

Report on the One-Day Workshop on "Opportunities in the Civil Industries"  
MIT Chhatrapati Sambhajnagar, in collaboration with the Association of Civil Engineers Practicing (ACEP) and Progressive Experts Consulting Private Limited

Workshop	One-day workshop titled "Opportunities in the Civil Industries".
Date	13 <sup>th</sup> January 2025
Speaker and Guest of Honors	Er. Parimal Marathe (Managing Director PECPL), Er. Gajanan Deshmukh (Managing Director Ideal Group) Er. Vivek Tongaonkar (Managing Director RAIC) Er. Sagar Chandre (CEO ARTECOM) (MIT Alumni) Prof. Atul Kherde (CEO AIIC) Prashant Gadgil (President ACEP) Milind Deshpande (Director, Deshpande and Associates) Aditya Deshmukh (Director Ideal Group)
Convener	Dr. Rahul Agrawal and Prof. A.P. Jaiswal
Patron	Dr. P.R.Awsarmal, Dr. Amit Rawate, Prof. Sachin Lomte and Dr. Nilesh Patil
Finance	<b>Self -Sponsored</b>
Participants (attended)	<ul style="list-style-type: none"> <li>✓ 60 Students from MIT College,</li> <li>✓ 5 faculties from MIT College,</li> <li>✓ 3 faculties from Government Polytechnic College,</li> <li>✓ 15 Students from Government College of Engineering CSN (GECA),</li> <li>✓ 15 Students from DIEMS CSN</li> </ul>



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**Introduction:**

On **13th January 2025**, MIT Chhatrapati Sambhajnagar, in collaboration with the Association of Civil Engineers Practicing (ACEP) and Progressive Experts Consulting Private Limited, hosted a one-day workshop titled "**Opportunities in the Civil Industries**". The workshop aimed to provide students and professionals with an in-depth understanding of emerging opportunities within the civil industry while strengthening the connection between academia and industry experts.

The workshop featured a series of informative sessions, panel discussions, and networking opportunities, allowing attendees to gain insight into the evolving civil engineering landscape.

G.S. Mendal's  
**Maharashtra Institute of Technology Chhatrapati Sambhajnagar**  
(An Autonomous Institute)  
**Department of Civil Engineering**  
in association with  
Progressive Expert Consulting Pvt Ltd (PECPL) and Association of  
Civil Engineers Practicing (ACEP) Chhatrapati Sambhajnagar

**One Day Workshop on**

**Opportunities in Civil Industries**

**13-Jan-2025 (Monday)**  
**Session Speaker**

 <b>Er. Pramod Khairnar</b> President CREDAI Maharashtra	 <b>Er. Vivek Tongaonkar</b> Managing Director RAIC	 <b>Ar. Swapana Khandekar</b> Tulp Designers	 <b>Er. Gajanan Deshmukh</b> Ideal Groups	 <b>Er. Sagar Chandre</b> BIM Consultant	 <b>Prof. Atul Kherde</b> CEO AIC
<b>Convener - Dr. Rahul Agrawal and Prof. A.P. Jaiswal</b>		<b>Er. Prashant Gadgil</b> (President ACEP)		<b>Er. Parimal Marathe</b> (Managing Director PECPL)	
<b>Dr. Prashant Awsarmal</b> (HCED)		<b>Dr. Amit Rawate</b> (Dean SDA)		<b>Dr. Nilesh Patil</b> (Director MIT)	

**Key Highlights of the Workshop:**

- 1. Networking Opportunities with Industry Experts:** A core component of the workshop was the opportunity for students and professionals to interact directly with leading experts from the civil engineering sector. These interactions allowed participants to better understand current trends and career prospects in civil industries.
- 2. Placement/Internship Opportunities:** As part of the workshop's goal to bridge the gap between academic learning and real-world experience, a key highlight was the emphasis on placement and internship opportunities. Several companies were present to engage with potential interns and future employees, creating direct pathways for students to enter the workforce.

