

Report on BIM Introductory Session

Date: July 22, 2024

Time: 10:30 AM onwards

Venue: Meeting Room, Civil Engineering Department, MIT-CSN

Presenter: *Er. Rupesh Ghodke* – BIM Expert and Trainer

1. Objective of the Session:

The session was organized to provide faculty members with an introductory overview of *Building Information Modeling (BIM)*—a modern approach in the Architecture, Engineering, and Construction (AEC) industry. The objective was to raise awareness about BIM's potential, applications, and benefits in civil engineering education and practice.



2. Attendees:

The following faculty members attended the session:

1. Er. Rupesh Ghodke
2. Dr. P. R. Awsarmal (Head)
3. Dr. Rahul Agrawal
4. Ajay Ratnaparki
5. Yogesh Shermale
6. Ram Chatorikar
7. Bhupal Welke
8. Dr. Md. Ishtiyaque
9. Dr. Suhel Hashmi
10. Syed Mohsin
11. Shruti Bansode
12. Dr. M. S. Dixit
13. Dr. Trishul Kulkarni (Dean T&P)
14. Shilpa Survase
15. Dr. M. N. Mangulkar

Report on BIM Introductory Session



3. Key Highlights of the Session:

- **Introduction to BIM:**
BIM enables digital, paperless data sharing among stakeholders such as designers, engineers, architects, and project owners.
- **BIM Workflow:**
Facilitates effective communication and data access both on construction sites and in office environments.
- **Application Areas:**
BIM is universally applicable and accessible, supporting work across various project types and time zones.
- **Benefits of BIM:**
 - Crucial for managing large-scale and multidisciplinary projects.
 - Used extensively in industrial and infrastructure development.
 - Integrates tools like Tekla for advanced steel detailing.
 - Enables model-based scripting for design automation.
- **BIM Dimensions:**
 - **4D:** Scheduling and time management (e.g., Gantt charts).
 - **5D:** Cost estimation and budgeting.
 - **6D:** Sustainability—covering environmental, social, and economic factors.
 - **7D:** Facility management and life cycle analysis.
- **Career Prospects:**
BIM opens up a range of career opportunities for civil engineers in India and globally.

4. Software Training Requirements:

During the session, training duration for key BIM-related software tools was discussed:

| Software | Training Hours |
|------------------------|----------------|
| AutoCAD | 90 hours |
| Revit | 120 hours |
| Navisworks | 15 hours |
| Civil 3D | 30 hours |
| Advanced Steel (Tekla) | 25 hours |
| Twinmotion (Rendering) | 20 hours |

Report on BIM Introductory Session

5. Conclusion:

The session was highly informative and served as a valuable platform to understand the fundamentals and strategic advantages of BIM. It emphasized the growing relevance of BIM in modern civil engineering practices and project execution. The knowledge gained is expected to benefit faculty members in both academic and research endeavors.

6. Recommendations:

1. Conduct advanced workshops to explore BIM applications in greater depth.
2. Integrate BIM into the civil engineering curriculum through lab work or elective courses.
3. Organize hands-on training sessions for faculty to enhance practical software skills.
4. Collaborate with industry experts for certification-oriented programs in BIM.

Report Prepared By:

Dr. Rahul Agrawal – Coordinator

Ajay Ratnaparki – Coordinator

Dr. Prashant Awsarmal – Head, Civil Engineering Department

Report on BIM Introductory Session

MAHARASHTRA INSTITUTE OF TECHNOLOGY
Chhatrapati Sambhaji Nagar
INWARD
Date / Time : 19/7/2025, 2:10pm
Inward No. : 3565
Signature : *[Signature]*

MIT/CIVIL/2025/ 227 Date: 19-Jul-25

To,
The Director,
Maharashtra Institute of Technology,
Chhatrapati Sambhaji Nagar
(Through Head, Civil Engineering Department)

Subject: Request for Permission to Conduct the "BIM Introductory Session"

Respected Sir,

We kindly request your permission to conduct a *BIM Introductory Session*, to be delivered by **Er. Rupesh Ghodke** (BIM Expert), as per the following details:

- **Date:** July 22, 2025 (Tuesday)
- **Time:** 10:30 AM to 12:30 PM
- **Venue:** Meeting Room, Civil Engineering Department
- **Target Audience:** Faculty Members, Civil Engineering Department

The objective of this session is to enhance the awareness and technical knowledge of *Building Information Modeling (BIM)* among faculty members. The insights gained will support both academic enrichment and professional development within the department.

We assure you that all regular duties and responsibilities will be managed without any disruption.

Budget Details:

- Honorarium for Expert Speaker: ₹1,000/-
- Tea and Refreshments: ₹350/-

We kindly request your approval for the session and the proposed budget.

Thank you for your consideration.

Best regards,
@19/7/2025
Dr. Rahul Agrawal
[Signature]
Prof. Ajay Rathaparkhi

R/Sir,
Please consider,
[Signature]
(P.R. Anisamul)

Permitted
[Signature]
19/7/25

2832
[Signature]
19/07/2025

Report on BIM Introductory Session

Outlook

Invitation to Deliver BIM Introductory Session at MIT Campus

From: Ajay Ratnaparkhi <ajay.ratnaparkhi@mit.asia>
Date: Mon 7/21/2025 2:28 PM
To: Rupesh_ghodke@yahoo.com <Rupesh_ghodke@yahoo.com>
Cc: HOD (Civil Engg) Maharashtra Institute of Technology Aurangabad <hodcivil.mitt@mit.asia>; Director, Maharashtra Institute of Technology, Aurangabad <director.mitt@mit.asia>; Registrar, Maharashtra Institute of Technology, Aurangabad <registrar.mitt@mit.asia>

Dear Er. Rupesh Ghodke,

Greetings!

On behalf of the Civil Engineering Department, MIT, we are pleased to invite you to deliver an **Introductory Session on Building Information Modeling (BIM)** for our faculty members.

Session Details:

- **Date:** July 22, 2025
- **Time:** 10:30 AM to 11:30 AM
- **Venue:** Meeting Room, Civil Engineering Department, MIT West Campus, Gate No. 5

Your expertise and experience in BIM training would be highly valuable to our faculty, and we believe your session will greatly enhance their understanding of this important area.

We would be honored by your presence and look forward to a positive confirmation.

Warm regards,

Ajay Ratnaparkhi (Coordinator)
Dr. Rahul Agrawal (Coordinator)
Dr. Prashant Awsarmal (Head of Department)
Civil Engineering Department
MIT

Ajay A. Ratnaparkhi
Assistant Professor
Tel: 0240 2375130 | Mob: +91 9423686060



