



**CSMSS**

CHHATRAPATI SHAHU MAHARAJ SHIKSHAN SANSTHA'S  
**CHH. SHAHU COLLEGE OF ENGINEERING**

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## REPORT ON

**INDUSTRIAL VISIT** on "Dhoot Transmission Pvt. Ltd."  
Organized by- Electronics Engineering (VLSI Design & Technology)

**Date:** 01/12/2025

**Time:** 11:00 AM to 03:00 PM

**Venue:** Dhoot Transmission Pvt. Ltd., Shendra MIDC, Chhatrapati Sambhajnagar

**No. of Participant:** 72 Third Year Students of B.Tech VLSI Design & Technology with four faculties.

**Nature of Activity:** Extracurricular

**Goal:** To provide students practical exposure to industrial processes, manufacturing techniques, and real-time working environment in the field of electronics and electrical systems.

**Objective:** The main objectives of the Industrial Visit were:

1. To understand the manufacturing process of wiring harness and electrical assemblies.
2. To observe real-time industrial automation and quality control techniques.
3. To learn about safety rules, production workflow, and testing procedures.
4. To gain knowledge of various machines and tools used in wiring harness production.
5. To bridge the gap between theoretical knowledge and industrial practices.

### **About Dhoot Transmission Pvt. Ltd.:**

Dhoot Transmission is one of India's leading manufacturers of:

1. Wiring Harness
2. Control Cables
3. Power Cords
4. Automotive Components
5. Connector Assemblies

- The company supplies products to major automobile manufacturers like:

**Bajaj Auto, TVS, Hero, Mahindra, Honda, etc.**

- The company is known for high-quality manufacturing, advanced machinery, and strict quality testing procedures.

## About the Industrial Visit:

- **The Industrial Visit to Dhoot Transmission Pvt. Ltd. was organized by** Department of Electronics Engineering (VLSI Design & Technology), CSMSS Chh. Shahu College of Engineering.
- The visit started with a short introduction about the company and safety guidelines. Students were divided into small groups and guided by technical supervisors.

## **Major Sections Observed During Visit**

1. **Wiring Harness Manufacturing Unit**
  - Students saw how cables are cut, stripped, crimped, and assembled.
  - Automatic and semi-automatic crimping machines were shown.
2. **Quality Testing Department**
  - Continuity testing
  - Pull test
  - Visual inspection
  - Short-circuit testing
3. **Connector Assembly Unit**
  - Students observed how different connectors are assembled and locked.
4. **Packaging & Dispatch Section**
  - Final products were packed with labels and dispatched to OEMs.
5. **Safety and Management Instructions**
  - Importance of PPE
  - Clean and systematic workflow
  - Lean manufacturing and 5S system in the plant

## Student Learning Outcomes:

1. Understood complete wiring harness manufacturing process.
2. Gained knowledge about industrial machines and automation.
3. Learned how quality control is performed in real time.
4. Observed workflow management, teamwork, and safety rules.
5. Experienced real industrial environment helpful for future jobs and projects.

**\*GLIMPSES OF THE EVENT\***





Ladgaon, Maharashtra, India

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