IE(I) STUDENTS' CHAPTER – CIVIL
CHAPTER CODE: 388120/BVME/CV
BIRLA VISHWAKARMA MAHAVIDYALAYA
VALLABH VIDYANAGAR – 388120, GUJARAT

Chairman: **Dr. S. D. Dhiman**

Faculty guide: **Prof. A. N. Bhavsar** Faculty Advisor :**Prof. N. F. Umrigar**

Event name	**Visit to "Ten BKC Highrise Building" & "Shree Amijhara Shankheshwar Parshwabuydam Tirth Temple"**
Day & Date	**17, 18, 19 February, 2024**
Venue	**Mumbai & Nashik**
Organized by	**IE(I)-Student's Chapter Civil**
Organized for	**8th Semester Civil Engineering Students**

2. Program details:

Civil Engineering Department, BVM Engineering College aimed to familiarize their final year students with visit to such high-rise building. The final year B.Tech (Civil Engineering) students participated in the "Ten BKC High-rise Building" on 17th February, 2024. We spent a total of Two days in Mumbai, with a group of 35 individual's students and 2 faculties. The group comprised 30 male students, 5 female students, and 2 faculty members, namely Prof. Amit N. Bhavsar and Prof. Amit A. Amin who provided guidance, leadership, and support throughout the trip.

The technical-tour started on 16 February 2024, at 8:30 PM, from BVM Engineering college, Vallabh Vidyanagar. The group reached Jain temple, Mumbai by BVM-bus at 01:00 PM on 17 February,2024. The stay at Mumbai was at Jain Temple, Borivali. At the Jain Temple morning breakfast & lunch facilities are qualitative and economical. Its was arranged and sponsored by our respected alumni Mr. Jobanputra Mechanical passout.

On the inaugural day of the technical event on February 17th, 2024, we fueled up with a hearty lunch before embarking on our journey to the visit the Ten BKC Bandra East is a project by Adani Realty situated in location of Bandra at Kala nagar near MIG Cricket club offers 3,4 & 5 BHK Flats. Our esteemed alumnus, Mr. Amit Bhimani, graciously welcomed us upon arrival at the site. Subsequently, we were escorted to a well-appointed room where we had the privilege of meeting Mr. Rakesh Pandagini, the Safety Engineer, and Mr. Jitendra Varade, the Quality Manager. Mr. Rakesh Pandagini provided a comprehensive overview of the safety protocols implemented at the site, emphasizing the critical importance of adherence to safety measures and the meticulous process of obtaining work permits. Following this, Mr. Jitendra Varade elucidated on the significance of quality control, emphasizing the nexus between quality, safety, and progress. He underscored the pivotal role of adhering to relevant IS codes in ensuring quality assessment and assurance. Subsequently, we were escorted to various locations within the site where ongoing work was in progress. Professor Bhavsar, accompanied by Professor Amin and the safety engineer, provided detailed explanations regarding key aspects of the site, imparting practical insights relevant to our visit. We concluded the day with a visit to Marine Drive, where we enjoyed dinner before wrapping up our activities.

The objectives of Visit are:

1. Safety and Security Measures: To learn about the safety and security features implemented in high-rise residential buildings, such as fire protection systems, emergency evacuation procedures, and access control mechanisms.
2. Mechanical and Electrical Systems: To gain insights into the mechanical and electrical systems installed in high-rise residential buildings, including HVAC (heating, ventilation, and air conditioning), plumbing, electrical wiring, and elevator systems.
3. Practical exposure to real-world examples of high-rise residential building.
4. During the site visit, the following observations were made:

- Structural Integrity: The structural components, including columns, beams, and slabs, appear to be well-constructed and in alignment. There were no visible signs of cracks or structural deficiencies observed.
- Finishing Work: Finishing work such as plastering, painting, and tiling is in progress. The quality of workmanship seems satisfactory, with attention to detail noted in most areas.
- Electrical and Plumbing Systems: Installation of electrical wiring and plumbing systems is ongoing. Conduits and pipes are properly installed, and connections seem to be in accordance with approved plans.
- Safety Measures: Adequate safety measures, including safety barriers, signage, and personal protective equipment for workers, were observed throughout the site. However, continuous monitoring and reinforcement of safety protocols are recommended.

