

# **INDUSTRIAL VISIT REPORT**

**BATCH: 2021 – 2025**

**SEMESTER & BRANCH: S6, ECE**

**INDUSTRY: MOULD PLAST COMPANY, KINFRA  
INDUSTRIAL PARK, KORATTY**

**VISIT DATE: 2<sup>ND</sup> MARCH, 2024**

# Mould Plast

Smart Home Plastics

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Address : Plot #3, Kinfra Industrial Area Phase I,  
Koratty, Kerala 680309

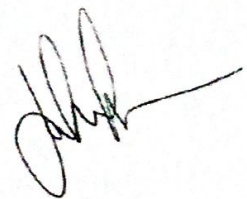
Phone No.: +91 90481 23466  
Email: mouldplastkinfra@gmail.com

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March 2 , 2024

## **CERTIFICATE**

This is to certify that **40 Students** of **Electronics and Communication** Department and **Electrical and Electronics Department** , **SCMS School of Engineering and Technology** , APJ Abdul Kalam Technical University has visited our Organisation and collected required information as a part of the curriculum



**Manager**

# Industrial Visit Report

Visit to Mould Plast Company, Kinfra Industrial Park

Date of Visit: March 2, 2024

Organized by: Department of Electronics and Communication Engineering

## Introduction

An industrial visit to Mould Plast Company, located at Kinfra Industrial Park, was organized for the students of Electronics and Communication Engineering. The primary objective of this visit was to provide the students with a practical understanding of engineering-related work in the manufacturing sector, specifically focusing on the production of rubber and plastic products.

## Objectives

- To gain insights into the manufacturing processes of rubber and plastic products.
- To understand the application of engineering principles in an industrial setting.
- To observe the practical implementation of electronics and communication engineering in the industry.
- To provide students with exposure to real-world engineering challenges and solutions.

## Company Overview

Mould Plast Company is a renowned manufacturing firm specializing in the production of rubber and plastic products. The company is known for its innovative approach to manufacturing, quality control, and efficient production processes. Located within the Kinfra Industrial Park, the company enjoys the benefits of a well-established industrial ecosystem, contributing to its operational efficiency and growth.

## Observations and Learnings

### Manufacturing Processes

During the tour, students observed the various stages of manufacturing rubber and plastic products. Key processes included:

1. Material Preparation: Raw materials such as rubber and plastic pellets are prepared and mixed according to specific formulations.

2. Moulding: The mixed materials are fed into moulding machines to form the desired shapes and sizes.
3. Cooling and Finishing: Moulded products are cooled and undergo finishing processes such as trimming and polishing to ensure quality.
4. Quality Control: Rigorous testing is conducted to ensure that the products meet the required standards and specifications.

## Engineering Applications

The visit highlighted several applications of electronics and communication engineering in the manufacturing sector:

1. Automation: The use of automated machines and robotic arms in the production line demonstrated the importance of automation in improving efficiency and precision.
2. Sensors and Monitoring: Various sensors and monitoring systems are employed to track the production process, ensuring consistent quality and timely detection of issues.
3. Communication Systems: Efficient communication systems are essential for coordinating activities within the plant and managing supply chain logistics.

## Key Takeaways

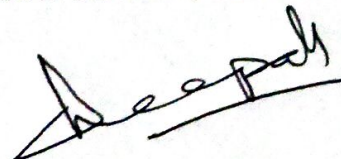
- Real-world Engineering: The visit provided valuable insights into how theoretical knowledge is applied in a practical industrial setting.
- Technological Integration: Students learned about the integration of advanced technologies such as automation, sensors, and communication systems in manufacturing.
- Quality and Safety: The emphasis on quality control and safety measures underscored the importance of these aspects in industrial operations.

## Conclusion

The industrial visit to Mould Plast Company was an enriching experience for the students of Electronics and Communication Engineering. It offered a comprehensive understanding of the manufacturing processes, the application of engineering principles, and the role of technology in the industry. Such visits are instrumental in bridging the gap between academic learning and practical application, preparing students for their future careers.

## Acknowledgments

We extend our gratitude to the management and staff of Mould Plast Company for their warm welcome and insightful guidance. Special thanks to the faculty members who organized and facilitated this visit, ensuring its success





GPS Map Camera

**Koratty, KL, India**  
Konur Road, KINFRA Industries Park, Koratty,  
680309, KL, India  
Lat 10.270416, Long 76.356268  
03/02/2024 04:50 PM GMT+05:30  
Note : Captured by GPS Map Camera



GPS Map Camera

**Koratty, KL, India**  
Konur Road, KINFRA Industries Park, Koratty,  
680309, KL, India  
Lat 10.270689, Long 76.356658  
03/02/2024 04:45 PM GMT+05:30  
Note : Captured by GPS Map Camera