



Late Purushottam Hari (Ganesh) Patil Shikshan Sanstha's  
**Mauli Group of Institution's,**  
**College of Engineering & Technology, Shegaon.**  
Department of Civil Engineering



Session: 2026-2027

Faculty Chapter No: MAH-204

ISTE Membership No: IM 2194

### Activity Report on

### ISTE Approved Short Term Training Program on "Emerging Technologies for Future Ready Civil Infrastructure"

- ✦ **Title of the Program:** - ISTE Approved Short Term Training Program on Emerging Technologies for Future Ready Civil Infrastructure
- **Organized By:** - Civil Engineering Department, MGI-COET, and Shegaon
- **Venue:** - MGI-COET, Shegaon, Maharashtra
- **Duration:** - 6 Days
- **Dates :-** 17<sup>th</sup> August 2026 to 22<sup>nd</sup> August 2026
- **Mode:** - Online
- **Total Number of Participated:** - 51
- **Faculty Coordinators:** - 1) Prof. A. P. Modak  
2) Prof. S.K.Raghuwanshi



#### Indian Society for Technical Education

Shaheed Jeeb Singh Marg, Near Katwaris Sarai, New Delhi - 110016

##### Name and Address of Host Institution

Name: M. G. OF INSTITUTION'S COLLEGE OF ENGG. & TECH

Email: rahuldingole@gmail.com

Website: -

City: DIST. BULDHANA

Pincode: 444203

Phone: 9730752807

Address: KHAMGAON ROAD SHEGAON

State: MAHARASHTRA

##### Incharge Details

First Name: Dr. S. R

Email: principal@mgi-coet.org

Designation: Professor

Last Name: Paraskar

Phone: 9422920644

##### Program Details (EMERGING TECHNOLOGIES FOR FUTURE READY CIVIL INFRASTRUCTURE)

Program intended for: Teachers

Specialization Area: Civil

Course Type: Special course on Emerging areas

Proposal Category: Industry-based programmes with substantial involvement of industry and its experts

Program Duration: One week

Proposed Program Start Date: 2026-08-17

Proposed Program End Date: 2026-08-22

Having enough expertise within your institute and neighboring places: Yes



## 1. Objective of the Training Program

- To introduce participants to emerging technologies in civil engineering and infrastructure development.
- To enhance knowledge of BIM, GIS, AI, IoT, and smart construction techniques.
- To promote sustainable, innovative, and resilient infrastructure solutions.
- To bridge the gap between academic learning and industry practices.
- To develop skills for addressing future challenges in civil infrastructure

## 2. Program Details

The programme commenced with a warm welcome by the Programme Coordinators, **Prof. A. P. Modak** and **Prof. S.K.Raghuwanshi**, who welcomed the dignitaries, resource person, faculty members, and participants. They briefed the audience about the objectives, significance, and five-day schedule of the **ISTE Approved Short Term Training Program (STTP) on Emerging Technologies for Future Ready Civil Infrastructure** and encouraged all participants to actively engage in the technical sessions.

Thereafter, **Dr. M. S. Khedkar**, Head of the Department, Civil Engineering, addressed the gathering and highlighted the growing importance of emerging technologies in the field of civil engineering. He emphasized the need for adopting innovative, sustainable, and technology-driven approaches in infrastructure development. He also discussed the role of modern technologies such as BIM, GIS, artificial intelligence, IoT, automation, and advanced construction techniques in improving the efficiency, safety, quality, and sustainability of civil infrastructure. He encouraged the participants to continuously upgrade their technical knowledge and skills to meet the evolving requirements of the construction industry and contribute effectively to the development of future-ready infrastructure. After the inaugural session, the technical sessions were formally initiated.



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### 3. STTP Brochure

**ONE WEEK  
SHORT TERM TRAINING PROGRAM  
on  
"Emerging Technologies for  
Future Ready Civil  
Infrastructure"**

**17 - 22 Aug. 2026**

ISTE APPROVED ONE WEEK STTP



Organized By  
Department of Civil Engineering  
Mauli Group of Institutions, College  
of Engineering & Technology,  
Shegaon.