During the technical visit on day 2, we indulged in a full-day exploration of Mumbai, delighting in the sights and experiences it had to offer. Our day commenced with a satisfying breakfast followed by a delectable lunch at the Jain Temple.

On the morning of February 19th, we embarked on a visit to the Shree Amijhara Shankheshwar Parshwabuydam Tirth in Nasik. Upon arrival, we were greeted by Datta Wani, the site engineer overseeing the project. Mr. Datta provided us with a comprehensive overview of the derasar, detailing its architectural plans, structural intricacies, and overall design. He elucidated that the derasar had been

meticulously constructed under compression load, utilizing solely stone masonry throughout the entirety of the structure. Notably, the building's foundation, measuring 6m*6m, was crafted entirely from limestone. Our hosts elucidated the sourcing and methods employed for materials in construction, emphasizing the preservation of taadpatri adorned with handwritten notes of Jain religious literature. They underscored the derasar's projected lifespan of 500 years, achieved through rigorous quality control measures such as lime concrete testing and continual angles of slope/tilt monitoring using an inclinometer beneath the primary four pillars. Throughout our visit, it became evident that meticulous attention to detail was paramount in ensuring minimal structural damage or issues. Following lunch at the restaurant, we commenced our journey promptly at 8:30 PM.

The following morning, March 20th, saw us arriving safely at BVM College bright and early at 4:00 AM. We had safely returned to the familiar grounds of BVM Engineering College.

The completion of the trip was a resounding success, made possible through the collaborative efforts of students, faculty members, the BVM office, CVM management, and all other individuals involved in organizing this memorable experience. Spearheading the planning and arrangements were Devang Patel (Chairman), Parth Paija (Advisor), Meet Lakkad (Logistics Head), Divya Kukadiya (Tech and Tour Head), Harsh Panchal (Tech and Tour), Nirali Patel (Publicity Head) who served as group leaders with distinct roles. Their meticulous attention to detail ensured that every aspect of the trip was enjoyable, comfortable, and eternally memorable.

Throughout the journey, participants were immersed in a wealth of knowledge, excitement, and captivating experiences. The site-visits provided invaluable insights into cutting-edge innovations, emerging technologies, and civil engineering projects, as well as stimulating discussions on multi-disciplinary project ideas and start-ups. Sightseeing excursions in Mumbai and Nasik offered glimpses into the rich architectural heritage of Jain and modern designs, showcasing the principles of architectural planning and aesthetics. These experiences served as a wellspring of inspiration for all attendees.

Notably, the marvel of Ten BKC Building left an indelible impression on everyone, symbolizing the epitome of modern engineering ingenuity. The success of the trip was a testament to the dedication and hard work of the IE(I) team, led by Prof. A. N. Bhavsar and Prof. Amit Amin, along with the invaluable contributions of all participating students. Together, they orchestrated a seamless and unforgettable journey, fostering learning, camaraderie, and lasting memories for all involved.

3. OUTCOMES:

1. Enhanced Safety Protocols: Implementation of comprehensive safety protocols tailored to high-rise construction, including rigorous risk assessments and stringent safety measures.
2. Improved Quality Control: Establishment of robust quality control measures to ensure adherence to construction standards, regulatory requirements, and industry best practices.
3. Continuous Monitoring: Ongoing monitoring and communication to address safety and quality issues promptly, fostering transparency and collaboration among stakeholders.
4. Training Initiatives: Development of training programs to promote a safety-conscious culture and enhance the skills of project personnel.

