



CSMSS

**CHH. SHAHU COLLEGE OF ENGINEERING**

Kanchanwadi, Paithan Road, Chhatrapati Sambhajnagar(Aurangabad) 431 011 (M.S)

**Department of Electronics and Communication**

**(Advanced Communication Technology)**



**REPORT OF  
INDUSTRIAL VISIT  
At "Paithan Hydro Plant"**

**Date: 17/05/2025**

**Time: 09:50 AM to 05:10 PM**

**Goal:** An industrial visit to the Jayakwadi Hydroelectric Power Plant at Paithan was organized to provide practical exposure to power generation using hydro energy. The visit helped students understand the working principles of hydroelectric plants, dam structure, turbines, generators, and control systems, through an industrial visit.

**Objective:** To study the generation of electricity using water energy and understand the construction and operation of a hydroelectric dam. Also observe turbines, generators, and control panels in real operation.

**Benefits:**

**1. Practical Exposure:**

Students observed the real working of a hydroelectric power plant.

Helped bridge the gap between theoretical knowledge and practical application.

**2. Understanding of Power Generation**

Learned how electricity is generated using water energy.

Understood the role of turbines, generators, penstocks, and control systems.

**3. Knowledge of Renewable energy**

Gained awareness about clean and renewable energy sources.

Understood the importance of hydropower in sustainable development.

**About Event:**

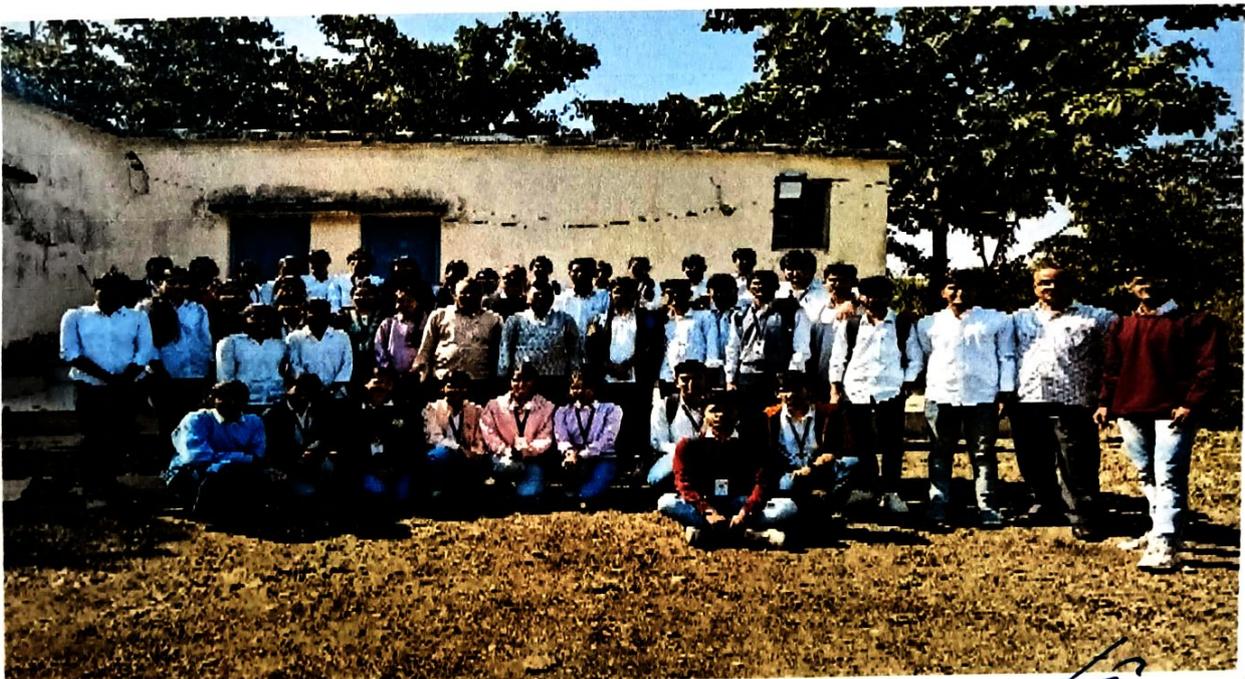
The industrial visit was conducted on 17 May 2025 for second-year students of the Electronics and Communication (Advanced Communication Technology) Department.

A total of 40 students participated, accompanied by three faculty members: V. L. Nagre, S.R.Kadam and M.S.Tathe

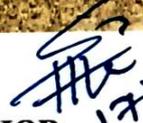
The visit was organized under the expert guidance of Principal Dr. G.B.Dongre & Dr. Syed Sumera Ali Head of Department (E & C A.C.T)

Paithan Hydro Plant is 12 MW Capacity power station Located on Godavari River near paithan in Chhatrapati District of Maharashtra, Students are able to understand Power Generation through Hydro method. Which will be beneficial for their career and Improvement in the skill.

### Glimpses of the Event



  
Visit Coordinator

  
HOD 17/15/25