



AJEENKYA
D Y PATIL UNIVERSITY
THE INNOVATION UNIVERSITY

**School of
Engineering**

Activity Report

Event Title: Industrial Visit to SIGMA Automation.

Organized by: SIGMA Automation in collaboration with Ajeenkya D Y Patil University

Date: 26 November, 6 & 10 December 2019

Venue: SIGMA Automation Pune

Faculty Coordinator: Prof. M M Kulkarni

Participants: Students of B.Tech (MX, ME), SOE

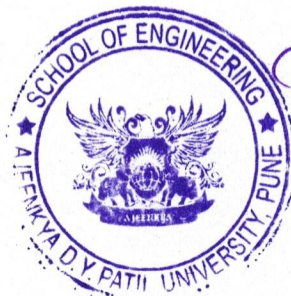
Objective

The primary objective of this 3-day visit was to foster a partnership between SIGMA Automation and Ajeenkya D Y Patil University, aiming to enhance knowledge exchange in the fields of automation and advanced manufacturing. The visit was designed to explore the latest trends and technologies in industrial automation and to understand SIGMA Automation's innovative solutions for smart manufacturing and Industry 4.0.

Agenda

Day 1(26 November 2019):

- **Introduction and Orientation:** Welcome session by SIGMA Automation's leadership team, providing an overview of the company's history, mission, and core technologies.
- **Tour of Facilities:** A comprehensive tour of SIGMA Automation's manufacturing unit and R&D lab, highlighting their automation technologies, robotics, and AI-driven solutions.



Day 2(6 December 2019):

- **Technical Workshop:** Hands-on session on SIGMA's proprietary automation software and hardware solutions. Participants from Ajeenkya D Y Patil University engaged in live demonstrations and simulations.
- **Roundtable Discussion:** Industry experts from both SIGMA Automation and the university shared insights on the future of automation, AI in manufacturing, and collaboration opportunities.

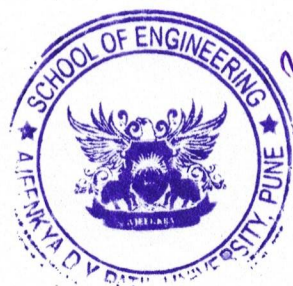
Day 3 (10 December 2019):

- **Project Presentation:** SIGMA Automation showcased their current R&D projects in the field of smart manufacturing, IoT integration, and predictive maintenance.
- **Future Collaboration Meeting:** A strategic session to discuss potential research collaborations, student internships, and joint projects in automation and smart manufacturing between the university and SIGMA Automation.

Outcomes

1. **Knowledge Exchange:** The visit provided valuable insights into the latest advancements in automation, AI integration, and Industry 4.0 practices, enhancing the university's understanding of real-world applications.
2. **Collaboration Opportunities:** Both parties agreed to explore collaborative research projects, focusing on smart manufacturing and the development of advanced automation systems. Specific project proposals will be discussed in follow-up meetings.
3. **Internship and Training Programs:** SIGMA Automation expressed interest in offering internship opportunities to students from Ajeenkya D Y Patil University. Plans to establish a structured internship and training program are underway.
4. **Memorandum of Understanding (MoU):** Both SIGMA Automation and Ajeenkya D Y Patil University initiated discussions on formalizing their collaboration through an MoU, aiming to foster long-term partnerships in research, innovation, and academic exchange.

This report summarizes the objectives, agenda, and outcomes of the 3-day visit, outlining the future steps toward a fruitful collaboration between SIGMA Automation and Ajeenkya D Y Patil University.



Glimpses of the Activity



Fig: Industrial Visit to SIGMA Automation.