5. Proactive Risk Management: Proactive identification, assessment, and mitigation of safety and quality risks to prevent incidents and delays.
6. Stakeholder Engagement: Cultivation of stakeholder engagement and accountability to maintain high standards of safety and quality throughout the project lifecycle.
7. The outcome of a masonry structure depends on various factors such as design, materials used, construction techniques, and maintenance.
8. Ideally, a well-designed and properly constructed masonry structure can provide durability, stability, and aesthetic appeal. However, poor construction practices or lack of maintenance can lead to issues such as cracking, water infiltration, or even collapse over time.
9. Regular inspection and maintenance are crucial for ensuring the longevity and safety of masonry structures.
10. Thorough attention to detail during the construction process is imperative for the successful execution of any project.

4. PHOTO GALLARY:

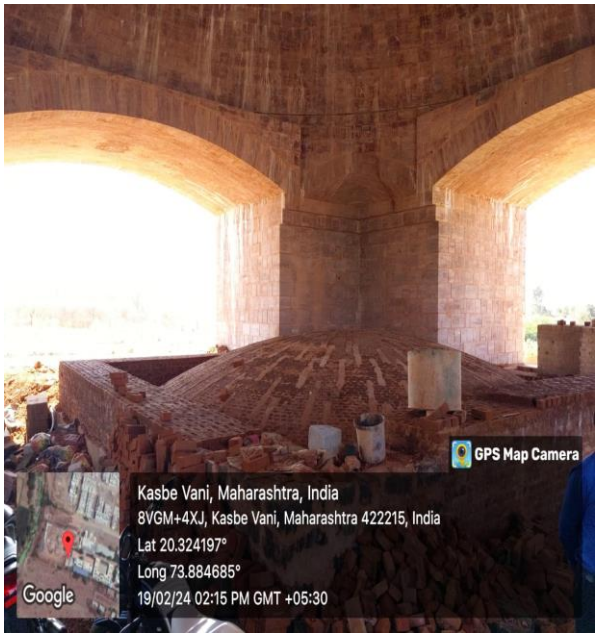
Group photo at BVM Engineering College at the start of trip

Group photo at Ten BKC Highrise building

Glimpse of the site visit at TEN BKC

Interaction of Faculties and students with Project Manager of site

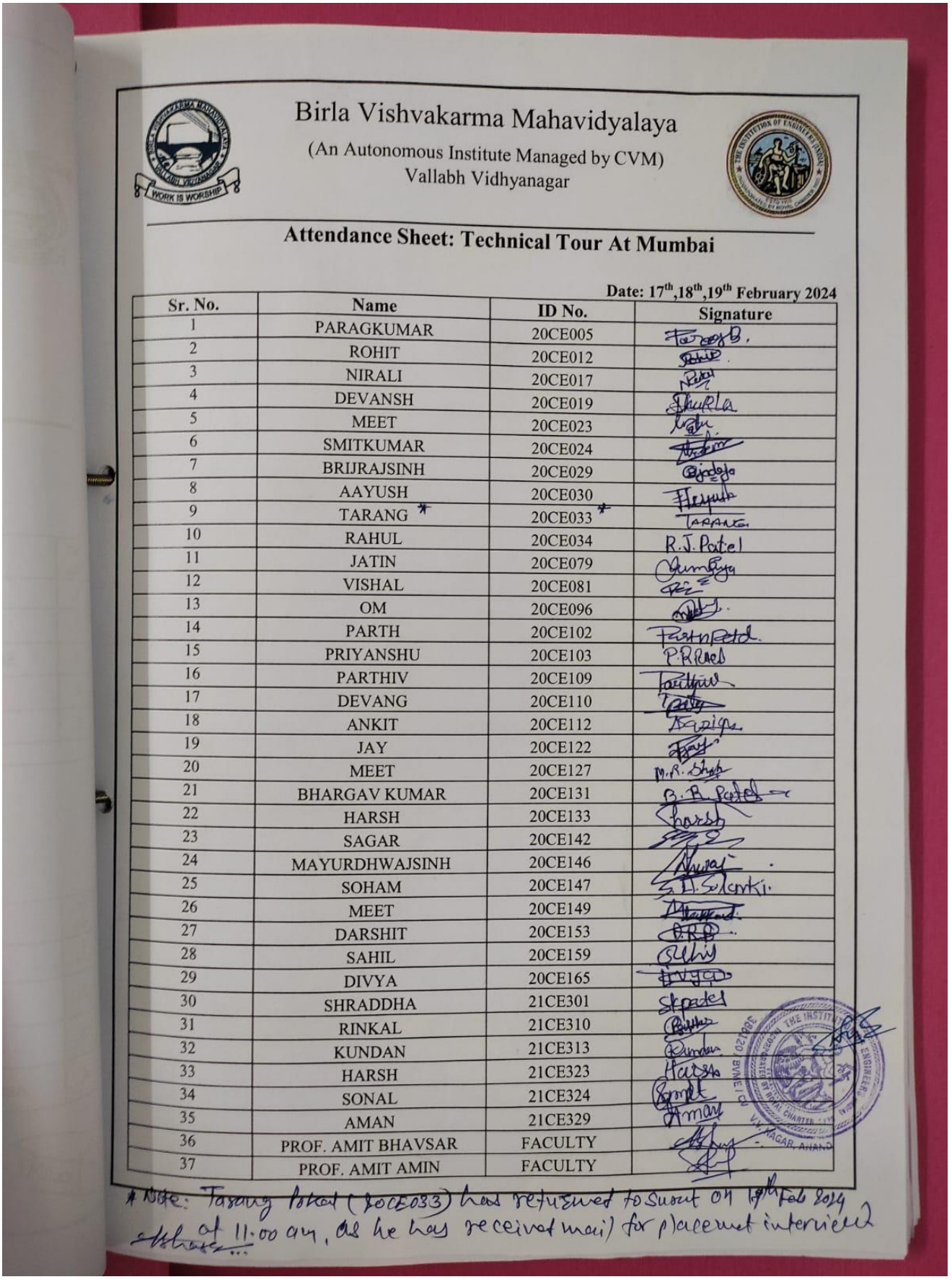
Group photo at Shree Amijhara Shankheshwar Parshwabuydam Tirth Temple



