





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 collaboration with the **Institution of Engineers (India) Mechanical Chapter**, successfully organized a **guest lecture on “Emerging Workplace Health & Safety Challenges: Robotics & Automation in High-Risk Work Environments”** on **14th March 2025**. The session aimed to enhance students’ understanding of modern safety challenges in industrial environments and the role of robotics and automation in mitigating risks. Mr. S. Valai Ganesh, Assistant Professor (Senior Grade), Department of Mechanical Engineering, served as the resource person for the lecture. Faculty Coordinator: Dr. S. Rajakarunakaran, Professor & Head, Department of Mechanical Engineering. Student Coordinators: Ms. P. Lisha Bharathi, Mr. B. Shanmugapandi (II Year Mechanical Engineering)
- The session provided valuable insights into **workplace safety concerns**, especially in **hazardous industrial settings** where robotics and automation play a significant role in minimizing human exposure to dangerous environments. Topics covered included **risk assessment, automation in hazardous industries, robotic applications in safety measures, and future advancements in workplace safety technologies**.
- **Case studies** of industrial accidents and how automation could have prevented them were discussed to provide practical exposure to students. The lecture also emphasized **industry trends, regulatory frameworks, and the importance of human-robot collaboration** in ensuring a safe working environment.



**Certificate Sample:**



MR. S. VALAI GANESH  
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