



FIVE-DAY HANDS-ON TRAINING ON FOUNDATIONS OF PYTHON PROGRAMMING AND MATLAB/SIMULINK

27th to 31st October, 2025 | 09:00 AM to 04:30 PM
Computer Lab, EEE Department, ECE/EEE Block, Acharya Campus



About the Program

This five-day hands-on training program is designed to introduce Electrical and Electronics Engineering students to the fundamentals of Python programming and MATLAB/Simulink. The value-added program emphasizes practical learning through coding, circuit computation, and simulation exercises. Participants will gain essential skills in data analysis, visualization, and system modeling, bridging the gap between theoretical circuit knowledge and modern computational tools. By the end of the program, students will be equipped with the foundational knowledge to apply programming and simulation techniques in their core engineering subjects.

Objectives of the Program

- To provide hands-on training in Python and MATLAB programming for applications in Electrical and Embedded Systems.
- To enable students to analyze, solve, and visualize circuit problems using computational tools such as NumPy, Matplotlib, and Simulink.
- To enhance students' ability to apply simulation techniques for designing and testing electrical and logic circuits.

Expected Outcomes of the Program

- Develop and execute Python programs for applications related to Embedded Systems and Electrical Engineering.
- Utilize MATLAB or Python (NumPy and Matplotlib) to solve circuit equations and visualize results through appropriate plots.
- Design and simulate electrical/electronic circuits using Simulink.

Target Audience: 3rd Semester Students of EEE

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Committee Members

ADVISORY COMMITTEE

- Dr. C. K. Marigowda, Principal, AIT
- Dr. Rajeshwari, Dean Academic, AIT
- Dr. Rajashekar Patil, Head of Quality Assurance Acharya Institutes

CONVENER

- Dr. Lakshmikanth S, HOD – EEE, AIT

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Associate Professor & HOD - AIML,
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Dr. Pranita Niraj Palsapure

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LOCATE US

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