



# **SINDHUDURG EDUCATIONS SOCIETY**

## **SHREE SARASWATI INSTITUTE OF TECHNOLOGY**

A/P-Tondavali, Tal-Kankavli, Dist – Sindhudurg  
Email Id – [shreesaraswatitech@gmail.com](mailto:shreesaraswatitech@gmail.com) Phone/Fax No. – (02367) 248939

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## **Industrial Visit Report**

### **1. Introduction**

An **Industrial and Construction Site Visit** was organized for the **Electrical Engineering students** on **22nd August 2025** as part of the academic curriculum aimed at practical exposure and real-world understanding. The visit provided a valuable opportunity for students to observe and understand the working of industrial fabrication tools in a real-world environment.

### **2. Objectives of the Visit**

- To familiarize students with essential fabrication tools and equipment.
- To understand the practical applications of fabrication components in electrical and civil domains.

### **3. Venue and Timing**

- **Date:** 22nd August 2025
- **Time:** 2:00 PM – 4:00 PM
- **Venues:** Aai Jijau Fabrication Works, Nandgaon Madhliwadi

### **4. Learning Outcome**

At the fabrication site, students were introduced to various essential industrial tools and equipment used in fabrication and electrical fitting work. A guide provided detailed explanations of each tool's function, operation, and safety precautions with practical.

#### **Components Observed:**

1. **Welding Transformer**
2. **Portable Drill Machine**
3. **Angle Grinder**
4. **Surface Grinder**
5. **Exaw cutter**
6. **Electrodes**
7. **Welding Shield**
8. **Safety Goggles**
9. **Hand Screen (Welding Hand Shield)**



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- 10. Electrode Holder**
- 11. Electric Cable**
- 12. Drill Machine** (Stationary)
- 13. Laser Cutting Design Sheet**

### **Key Learnings:**

- Students gained hands-on knowledge about fabrication tools.
- Importance of safety equipment like goggles, shields, and proper cable management was emphasized.
- The guide discussed differences between portable and stationary tools and their practical uses in electrical and civil work.
- The laser cutting design sheet demonstrated how precision cutting is done for customized metal works.

## **7. Conclusion**

The industrial visit served as a bridge between theory and practice, transforming classroom concepts into real-world understanding. Students not only explored the functioning of fabrication tools but also learned the importance of precision, safety, and teamwork. The experience ignited curiosity, strengthened technical confidence, and inspired a deeper appreciation for the engineering field.

### **Preparedby:**

Prajakta Jamsandekar

Lecturer

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