

CHHOTUBHAI GOPALBHAI PATEL INSTITUTE OF
TECHNOLOGY,
DEPARTMENT CIVIL ENGINEERING
SITE VISIT AT RAILWAY STATION, BARDOLI.



Chhotubhai Gopalbhai Patel Institute of Technology,
Department of Civil Engineering,
Uka Tarsadia University
One day site visit at Railway station, Bardoli on 29/8/2019
B.Tech 7th Semester (Div.-A, B and C)

Report

Site visit at Railway Station, Bardoli.

This filed visit is arranged with co-operation with Railway station, Bardoli.

The co-coordinator of Railway Station: Mr. Sudhakar Aggrawal (station Master)

Date of Visit: 29/08/2019

Total No. of Student: 101 (UG-VII Semester Div- A, B and C)

Total No. of Faculty: 07

Faculty Coordinator: Prof. Vaibhav Pawar

Other Faculty:- Prof. Mehul Patel , Prof. Maulik Kakadiya, Prof. Gunvant Solanki, and Prof. Helly Mehta

Topics Covered during visit

Site visit at railway station, Bardoli.

The department has arranged an educational site visit about steel structure and railway network for B.Tech 7th semester students as a part of curriculum of design of steel structure. The visit was organized with the prior permission and guidance of Hon. Director Dr. R.V.Patil CGPIT, Bardoli and Head of Civil Engineering Department, Prof. Manoj Gundalia.

Details of Site

Location: Railway station, Bardoli.

Indian Railways owns and manages one of the largest Railway networks of the world with over 64,000 Route Kilometers and 7,000 stations. Operations of the Indian Railways are overseen by Ministry of Railways, Government of India and 16 Zonal Railways headed by General Managers. The IR carries more than 17.5 million passengers every day and some of the major Railway stations handle 100-200 million passengers per annum.

Bardoli railway station is a railway station in Surat district of Gujarat state of India. It serves Bardoli town. It is under Mumbai WR railway division of Western Railway Zone of Indian Railways. Bardoli railway station is 31 km away from Surat railway station. It is located on Udhna – Jalgaon main line of the Indian Railways.

On the bardoli railway station most of the station structure is made up of steel. Trusses, columns, gusset plates are good examples of steel structure which were explain to students. Live example of welding, riveting and bolting also explain to students. Students also see compression member like lacing, battening, and bracing system. Students also realize how different members of steel structure work as a unit and how the load transfer safely form top of the structure to the foundation.



Cantilever roof



Steel foot over bridge



General explanation about steel structure



Roof shade and members



Group Photo