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3. **Startups/Entrepreneurship Opportunities:** The workshop also catered to entrepreneurial-minded attendees. Industry experts discussed opportunities for starting businesses in the civil engineering sector, including innovations in construction technology, sustainability practices, and infrastructure development.
4. **Participation Certificates for Attendees:** All participants were awarded certificates of participation, recognizing their engagement in this professional development event. This not only added value to the attendees' resumes but also served as an incentive for those actively participating in the workshop.
5. **Complimentary Breakfast:** A complimentary breakfast was provided to all attendees, creating an informal setting for early networking and discussions before the workshop sessions began.



### **Benefits of the Workshop:**

The workshop provided several key benefits to its participants:

- **Exposure to Real-World Industry Insights:** Students gained practical insights from experienced professionals that are not often covered in classroom settings.
- **Career Development:** The presence of industry leaders and the emphasis on internships and placements offered attendees a chance to explore career opportunities and gain clarity on potential career paths in civil engineering.
- **Strengthened Industry-Academia Connections:** The event helped foster deeper connections between academia and industry, encouraging future collaborations and bridging the skills gap between educational institutions and the job market.
- **Entrepreneurial Mindset:** Aspiring entrepreneurs found valuable advice and inspiration to venture into the civil industry, equipped with knowledge on how to start their own businesses and leverage emerging opportunities in construction and infrastructure.

**Building Information Modeling (BIM)** is a digital representation of the physical and functional characteristics of a facility. It is a technology-driven process used in the architecture, engineering, and construction (AEC) industries to plan, design, construct, and manage buildings and infrastructure. BIM integrates various aspects of a construction project, from the design and



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construction phase to the operational lifecycle, providing a shared resource for information and collaboration among all project stakeholders.



### Key Aspects of BIM:

1. **3D Modeling:** BIM allows for the creation of three-dimensional models of a building or infrastructure. These models are not just visual representations but contain detailed data about the components, materials, and systems used in the project.
2. **Data-Driven:** Every element in a BIM model is linked to a database containing specifications, dimensions, quantities, and performance data. This makes it easier to analyze and manage the project throughout its lifecycle.
3. **Collaboration:** BIM fosters collaboration among architects, engineers, contractors, and other stakeholders by providing a single, integrated platform. Everyone involved in the project can access and modify the model in real-time, improving communication and reducing errors.
4. **Lifecycle Management:** BIM supports the entire lifecycle of a project, from initial concept and design to construction and operation. It allows for the simulation of building performance, energy efficiency, and other factors, helping to optimize the building for sustainability and functionality.
5. **Clash Detection:** One of the key benefits of BIM is its ability to detect clashes or conflicts between different elements in the design. For example, it can identify if pipes will interfere with structural beams or if mechanical systems will not fit within a space. This reduces costly errors during construction.
6. **Visualization and Simulation:** BIM models can be used for advanced visualization, allowing stakeholders to see what the final building will look like, often even before construction begins. Additionally, simulations of lighting, air flow, and other systems can help in assessing the building's efficiency and performance.
7. **Cost and Time Efficiency:** By allowing for more accurate planning and analysis, BIM helps reduce waste and rework, leading to cost savings. It also improves scheduling, which can shorten construction timelines by providing a more accurate view of project progress.

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8. **Sustainability:** BIM can also be used to design more sustainable buildings. By simulating various building systems and assessing environmental impacts such as energy use and material waste, BIM helps ensure that buildings are as efficient and eco-friendly as possible.

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**One Day Workshop on "Opportunities in Civil Industries"**  
13-Jan-2025 (Monday) | Venue - MIT Auditorium 202, Gate No.5, MIT Campus

