SUNIL BHOR & ASSOCIATES

ARCHITECTURAL ENGINEERING CONSULTANT & GOVT. REGD. VALUER

• CHARTERED ENGINEERS • STRUCTURAL ENGINEERS • INDUSTRIAL CONSULTANT • STRUCTURAL AUDITORS •
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Memorandum of understanding between

SANDIP FOUNDATION'S
SANDIP INSTITUTE OF ENGINEERING AND MANAGEMENT, NASHIK
&
SUNIL BHOR & ASSOCIATES, NASHIK.

1. This MOU is signed between the award to institute for enhancing the industry institute interaction under the aegis of industry institute partnership cell.

2. Sandip Institute of Engineering and Management, Nashik admit the students for various courses. This MOU is between Civil Engineering Department of Sandip Institute of Engineering and Management, Nashik and Sunil Bhor & Associates, Nashik.

3. The MOU will be under the supervision of Civil Engineering Department.

4. This MOU is for a period of five years from 22nd July 2021.

As per MOU industry will help the institute by granting the permission for

I. Industrial visit of student / staff
II. One month industrial training of student
III. Internship to students
IV. Guest lecture as per the expertise available in industry
V. Industrial project of final year student

5. Sandip Institute of Engineering and Management, Nashik will help industry by providing

1. Library facility
2. Help in arranging campus Interview
3. Information about the passed out student working looking for a change in service
4. Organizing career counselling lecture for wards of employee in your organization
5. Three day "campus awareness program " for workers in your organization
6. Soft skill training program

Sign by

Owner Sign
Sunil Bhor & Associates, Nashik

Principal
SIEM, Nashik

SUPRABHA
CONSTRUCTION
COMPANY PVT. LTD

8, Kamal Residency, Patil Lane No. 4
Opp. College Road, Nashik-422 005.
Tel : (0253) 2578073, Fax : 2578076
E-mail : suprabhaconst@yahoo.in
E-mail : suprabhaconst@gmail.com
Web : www.suprabhaconstruction.com

Ref. No

Date / /

Memorandum of understanding between

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SANDIP INSTITUTE OF ENGINEERING AND MANAGEMENT, NASHIK
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SUPRABHA CONSTRUCTION CO.PVT.LTD, NASHIK.

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Sign by

Owner Sign

Suprabha construction co. pvt. Ltd

Principal
SIEM, Nashik

Report on Industrial Visit to RMC Plant, Nashik
Department of Civil Engineering
Sandip Institute of Engineering and Management, Nashik

Date: March 23, 2022

Introduction

On March 23, 2022, students of the Department of Civil Engineering at Sandip Institute of Engineering and Management, Nashik, had the privilege of participating in an industrial visit to a Ready-Mix Concrete (RMC) plant located in Nashik. This visit was organized as part of the Memorandum of Understanding (MoU) between Sunil Bhor and Associates and Sandip Institute of Engineering and Management, aimed at providing students with practical exposure to the construction industry.

Objectives

The primary objectives of the industrial visit were as follows:

1. To acquaint students with the processes and operations of a modern RMC plant.
2. To provide insight into the production and quality control procedures of ready-mix concrete.
3. To showcase the latest technology and equipment used in the RMC industry.
4. To emphasize the importance of RMC in construction projects.
5. To foster a better understanding of the construction industry and its various aspects.
6. Plant Overview

The RMC plant, located in Nashik, covers an extensive area and is equipped with state-of-the-art machinery and technology for the production of high-quality ready-mix concrete. The facility is known for its efficiency and adherence to industry standards.

Visit Highlights

1. Production Process:

Students were given a detailed tour of the RMC plant, where they witnessed the entire production process. This included:

1. Aggregate selection and storage.
2. Cement and admixture handling.
3. Mixing procedures.
4. Transportation of the mixed concrete to construction sites.
5. Quality control measures and testing.

2. Equipment and Technology:

The visit provided students with the opportunity to observe and learn about the various equipment and technologies employed in the RMC industry, such as:

1. Batching plants.
2. Transit mixers.
3. Concrete pumps.

4. Silos for cement and admixtures.
5. Computerized control systems.

3. Quality Control:

The management of the RMC plant emphasized the importance of quality control in producing ready-mix concrete. Students had the chance to witness quality testing procedures, including slump tests and compressive strength tests, ensuring that the concrete met the required standards.

