



SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY INSTITUTE'S INNOVATION COUNCIL (IIC)

REPORT

On 04/03/2024, the 3rd-semester Civil Engineering students visited the Rajanukunte Railway Station as part of their educational program to gain practical insights into transportation infrastructure and civil engineering principles.

The primary objective of the visit is to understand the datum of a railway station, one needs to grasp the reference point or elevation used as a baseline for various measurements and constructions within the station and its surroundings. In civil engineering, the datum serves as a fundamental reference for establishing vertical and horizontal control in design, construction, and surveying activities with safety measures.

Understanding the datum of a railway station involves:

Vertical Datum: This refers to the elevation or height reference point used for vertical measurements within the railway station and its infrastructure. It could be a specific point on the ground or a benchmark established based on sea level or a local datum.

Horizontal Datum: This pertains to the horizontal reference point used for location and alignment measurements within the railway station area. It provides a basis for establishing coordinates and directions for tracks, platforms, buildings, and other features. Understanding the horizontal datum facilitates precise alignment of tracks, platform edges, and signalling systems, ensuring safe and efficient train operations.

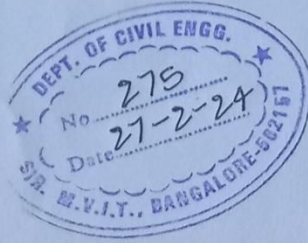
During the visit Mr. K V R Prasad provided insights into railway track accessories, focusing on points and crossings. Additionally, Station Master Mr. Sanjay demonstrated computer-based system operations, showcasing signal operations. Subsequently, Ms. Ramya elaborated on benchmarks, mean sea level, and datum line types, detailing various benchmarks and reference points.

Outcome

The project not only enhanced students' comprehension of datum reference points and railway track components but also provided valuable insights into the intricate operations of computer-based systems governing railway infrastructure. This holistic understanding equips students with a well-rounded knowledge base essential for their future endeavors in civil engineering and railway management with safety measures.

The site visit to Rajanukunte Railway Station provided valuable insights into the practical aspects of civil engineering in transportation infrastructure. Overall, the visit served as an enriching learning experience for the 3rd-semester Civil Engineering students, enabling them to connect theoretical knowledge with real-world applications.

To,
The Principal
Sir MVIT
Bengaluru



Date: 27/02/2024



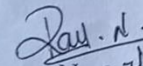
Sub: Request regarding Permission to Visit Rajanakunte Railway Station for 3rd Semester Civil Students as part of their curriculum **BCV302 Engineering Survey** on 4th March 2024.

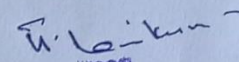
Regarding the aforementioned subject, we would like to inform you that the students of the 3rd semester need to undertake a site visit to Rajanakunte railway station as part of their curriculum. In which we will show them the working/operations at railway station Datum level, Switches track with all accessories. We kindly request permission to proceed with this excursion. Additionally, we request transport facilities to pick up and drop off the students between campus and Rajanakunte.

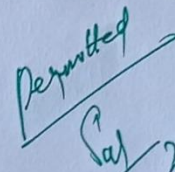
Thanking you,

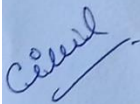
Yours sincerely


K V R Prasad


Ramya N 27/2/24


Head
Dept. of Civil Engg.
MVIT, Bangalore-562 157


PRINCIPAL
Sir M.V.I.T., Bangalore-562 157.



SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY,
BENGALURU-562 157
DEPARTMENT OF CIVIL ENGINEERING

III SEMESTER B.E CIVIL, ODD SEMESTER ACADEMIC YEAR 2023-24

Site visit to - Rajanakunte Railway Station

Attendance Sheet

DATE:04.03.2024

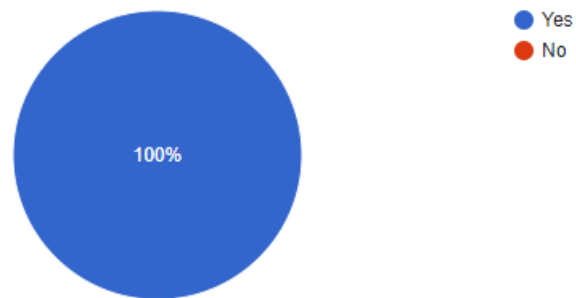
Sl. No.	USN	Name of the Student	Student Signature
1	1MV22CV001	KUMUDHA K K	Kumudha K K
2	1MV22CV002	MADHU THEJASVI H M	Madhu
3	1MV22CV003	RASTRAPAL	
4	1MV22CV004	SACHIN HADIMANI	Sachin
5	1MV22CV005	SAGARIKA S TUKKANOUR	Sagarika
6	1MV22CV006	SAURABH KUMAR JHA	Saurabh
7	1MV22CV007	SHRUTI K	Shruti
8	1MV22CV009	SUDEEP R KOTAMBARI	Sudeep
9	1MV22CV010	SUMANTH GOWDA K V	Sumanth
10	1MV22CV011	THARUN S	Tharun
11	1MV22CV012	V S SHREYAS	V S
12	1MV22CV013	V YAKSHITH	Yakshith
13	1MV22CV015	VISHWAS GOWDA L M	Vishwas
14	1MV22CV016	YASHWANTH GOWDA G	Yashwanth
15	DQ	HARSHAVARDHAN SADANAND NAIK	Harshavardhan
16	DQ	BHUMIKA NAIK	Bhumika
17	DQ	SHARATH H R	Sharath
18	DQ	THARUN A	Tharun
19	DQ	SANGAMESH	Sangamesh
20	DQ	NAZIYA T MULLA	Naziya
21	DQ	VARSHA S HAMPALI	Varsha
22	DQ	ARUN KUMAR C	Arun
23	DQ	KIRAN KUMAR C S	Kiran
24	DQ	YASHASWINI V	Yashaswini
25	DQ	PRASHANTHA P G	Prashantha
26	DQ	PRASANNA GOWDA S V	Prasanna
27	DQ	GAGAN GOWDA M P	Gagan
28	DQ	TANUSH KUMAR M B	Tanush
29	DQ	R AMBAREESH	R Ambareesh
30	DQ	DHANAUSHREE S	Dhanaushree
31	DQ	JAYASHREE S PUJARI	Jayashree
32	DQ	VINAY KUMAR M	Vinay
33	DQ	SUPREETH	Supreeth

Feedback from the students

Did the Railway station visit helped you to understand the accessories associated with railway tracks & importance of datum and benchmark?

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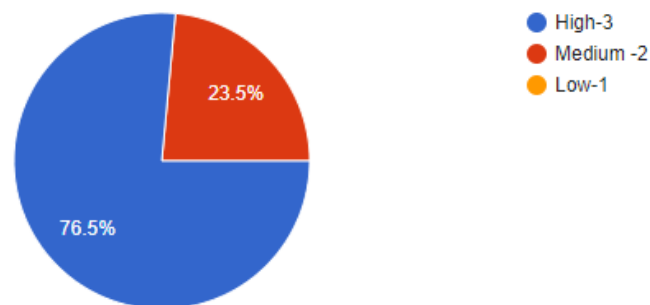
17 responses



How familiar are you with the safety measures at the railway station?

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17 responses



How did the site visit contribute to your ability to utilize suitable techniques, resources, and modern engineering and IT tools, , while acknowledging their limitations?(PO5)

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17 responses

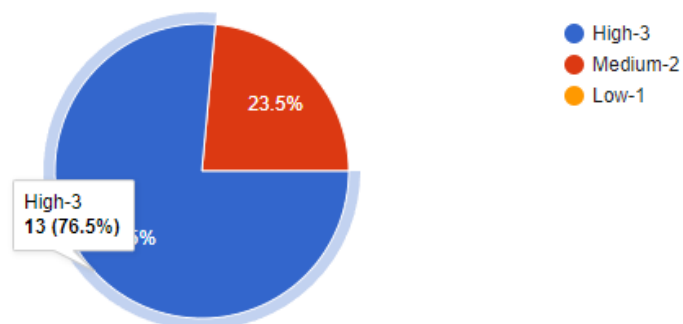


PHOTO GALLERY









CO ORDINATORS

A small, square, black and white image showing a handwritten signature, likely of Mr. K V R Prasad.

Mr. K V R Prasad

A small, square, black and white image showing a handwritten signature, likely of Ms. Ramya N.

Ms. Ramya N