

Field visit to Jain Irrigation Center

Activity Report

Academic Year	2024-25
Program Driven by	Field visit to Jain Irrigation Center
Quarter	III
Program / Activity Name	
Program Type	
Program Theme	
Start Date	
End Date	
Duration of the Activity (in Mins)	6Hr
Number of Student Participant	
Number of Faculty Participant	
Number of external Participant	--
Expenditure Amount in Rs.	
Any Remark	--
Mode of Session Delivery	Offline
Objective	
Benefit in terms of Learning / Skills / Knowledge obtained	
Feedback	
Video url (mp4)	
Photograph 1 (jpg)	Attached
Photograph 2 (jpg)	Attached
Overall report of the Activity (pdf)	As given below



Dr. P. H. Zope
Convener IIC









Report on Field Visit to Jain Irrigation Center

Organized by: Electronics & Telecommunication (E&TC) Department

Institution: [Your Institute Name, e.g., SSBT's College of Engineering & Technology, Bambhori, Jalgaon]

Date of Visit: 07th April 2025

Venue: Jain Irrigation Systems Ltd., Jalgaon

Participants: 40 Students, 3 Faculty Members

Introduction:

The E&TC Department organized a **field visit to Jain Irrigation Center, Jalgaon** on **7th April 2025** as part of the department's experiential learning and industry interaction initiative. Jain Irrigation Systems Ltd. is a globally recognized company in the fields of micro-irrigation, tissue culture, and sustainable agricultural solutions. The visit provided students with exposure to real-time applications of electronic systems in agri-tech solutions.

Objectives:

- To understand the integration of electronics and communication technologies in modern irrigation and agricultural systems.
 - To explore practical implementations of sensors, automation, and control systems.
 - To provide students with industry exposure and enhance their understanding of interdisciplinary applications.
 - To inspire innovation in agri-electronics and sustainable technology development.
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Activities and Observations:

- Visit to the **Micro-Irrigation Systems Unit**: Explanation of electronic controllers, flow meters, and automation tools used in irrigation.
 - Tour of the **Tissue Culture Laboratory**: Introduction to plant growth monitoring and environmental control systems.
 - Demonstration of **IoT-based Smart Farming Technologies**: Real-time monitoring using embedded and wireless communication systems.
 - Interaction with technical staff and engineers on the role of E&TC in agriculture and automation.
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Outcomes:

- Students gained first-hand knowledge of how electronics are applied in agricultural processes.
 - Improved understanding of sensor-based systems, wireless data transfer, and automation applications.
 - Inspired students to think about innovation in precision agriculture and environmental monitoring.
 - Strengthened industry-academia linkage for future collaborative activities.
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Conclusion:

The field visit to **Jain Irrigation Center** was highly informative and insightful for the students of the E&TC Department. It provided a valuable opportunity to bridge the gap between academic learning and industrial practices. The department looks forward to organizing more such industrial interactions to foster practical and innovative thinking among students.