4. Sustainable Practices:

The visit highlighted the RMC plant's sustainable practices, including:

1. Recycling and conservation of water resources.
2. Energy-efficient operations.
3. Waste reduction and recycling initiatives.

5. Interaction with Industry Experts:

Students had the privilege of interacting with experienced professionals from Sunil Bhor and Associates, who shared their expertise and insights into the construction industry. The experts also answered questions and provided valuable career advice.

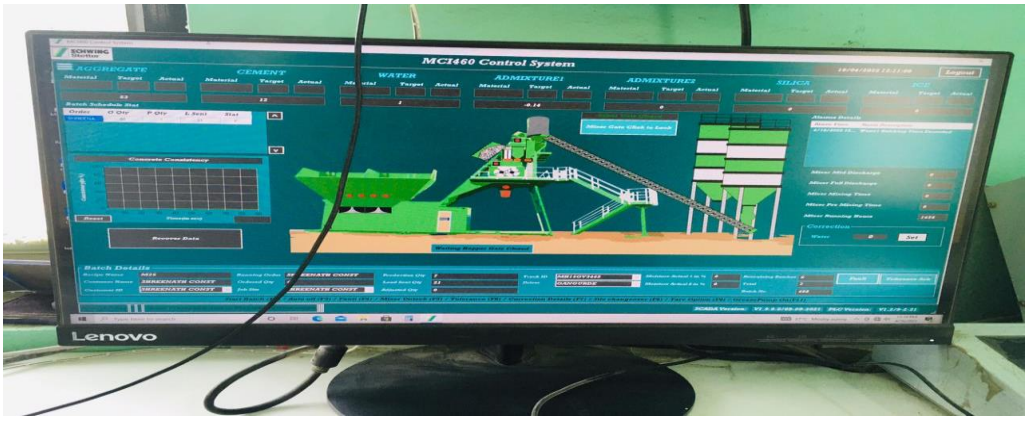
Conclusion

The industrial visit to the RMC plant in Nashik provided students with valuable practical knowledge and a deeper understanding of the construction industry. It showcased the importance of ready-mix concrete in modern construction practices and highlighted the significance of quality control and sustainability in the industry.
We extend our heartfelt thanks to Sunil Bhor and Associates for their hospitality and commitment to educating our students about the construction industry.

Acknowledgments

We would like to express our gratitude to all the staff and management at the RMC plant for their cooperation and support during the visit.

HOD, Department of Civil Engineering Sandip Institute of Engineering and Management, Nashik


MCI460 Control System
Lenovo

Report on MoU Activity: Introduction and Training on High Rise Building and Bridge Construction

Between Sunil Bhor and Associates, Nashik and Sandip Institute of Engineering and Management, Nashik Department of Civil Engineering

Abstract:

An important milestone in the collaboration between Sunil Bhor and Associates, Nashik, and Sandip Institute of Engineering and Management, Nashik, was reached with the successful execution of an activity focused on the introduction and training of civil engineering students on the topic of high-rise building construction. This report provides an overview of the activity, its objectives, execution, key takeaways, and the impact on the participating students.

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1. Introduction:

In the pursuit of academic excellence and industry collaboration, Sandip Institute of Engineering and Management, Nashik, entered into a Memorandum of Understanding (MoU) with Sunil Bhor and Associates, a renowned architectural and engineering firm in Nashik. This MoU aimed to provide students with practical exposure to real-world projects and knowledge beyond the classroom.

2. Activity Objectives:

The primary objectives of this activity were:
To introduce civil engineering students to the complexities and challenges of high-rise building and bridge construction.
To provide hands-on training and practical insights into the various phases of designing, planning, and executing high-rise projects and bridge construction.
To foster collaboration between academia and industry for the holistic development of future engineers.

3. Activity Execution:

The activity took place over a span of 2 days during which students participated in a series of sessions and practical workshops conducted by experts from Sunil Bhor and Associates. The following key components were included in the activity:

Introduction to High Rise Buildings and Bridge Construction:

Students were given an in-depth understanding of high-rise building concepts, including structural considerations, materials, and safety measures.

Site Visits:
Several site visits to ongoing high-rise projects allowed students to witness construction processes firsthand and interact with industry professionals.

Design and Planning Workshops:

Students actively participated in design and planning exercises, gaining practical knowledge of architectural and structural aspects of high-rise buildings and bridge construction.