Glimpse of Site visit at Nashik

Side view of Shree Amijhara Shankheshwar Parshwabuydam Tirth Temple

5. PARTICIPANT'S:



Birla Vishvakarma Mahavidyalaya

(An Autonomous Institute Managed by CVM)
Vallabh Vidhyanagar

Attendance Sheet: Technical Tour At Mumbai

Date: 17th,18th,19th February 2024

Sr. No.	Name	ID No.	Signature
1	PARAGKUMAR	20CE005	
2	ROHIT	20CE012	
3	NIRALI	20CE017	
4	DEVANSH	20CE019	
5	MEET	20CE023	
6	SMITKUMAR	20CE024	
7	BRIJRAJSINH	20CE029	
8	AAYUSH	20CE030	
9	TARANG *	20CE033 *	
10	RAHUL	20CE034	R.J. Patel
11	JATIN	20CE079	
12	VISHAL	20CE081	
13	OM	20CE096	
14	PARTH	20CE102	
15	PRIYANSHU	20CE103	P.R.Raol
16	PARTHIV	20CE109	
17	DEVANG	20CE110	
18	ANKIT	20CE112	
19	JAY	20CE122	
20	MEET	20CE127	M.R. Shah
21	BHARGAV KUMAR	20CE131	B. B. Patel
22	HARSH	20CE133	
23	SAGAR	20CE142	
24	MAYURDHWAJSINH	20CE146	
25	SOHAM	20CE147	H. Solanki
26	MEET	20CE149	
27	DARSHIT	20CE153	
28	SAHIL	20CE159	
29	DIVYA	20CE165	
30	SHRADDHA	21CE301	
31	RINKAL	21CE310	
32	KUNDAN	21CE313	
33	HARSH	21CE323	
34	SONAL	21CE324	
35	AMAN	21CE329	
36	PROF. AMIT BHAVSAR	FACULTY	
37	PROF. AMIT AMIN	FACULTY	

* Note: Tarang Rokad (20CE033) has returned to Surat on 19th Feb 2024 at 11:00 am, as he has received mail for placement interview.