



Sri SAIRAM
COLLEGE OF ENGINEERING
Anekal, Bengaluru

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Affiliated to Visvesvaraya Technological University
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Industrial Visit Report

Department of Electronics and Communication Engineering

Industry Visited: TVS Motor Company (3-Wheeler Plant), Hosur, Tamil Nadu

Date of Visit: 19th March 2025

Time: 02:00 PM – 04:15 PM

Student Participants: 62

Accompanied Faculty: Mr. G.V. Raja & Mrs. Radika

During the visit, students were given a guided tour of the **3-Wheeler manufacturing facility** at the Hosur plant. Some of the key insights gained include:

1. Manufacturing Process Overview

Students observed various stages of vehicle manufacturing, including:

- **Raw material processing and procurement.**
- **Engine assembly and integration.**
- **Chassis fabrication and welding.**
- **Painting and surface treatment technologies.**
- **Final assembly, testing, and quality inspection.**

2. Role of Electronics and Communication in Manufacturing

Since the visit was organized for **ECE students**, a special focus was given to the role of electronics in vehicle manufacturing:

- **Automation & Robotics:** Use of programmable logic controllers (PLCs), sensors, and robotic arms in assembly lines.
- **Embedded Systems:** Integration of microcontrollers and electronic components in modern vehicles.
- **Quality Control Technologies:** Application of image processing, signal processing, and AI-driven diagnostics for defect detection.
- **Electric Vehicles (EV) Technology:** A brief insight into TVS's research in electric and hybrid vehicles.

3. Industry Best Practices

- **Lean Manufacturing:** The company follows lean manufacturing techniques to reduce waste and optimize production.
- **Safety and Sustainability:** Strict adherence to worker safety protocols and eco-friendly production methods.
- **Quality Assurance:** Real-time quality testing at different production stages.

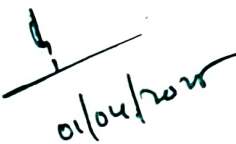


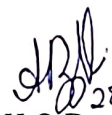
behalf of Sri Sairam College of Engineering, we extend our sincere gratitude to **TVS Motor Company** for hosting this insightful industrial visit. We appreciate the time and effort of the company's executives and engineers who guided us throughout the plant and provided valuable industry knowledge.

We also express our heartfelt thanks to our **Industrial Visit Coordinator, Head of the Department, Principal, and Management** for their support in organizing this enriching experience.

This visit has significantly contributed to the **professional growth** of students by providing practical knowledge and a **real-world perspective** on modern industrial operations.


I.V Coordinator


01/04/2025


28/3/25
H.O.D