



Department of Mechanical Engineering

Topic Name:	Industrial Automation
Name of the Guest Speaker:	Mr. Sainath Phaujdar
Designation:	CEO
Organization/Institution:	Bassein Automation & Robotics, Vasai
Date:	17/10/2023
Time:	9.45-12.00pm

Programme Summary/Details:

The Department of Mechanical Engineering had the privilege of hosting Mr. Sainath Phaujdar for a guest lecture on "Industrial Automation." The event targeted third-year and final-year engineering students, aiming to bridge the gap between academic knowledge and real-world industrial practices. Mr. Phaujdar, a renowned expert in the field, shared his extensive knowledge and experience, providing valuable insights into the evolving landscape of industrial automation.

Key Components of Industrial Automation:

- The lecture detailed various components integral to automation systems, including sensors, actuators, controllers, and software.
- Mr. Phaujdar emphasized the role of Programmable Logic Controllers (PLCs) and Human-Machine Interfaces (HMIs) in achieving seamless automation.
- He explained how these technologies enable predictive maintenance, real-time monitoring, and data-driven decision-making.
- He also provided insights into future trends, including the rise of smart factories, the integration of 5G technology, and the increasing importance of sustainability in automation practices.