**CHIEF-PATRON:** Hon'ble Shri Dattatraya P. Patil  
Chairman, MGICOET, Shegaon

**PATRON:** Hon'ble Dr. S.R. Pawar  
Principal, MGICOET, Shegaon

**CHAIRPERSON:** Dr. M. S. Khedkar  
HOD, Civil Engineering

**CONVENOR:** Prof. Anuradha P. Modak  
Asst. Prof. Civil Engg. Department

**CO-CONVENOR:** Prof. Shubhang K. Raghunathi  
Asst. Prof. Civil Engg. Department

**ORGANIZING COMMITTEE:**  
 Prof. Gajanan M. Shinde  
 Prof. Anir F. Jadhav  
 Prof. Pankaj D. Kore  
 Prof. Ganesh D. Phanse  
 Prof. Prasad D. Konde  
 Prof. Sumit C. Chour  
 Prof. Vidhant D. Kulkarni

**CONTACT FOR ENQUIRY:**  
 Convenor:  
 Prof. Anuradha P. Modak  
 Email:- anuradhamodak@gmail.com  
 Mob. No- 9020743939

❖ **Who should attend:**  
 This program is open to all Faculty members of AICTE/UGC affiliated institutions/Universities, PG students, Research scholars & Industry person from the Engineering Multidisciplinary field.

❖ **Mode of STTP: ONLINE**

❖ **Registration Details:**  
 Use the following link to Register for STTP:  
<https://forms.gle/3KqHhKjImBPpQdGt>

❖ **Registration Fee:** Rs. 100/-

❖ **Additional 120rs for ISTE approved certificate (if needed)**

Scan the QR code or  
Pay at UPI ID below:

UPI  
shubhkhalek96-2@oksb



❖ **Important Dates:**  
 Last date of registration: 16<sup>th</sup> August, 2026  
 STTP dates: 17<sup>th</sup> Aug. to 22<sup>nd</sup> Aug. 2026

Visit us at: <https://mcoet.mauligroup.com/stp>

#### About Institution & Department

Since 2001, Mauli Institute has proved itself as a growing institute in the field of technical education. We offer Engineering undergraduate courses in Civil, Mechanical, Electrical, Electronics & Telecommunication, Computer Science & Engineering and Information Technology. The Institute also offers post graduate courses in Electrical Power Systems & Digital Electronics. The Department of Civil Engineering has taken a massive jump to be recognized amongst the best and major engineering departments in the region. The department is up-to-date with the high end technology in various streams of civil engineering. Facilities having B.E / B.Tech and Ph.D. qualifications faculty undergraduate students, building their civil engineering backbone with several research papers published every year. The department has a good hold on research and consultancy in all the segments of Civil Engineering.

#### Objective of STTP

The objective of this STTP is to impart greater awareness about the innovations and recent trends in Civil Engineering. It intends to provide direct & indirect appreciation of knowledge and skills for students, research scholars, faculties and scientists involved in active research of "Civil Engineering". The course will provide a national forum to exchange the ideas among the participants.

#### Scope of STTP

The field of Civil engineering is continuously evolving to address new challenges and take advantage of emerging technologies, like drone surveying, underground construction, 3D printing technology, robot in construction, process & pre-engineered buildings, virtual & augmented reality, advanced computing techniques, 3D modeling, smart mapping, green & solar technology. This one week short term course will include lectures, special case studies in the areas of Civil Engineering.

#### Instructions

- The course will be conducted online using "Zoom" platform.
- Registration fees Rs. 100/- per participant.
- The participant should register using registration link provided.
- Please mention the payment transaction ID in the registration form.
- Join the WhatsApp group using the link provided after filling the registration form. All the important announcements will be communicated on WhatsApp group and registered email.
- Attendance in all sessions is mandatory & will be monitored throughout all the sessions.
- E-certificates will be awarded.

#### Resource Person\*

- Dr. B. P. Keshari  
Former Deputy Director, IIT Delhi
- Dr. Abhishek Gupta  
Professor, Head of Civil Engineering Dept. COET, Akola
- Prof. Hrishikesh Malay  
Associate Professor, MIT, ADT University, Pune
- Prof. Pravin Khambare  
HOD & Vice Principal, PRMCEM, Badnera
- Mr. Jitendra Patil  
Sr. Project Manager, Omron Services Pvt. Ltd., Nashik
- Dr. Vijay Kondekar  
HOD, Government Polytechnic, Jalgaon
- Dr. M. A. Bag  
Add Coordinator, MGICOET Shegaon.
- Mr. Chandrabhaskar Khapare  
CEO, Wamco India Pvt. Ltd.
- Mr. Kishorji Nagambhakar  
Senior Project Manager, Gool Ganga Development
- Dr. Minu R. Kataria  
HOD, Civil Engineering Dept. PRMIT&R, Badnera
- Mr. Rajendra Mohakar  
Manager Technical Services, Adani Cement Ltd.

Subject to their Availability & Constraints.





