

**CHHOTUBHAI GOPALBHAI PATEL INSTITUTE OF TECHNOLOGY, DEPARTMENT OF CIVIL ENGINEERING
INDUSTRIAL SITE VISIT AT MODEL ROOM, NATIONAL ACADEMY OF INDIAN RAILWAYS, VADODARA**



**A Report on Industrial Visit at
Model room, NAIR, Vadodara on 12/10/2019**

For
B.Tech 5th Semester

Organized by
DEPARTMENT OF CIVIL ENGINEERING



छोटुभाई गोपालभाई पटेल प्रौद्योगिकी संस्थान, वारडोली
Chhotubhai Gopalbhai Patel Institute of Technology, Bardoli

CHHOTUBHAI GOPALBHAI PATEL INSTITUTE OF TECHNOLOGY

UKA TARSADIA UNIVERSITY

Site visit is considered as one of the tactical methods of teaching. The main reason behind this: it lets students to know things practically through interaction, working methods and employment practices. Moreover, it gives exposure from academic point of view. Main aim site visit is to provide an exposure to students about practical working environment. They also provide students a good opportunity to gain full awareness about in-situ practices. Through site visit students are acquainted about new technologies and knowledge.

Department of Civil Engineering, Chhotubhai Gopalbhai Patel Institute of Technology, Uka Tarsadia University, Bardoli organized industrial visit on Model room, National Academy of Indian Railways, Vadodara, on 12th October 2019 for B.tech Civil engineering students. This visit was planned as part of curriculum requirement of the subject, Railway, Bridge & Tunnel Engineering. It was organized with the prior permission and guidance of honorable Director, Dr. Rajkumar V. Patil. Further, it would not been possible without sincere efforts of Dr. Manoj Gundalia, Head of Civil Engineering Department.

Schedule of Visit:

DATE		12/10/2019
TIME		LOCATION
-	10:00	Reached NAIR, Vadodara
10:00	10:15	Take Attendance
10:15	12:15	Model room visit
12:15	12:30	Group Photo

Total no. of students: 86 (B.tech 5th Semester)

Faculty Organizer: Prof. Nikita Patel, Prof. Khyati Mistry

Faculty Co-ordinator: Prof. Nikita Patel, Prof. Khyati Mistry, Prof. Urvi Rathod, Prof. Dvij Vyas

About National Academy of Indian Railways:

The National Academy of Indian Railways is the alma mater for the Officers of the Indian Railways. It is situated in a sprawling campus of 55 acres of the Pratap Vilas Palace at Lalbaug, Vadodara. It provides training to all levels of Indian Railway officers, from probationers to General Managers. The academy was founded in 1930 at Dehradun and then shifted to its present regal sylvan surroundings at Vadodara, in 1952.

Model Room:

The Academy has a well-equipped model room displaying various types of train operating and signaling systems in use on Indian Railways. Model room has working models of route relay interlocking, auxiliary warning system, automatic block signaling, train activated warning at level crossings, block proving by axle counters, 4 aspects automatic signal & data Logger etc.

Summary

This visit helped students to enhance collective theory and practical knowledge about working of trains, how signals are provided during train operation, various types of fittings used in track, how train changing the track, evolution in train engine and operation, etc. This visit will also improve their fundamental concepts and practical aspects about this railway engineering subject.

Glimpse of Visit



