



Vishnu Waman Thakur Charitable Trust's  
**VIVA Institute of Technology**  
Approved by AICTE New Delhi, Recognized by DTE, Govt. of Maharashtra  
And Affiliated to University of Mumbai  
**NAAC "B++" Grade**

## Department of Electronic & Telecommunication Engineering

<b>Topic Name:</b>	<b>Industrial Visit to DFCCIL</b>
<b>Name of the Guest Speaker:</b>	<b>Mr. Amarjeet Sav</b>
<b>Designation:</b>	<b>Junior Manager DFCCIL , Gujarat</b>
<b>Organization/Institution:</b>	<b>Dedicated Freight Corridor Corporation of India Limited, Umargam, Gujarat</b>
<b>Date &amp; Time:</b>	<b>31<sup>st</sup> Jan 2025, 10.00 am Onwards</b>
<b>Number of Students:</b>	<b>46</b>

### Programme summary:

**Dedicated Freight Corridor Corporation of India Limited (DFCCIL), which undertakes planning & development, mobilization of financial resources, construction, operation & maintenance, and business development of the dedicated freight corridors. DFCCIL was incorporated as a Schedule A company under the Company's Act 1956 on 30th October 2006.**

During the visit, we explored the facility and gained insights into the various operations involved in maintaining and developing the dedicated freight corridors. The field has a total of four departments:

1. Civil Department - We learned about the structural integrity of railway infrastructure, track laying processes, and maintenance techniques to ensure smooth and safe railway operations.
2. Electrical Department - We gained knowledge about the electrification of railway tracks, power distribution systems, and safety measures taken to ensure uninterrupted train movement.
3. Signal and Telecommunication Department - We understood the functioning of railway signaling systems, automation in train control, and the importance of secure communication for efficient railway operations.
4. Relay Lab - We explored the testing and certification of relay systems, their role in railway safety, and how they contribute to effective train signaling and control.

We had the opportunity to tour two specialized labs within the DFCCIL facility, each focusing on different aspects of testing and certification:

1. Signal and Telecommunication Lab
2. Relay Lab

We are truly grateful for the opportunity to observe and learn from the innovative systems and best practices at your facility. This visit has reinforced our understanding of teamwork, innovation, and sustainability within the industrial sector.



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### Key Learnings:

- We witnessed the practical applications of standards and quality control measures.
- Gained insights into the importance of standardization in railway infrastructure and operations.
- Understood the significance of relay and signaling systems in ensuring the safety and efficiency of railway transportation.
- Explored how different departments collaborate for seamless railway operations.
- Acquired hands-on knowledge about the fundamental workings of civil, electrical, signaling, and relay departments.

The industrial visit to DFCCIL was a valuable experience, providing us with practical knowledge and insights into the processes involved.

**We sincerely thank Mr. Amarjeet for providing us with this valuable opportunity to grow and expand our knowledge. Your guidance has sparked new ideas and avenues that we will be sure to pursue. It was truly insightful to visit DFCCIL.**

A total of 46 students, along with 8 faculty members, participated in this visit.

Thanking you, **Student Correspondence**  
**Lavesh Mestry**

### Photos







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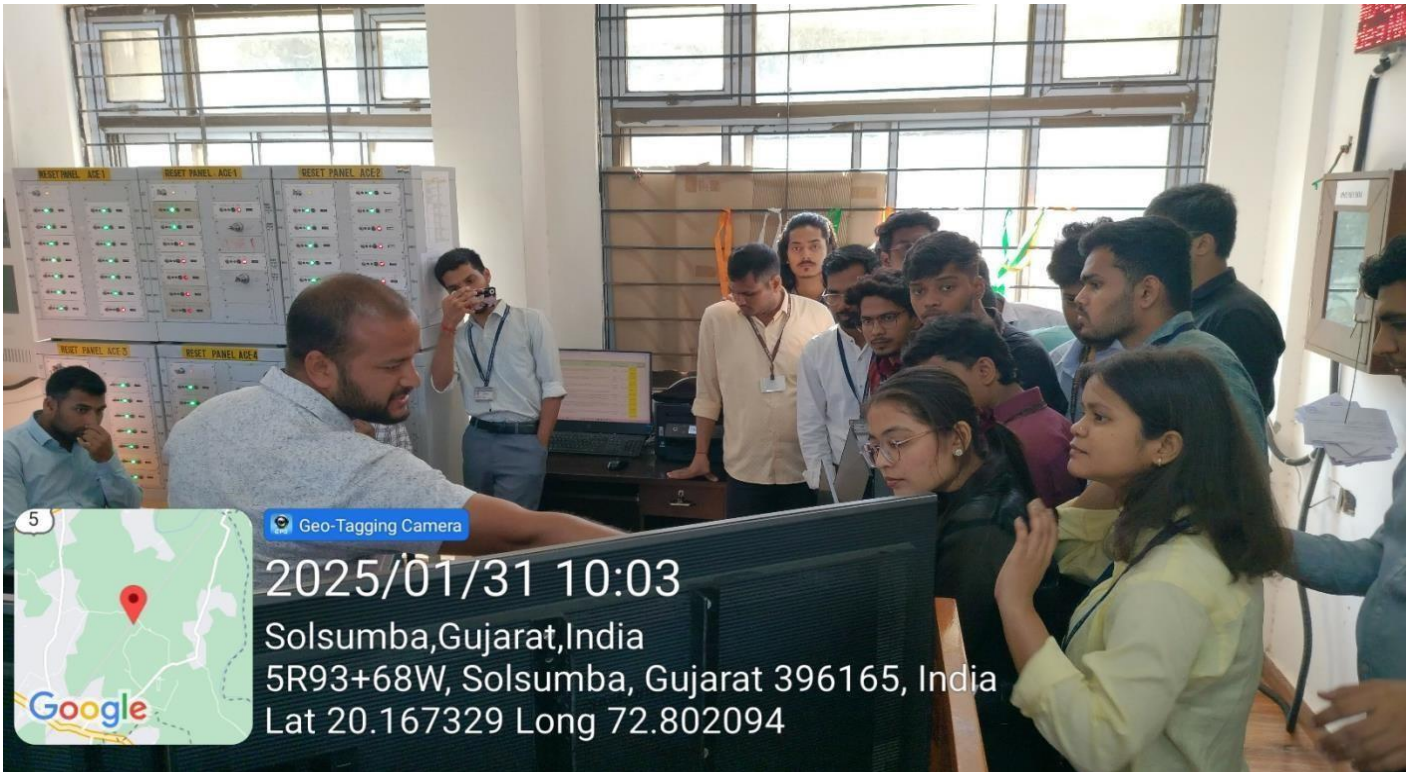
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