Safety and Compliance:
An emphasis was placed on safety standards and compliance with relevant regulations in high-rise construction.

4. Key Takeaways:

The activity yielded several key takeaways for the participating students:

Practical Exposure: Students gained invaluable practical exposure to high-rise construction processes, helping them bridge the gap between theory and practice.

Real-World Insights: The insights from industry experts provided a more comprehensive understanding of the complexities involved in high-rise building projects.

Enhanced Skillset: Students developed skills related to design, planning, safety, and compliance specific to high-rise construction, making them more employable.

Networking Opportunities: Interaction with industry professionals and experts paved the way for potential internships and future collaborations.

5. Impact:

The activity conducted under the MoU between Sunil Bhor and Associates, Nashik, and Sandip Institute of Engineering and Management, Nashik, had a significant impact on the participating students. It not only enhanced their knowledge but also instilled a sense of practicality and real-world application in their learning. This activity has also strengthened the bond between academia and industry, ensuring a well-rounded education for future civil engineers.

6. Conclusion:

The activity on the introduction and training on high-rise building construction, carried out under the MoU between Sunil Bhor and Associates, Nashik, and Sandip Institute of Engineering and Management, Nashik, was a resounding success. It achieved its objectives of providing students with practical exposure, enhancing their skillset, and fostering industry-academia collaboration. This endeavor reflects the commitment of both institutions to the holistic development of civil engineering students and the promotion of real-world knowledge.

Report on Site Visit to Swaminarayan Temple, Nashik
Department of Civil Engineering
Sandip Institute of Engineering and Management, Nashik

Date: September 7, 2022

Introduction

On September 7, 2022, students from the Department of Civil Engineering at Sandip Institute of Engineering and Management, Nashik, had the privilege of participating in a site visit to the historic Swaminarayan Temple located in Nashik. This educational excursion was organized as part of the Memorandum of Understanding (MoU) between Sunil Bhor and Associates, Nashik, and Sandip Institute of Engineering and Management. The visit aimed to provide students with a deeper understanding of ancient rock temple construction techniques and the interlocking structural systems used in such heritage buildings.

Objectives

The primary objectives of the site visit were as follows:

1. To expose students to the architectural and engineering marvels of ancient rock temples.
2. To study the construction techniques and materials used in the Swaminarayan Temple.
3. To learn about the interlocking structural system employed in heritage buildings.
4. To gain insights into the preservation and restoration of historical monuments.
5. To foster an appreciation for India's rich architectural heritage.

Site Overview

The Swaminarayan Temple in Nashik is a prime example of ancient rock-cut temple architecture. It is renowned for its intricate carvings, architectural finesse, and interlocking structural design, which have stood the test of time.

Visit Highlights

1. Architectural Marvel:
Students were greeted with the awe-inspiring beauty of the Swaminarayan Temple's intricate carvings, which depicted stories from ancient scriptures. The temple's architectural grandeur left a lasting impression on all attendees.

2. Construction Techniques:
Guided by experts from Sunil Bhor and Associates, students were educated about the techniques and materials used in constructing rock-cut temples. They learned about the precision required for carving and the significance of the orientation of the temple.

3. Interlocking Structural System:
The visit focused on the temple's interlocking structural system, a fascinating aspect of ancient architecture. Students were given insights into how the temple's stones were intricately carved and stacked to create a stable and resilient structure.

4. Preservation and Restoration:
Experts also discussed the challenges and methods involved in preserving and restoring historical monuments like the Swaminarayan Temple. The importance of conservation and maintaining cultural heritage was emphasized.

5. Q&A Session:
A question and answer session allowed students to seek further clarification and engage directly with the experts, enhancing their understanding of the temple's architecture and historical significance.

Conclusion

The site visit to the Swaminarayan Temple in Nashik was a remarkable educational experience for students of the Department of Civil Engineering. It provided them with a unique opportunity to witness and appreciate the architectural brilliance of ancient rock-cut temples and the ingenious interlocking structural systems employed in their construction.
We extend our heartfelt gratitude to Sunil Bhor and Associates for their guidance and support during this enlightening visit, which deepened our students' knowledge of India's architectural heritage.

Acknowledgments

We would like to express our gratitude to the experts and guides who shared their expertise and made this educational visit a memorable one.

HOD, Department of Civil Engineering Sandip Institute of Engineering and Management, Nashik