



Fig. 3 Glimpses

Details:

Chief Guest/ Guest of Honor: Nil
Designation: Nil

Speakers: Mr. S. Valai Ganesh, AP(SG)/Mech, RIT

Report

(maximum 250 words)

The **Department of Mechanical Engineering**, in association with the **Institution of Engineers (India) Mechanical Chapter**, successfully organized a **National-Level Workshop cum Internship** titled “**MECHSPRITZ '25 - Robotics and Automation: Industry 5.0 & Smart Factory**” on **28th March 2025**. The event aimed to introduce school students to the evolving landscape of **Robotics and Automation**, emphasizing the concepts of **Industry 5.0 and Smart Factory technologies**.

Mr. **S. Valai Ganesh, AP(SG)/Mech**, served as the **resource person**, providing insightful sessions on **robotic applications, automation advancements, and the integration of AI in smart manufacturing**. The event was coordinated by **Dr. S. Maharajan, ASP-I/Mech**, who ensured its smooth execution.

Workshop Highlights:

- **Introduction to Robotics & Industry 5.0**, covering **collaborative robots (cobots), AI-driven automation, and cyber-physical systems**.
- **Hands-on demonstrations** showcasing **robotic mechanisms, control systems, and industrial automation setups**.
- **Interactive sessions** where students learned about **sensor technology, PLC programming, and smart factory operations**.
- **Engaging discussions** on future career prospects in **robotics, automation, and Industry 5.0 technologies**.



A total of **70 students from classes X, XI, and XII**, representing various schools, actively participated in the workshop. They gained **practical exposure to robotic systems** and a fundamental understanding of **modern industrial automation techniques**.

The **Department of Mechanical Engineering** extends its gratitude to the **resource person, coordinator, and participants** for making this event a grand success. The workshop received **overwhelmingly positive feedback**, encouraging the department to organize more such knowledge-sharing sessions in the future.

Certificate Sample:



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