



School of Technology, Pandit Deendayal Energy University, Gandhinagar
Department of Electronics and Communication Engineering

Event Report

1. **Name of Event/Activity:** Site Visit of Gandhinagar Railway Station Yard Track Laying
2. **Name of Speaker(s)/Resource Persons (with Contact Details):** Dr. Rajesh Gujar
3. **Date of the Expert Lecture:** 02/02/2024
4. **Time/Duration of the Site Visit:** 1 Day
5. **Department/Centre Hosting the Event/Activity:** Civil Engineering Department, SoT, PDEU
6. **Coordinator of the Site Visit:** Dr. Rajesh Gujar
7. **Mode of Delivery (e.g. Online/Offline):** Offline Mode
8. **Target Audience (e.g. Internal/External):** Sem VI Civil Engineering Students
9. **Number of Participants:** In Person (20)
10. **Theme of the Event:** Industrial Visit
11. **Summary of the Event:**

The Gandhinagar Railway site visit, organized on February 2nd 2024, was executed by Dr. Rajesh Gujar in collaboration with Mr. Devansh Sharma from the Railway Department of Gujarat. The primary objective of this visit was to provide practical insights into the geometric parameters of railway design, various railway track components, sleeper laying, rail fixing with various fixtures, showing details of points & crossings, yard construction, for Semester VI students of the Civil Engineering Department who opted Railway Airport & Port Engineering as Core Elective subject.

During the visit, students received comprehensive explanations about the types of rails employed in tracks, the materials and quantities involved in ballast preparation, and the significance of sleepers in railway track construction. Detailed discussions covered points and crossings, including fixtures, followed by an exploration of yard construction plans. The

planning intricacies and practical utility of the yard were elucidated, offering students a holistic understanding of railway design.

In summary, the site visit provide students a valuable hands-on experience in understanding the details of railway design and the planning involved in track construction. The event was well-received, with all students expressing their enjoyment and appreciation for the informative session

12. Photographs of the Event: Please the photographs attached below



Explaining track laying process



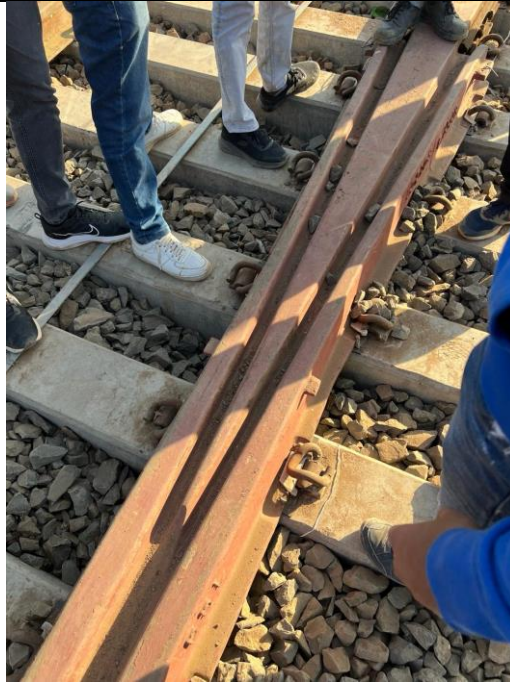
Gandhinagar Railway Station Yard track laying site visit file photo



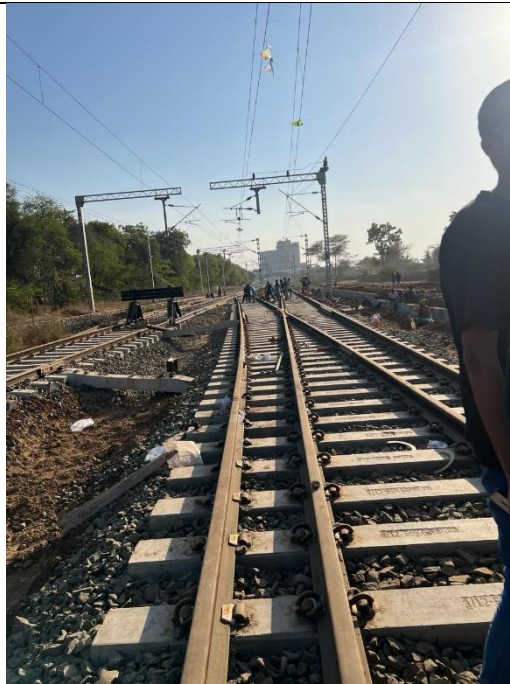
Chair Fastening



Manual Switch Demonstration



Showing Details of Crossing



Details of Rail Crossing and various track component

13. Signature of the Coordinator: