

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

Brief Report on “Industrial Visit to Santoshi Electro Engineering”

Organized by: Instrumentation & Control Department, AVPTI

Date of Visit: 05-OCTOBER-2024

SEM: 5th (33 Students)

Faculty Accompanied: 1.D.B.Dhokiya 2. P.R.Thumar 3. M.S.Khokhar 4. R.M.Pathak

The industrial visit to Santoshi Electro Engineering was organized to provide practical exposure to students regarding the operations of an electrical and electronics manufacturing unit. **Santoshi Electro Engineering**, which specializes in the production of **Control Panels** and **Welding Robots**. This visit aimed to bridge the gap between theoretical learning and real-world industrial practices.

Santoshi Electro Engineering is a leading player in the automation sector, particularly in the design and development of custom control panels and robotic systems for industries that require precision and efficiency in manufacturing.

Objectives of the Visit

- To observe the manufacturing and assembly process of industrial control panels.
- To understand the functioning and application of welding robots in automated manufacturing.
- To learn about the latest technologies used in automation and control systems.
- To gain insights into the safety protocols and quality control procedures in manufacturing.
- To relate classroom knowledge to practical applications in electrical and automation engineering.

Upon arrival, we were warmly greeted by the company representatives. An introductory session was held, providing us with a brief overview of the company’s mission, areas of expertise, and its contributions to the electrical and automation industry. The first stop of the visit was the control panel manufacturing unit. Here, we observed the step-by-step process involved in designing, assembling, and testing industrial control panels. Next, we visited the welding robot manufacturing section, where we observed advanced robotic systems used in automated welding applications. This was one of the highlights of the visit, showcasing how robotics plays a crucial role in improving manufacturing precision and speed. During the visit, we had insightful discussions with the engineers and technicians about the role of automation in modern manufacturing.

The industrial visit to Santoshi Electro Engineering was an enlightening experience, offering a first-hand look at the complexities and innovations in the fields of control panel manufacturing and robotic welding systems. The knowledge gained during this visit will undoubtedly complement our academic studies and provide a foundation for our future careers in the automation industries. We are grateful to Santoshi Electro Engineering for their hospitality and for giving us the opportunity to explore cutting-edge technology in automation.







