd., Bengaluru.

- ◆ Session 2: Article Summary, MCQ & Reflection Journal.

