

Event Report: Hands-On Training on MATLAB

Event Title: Hands-On Training on MATLAB

Organized By:

- Department of Mechanical & Automation Engineering, Sri Sairam Engineering College in association with IEEE Instrumentation & Measurement Society (IMS)

Dates:

- **27th August 2024**
- **28th August 2024**

Venue: CAD Lab / Sri Sairam Engineering College, Chennai

Number of Participants: 93 students

Resource Persons:

- **Dr. T. Porselvi** - Professor, Department of Electrical and Electronics Engineering (EEE)
 - **Dr. L. Kurinjimalar** - Associate Professor, Department of Electrical and Electronics Engineering (EEE)
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Event Overview:

The Department of Mechanical & Automation Engineering at Sri Sairam Engineering College, in collaboration with the IEEE Instrumentation & Measurement Society, organized a two-day hands-on training session on MATLAB. The event took place on the 27th and 28th of August 2024, with a significant turnout of 93 enthusiastic students.

The primary objective of the training was to emphasize the significance of MATLAB in the industrial sector, particularly in the fields of automation, control systems, and data analysis. MATLAB, being a powerful tool used for mathematical modeling, simulation, and algorithm development, plays a crucial role in solving complex engineering problems, making this training highly relevant for the participants.

Session Highlights:

- **Day 1 (27th August 2024):**

The first day of the training was focused on introducing the participants to MATLAB's interface, basic functionalities, and toolboxes. Dr. T. Porselvi led the session, guiding the students through practical exercises that demonstrated how MATLAB can be used for solving mathematical problems and visualizing data. The session was interactive, with students engaging in hands-on practice to reinforce their understanding of the concepts.

- **Day 2 (28th August 2024):**

On the second day, the focus shifted to advanced applications of MATLAB in engineering. Dr. L. Kurinjimalar conducted the session, where she delved into topics such as control systems, signal processing, and automation using MATLAB. The students were given real-world scenarios to solve, which helped them understand the application of MATLAB in industrial contexts. The training concluded with a Q&A session, where participants had the opportunity to clarify their doubts and discuss the potential of MATLAB in their future careers.

Outcome:

The training was a resounding success, with students gaining a deep understanding of MATLAB's capabilities and its applications in the industry. The participants expressed their appreciation for the detailed and practical approach taken by the resource persons. The event not only enhanced the technical skills of the students but also inspired them to explore further possibilities in the field of automation and control systems using MATLAB.

Conclusion:

The hands-on training on MATLAB organized by Sri Sairam Engineering College's Mechanical & Automation Engineering Department, in collaboration with the IEEE IMS Society, was a highly informative and productive event. The knowledge and skills imparted during the training will undoubtedly benefit the students in their academic and professional endeavors, equipping them with the tools needed to excel in the evolving landscape of engineering and technology.

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Event Photos:

