

**A. V. Parekh Technical Institute, Rajkot**  
**Instrumentation & Control Department**  
**Event Report**

---

**Brief Report on "Expert lecture on the field of Instrumentation & Automation."**

**Detail Description of Event:**

On 23-JULY-2024, the Department of Instrumentation and Control Engineering at A. V. Parekh Technical Institute, Rajkot, organized an expert lecture on the "Basics of Instrumentation & Automation." The lecture was aimed at providing foundational knowledge to students on the key concepts of instrumentation and automation, focusing on their fundamental roles in industrial applications. The session was led by Mrs Zeel Parikh, Director, TECHMATION CONSUTANCY, who provided valuable insights into the core principles of instrumentation and its integration with automation systems.

**Objectives of the Event:**

1. To introduce students to the fundamental principles of instrumentation and automation.
2. To explain the basic functions and types of instruments used in industrial applications.
3. To provide an overview of automation systems and their role in process control.
4. To help students understand the importance of accurate measurement and control in industrial operations.

The event began with a welcome address by Mr. S.Z.Shyara, Head of the Department of Instrumentation and Control Engineering, who emphasized the importance of understanding the basics before diving into advanced technologies. The speaker then took the stage and engaged the audience with a structured presentation that broke down the essential elements of instrumentation and automation.

After the presentation, students had the opportunity to engage with the speaker during the Q&A session.

The expert lecture concluded with a vote of thanks from Mr. S.Z. Shyara, expressing gratitude to the speaker for his comprehensive overview of instrumentation and automation basics. The session provided a strong foundation for students, helping them better understand the significance of these technologies in industrial settings.

**Outcomes:**

1. Students gained a clear understanding of the basic concepts of instrumentation and automation.
2. The lecture laid the groundwork for students to explore more advanced topics in process control and automation.
3. The event highlighted the importance of accurate measurement and control in various industries.