8 to 8:30 am	Registration and Breakfast	<p align="center"><b>Session Speaker</b></p>  <p>Er. Pramod Khairnar President CREDAI Maharashtra</p>  <p>Er. Vivek Tongaonkar Managing Director RAIC</p>  <p>Ar. Swapana Khandekar Tulip Designers</p>  <p>Er. Gajanan Deshmukh Ideal Groups</p>  <p>Er. Sagar Chandre BIM Consultant</p>  <p>Prof. Abul Kherde CEO AIC</p>
9 to 9:15 am	Inauguration	
9:15 to 9:45 am	Expert Session -1	
9:45 to 10:15 am	Expert Session -2	
10:15 to 10:45 am	Expert Session -3	
10:45 to 11:15 am	Expert Session -4	
11:15 to 11:45 am	Expert Session -5	
11:45 to 12:15 pm	Expert Session -6	
12:15 to 12:45 pm	Panel Discussion and Valedictory	

Convener - **Dr. Rahul Agrawal** and **Prof. A.P. Jaiswal**  
**Dr. Prashant Awsarmal** (HCED)

**Er. Prashant Gadgil** (President ACEP)  
**Dr. Amit Rawate** (Dean SDA)

**Er. Parimal Marathe** (Managing Director PECPL)  
**Dr. Nilesh Patil** (Director MIT)

**Conclusion:**

The **One-Day Workshop on "Opportunities in the Civil Industries"** successfully met its objectives of providing students with valuable insights into the civil engineering sector while fostering stronger ties between academia and industry professionals. The workshop also proved beneficial in creating an environment for networking, career development, and entrepreneurship within the civil industries. As a result, this workshop served as an enriching experience for all participants, empowering them with the knowledge and tools to pursue successful careers in civil engineering and related fields.

We look forward to future initiatives that will continue to bring together students, professionals, and industry experts in meaningful discussions and collaborations.

Report prepared by – Dr. Rahul Agrawal,  
Prof. A.P. Jaiswal and Dr. P.R. Awsarmal

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Pg 1/2

MAHARASHTRA INSTITUTE OF TECHNOLOGY  
 Chhatrapati Sambhajnagar  
**INWARD**  
 Date / Time : 24/12/24; 3:45 pm Date: 24-Dec-24  
 Inward No. : 2013  
 Signature : *Rema*

MIT/CIVIL/2024/ 907  
 A.Y. 2024-25 (P-II)

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

**Subject: Permission Request for Workshop on "Opportunities in Civil Industry for Civil Engineering Students"**

Dear Sir,

We, the faculty members of the Civil Engineering Department, are writing to seek your kind permission to organize a one-day workshop for our Civil Engineering students on the topic "Opportunities in Civil Industry." The proposed date for the workshop is 13<sup>th</sup> January 2025 (Monday), from 8:00 AM to 2:00 PM.

The main objective of this workshop is to provide students with valuable insights into the diverse career opportunities, industry trends, and technological advancements within the civil sector. The event will feature presentations by industry experts, interactive discussions, and case studies, creating a platform for students to gain a deeper understanding of the skills and knowledge required to thrive in this rapidly evolving field.

We strongly believe that this workshop will significantly enhance the students' career prospects, broaden their professional outlook, and help them identify the varied roles available in the civil industry. Additionally, the event will provide an excellent networking opportunity, allowing students to connect with industry professionals and organizations.

We kindly request your approval to proceed with the necessary arrangements for this event. If you require any further details or wish to discuss the logistics and content of the workshop, we are happy to meet at your convenience.

Thank you for your time and consideration. We look forward to receiving your positive response.  
 # tentative schedule attached Backside for References  
 Warm regards,

*Rahul Agrawal*  
 Dr. Rahul Agrawal & Prof. Abhishek Jaiswal  
 MIT Faculty Coordinators  
 Civil Engineering Department

Forwarded

② . Permission can be granted provided the progressive Expert sol<sup>n</sup> is not a party & Industry Experts should be made available by the Dept and financial part should be put up in the proposal.

to (P.T.O.)  
 27-12-2024  
 Dean (Acad)

*R/S/E*  
 Please consider,  
 (P.R. Anwar)

③  
 HCEB  
 Pl. incorporate the suggestion by Acad and n.a.  
 30/12/24

④ 1854  
 Rema  
 30/12/24

① Dean (Acad)  
 24/12/24

18/12/24  
 26/12/2024

TO:  
 The Director,  
 MIT, CSN.