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Department of Civil Engineering

Session: 2026-2027

ISTE Membership No: IM 2194

Faculty Chapter No: MAH-204

#### 4. Day-wise Summary of Proceedings

| Sr. No. | Day / Date          | Session Timing    | Resource Person                                    | Company Name / Institute Name                                                         | Topic Name                                                                                                                                            |
|---------|---------------------|-------------------|----------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1       | Day 1<br>17/08/2026 | 2:00 PM – 4:00 PM | Dr. D. P. Kothari<br>Mr. Rajendra Mohokar          | Former Deputy Director, IIT Delhi<br>Adani Cement Ltd. (Manager – Technical Services) | GIS & Remote Sensing for Infrastructure Planning<br>Future Trends in Concrete and Construction                                                        |
| 2       | Day 2<br>18/08/2026 | 2:00 PM – 4:00 PM | Dr. Vijay Kondekar<br>Mr. Kshiteej R. Nagamallewar | HOD, Government Polytechnic, Sakoli<br>Project Manager, Goel Ganga Developer, Pune    | Structural Health Monitoring for Smart Cities and Future-Ready Infrastructure<br>Conceptual Framework of Project Management with Strategic Management |
| 3       | Day 3<br>19/08/2026 | 2:00 PM – 4:00 PM | Prof. Hrishikesh Mulay                             | Assistant Professor, MIT ADT University, Pune                                         | Laser Scanning and Digital Twin for Civil Engineering and Architecture                                                                                |
| 4       | Day 4<br>20/08/2026 | 2:00 PM – 4:00 PM | Prof. Pravin Khandve<br>Mr. Jitendra Patil         | HOD & Vice Principal, PRMCEM, Badnera<br>Ovation Services Pvt. Ltd., Nashik           | Building Green Homes<br>Building Information Modelling (BIM): Fundamentals, Process & Impact on the AEC Industry                                      |
| 5       | Day 5<br>21/08/2026 | 2:00 PM – 4:00 PM | Dr. Abhinandan Gupta<br>Dr. Nitin P. Katariya      | COETA, Akola<br>HOD, Civil Engineering Department, PRMIT&R, Badnera                   | Application of AI in Project Development<br>Vibration Control Using Instrumentation                                                                   |
| 6       | Day 6<br>22/08/2026 | 2:00 PM – 4:00 PM | Dr. M. S. Khedkar                                  | HOD, Civil Engineering Department, MGICOET, Shegaon                                   | Valedictory Function                                                                                                                                  |



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## 5. STTP Poster & Flyer

Late Purushottam Hari (Ganesh) Patil Shikshan Sanstha's  
**MAULI GROUP OF INSTITUTIONS**  
**COLLEGE OF ENGINEERING AND TECHNOLOGY, SHEGAON**  
 AICTE Approved & Affiliated to Savitribai Phule Pune University, Pune

Indian Society for Technical Education (ISTE) Approved  
 AICTE Approved  
 Institution Innovation Council (IIC) Approved  
 Department of Civil Engineering

### ISTE APPROVED ONE-WEEK STTP

SHORT TERM TRAINING PROGRAM  
 ON  
**Emerging Technology for Future Ready Civil Infrastructure**  
**From 17 TO 22 AUGUST 2026**

**RESOURCE PERSONS**

|                                                                                 |                                                                                           |
|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| 1. Dr. D. P. Kothari<br>Former Group Director, ST Dabhi                         | 2. Prof. Hrudilash Mishra<br>Assistant Professor,<br>MIT ADT University Pune              |
| 3. Mr. Anand Patil<br>Sr. Project Manager,<br>Creative Services Pvt. Ltd. Noida | 4. Dr. Anuragendra Kumbhar<br>Professor, Head of Civil Engineering Dept.,<br>COET, Akurdi |
| 5. Mr. Rajendra Maheshwar<br>Manager Technical Services,<br>Adani Cement Ltd.   | 6. Prof. Pravin Khurade<br>Associate Professor,<br>PCCOET, Surana                         |
| 7. Mr. Rajendra Maheshwar<br>Head Planning,<br>Kamal Cement Works, Pune         | 8. Dr. Vijay Kadambar<br>MPTD, Government Polytechnic, Solapur                            |
| 9. Mr. Chandrajitulhar Kadambar<br>Civil Services Pvt. Ltd., ST. Dabhi          | 10. Dr. Nikhil P. Kulkarni<br>IITM, Civil Engineering Dept.,<br>Mumbai, India             |

**REGISTRATION DETAILS**

Registration Link: <https://maulicet.org/istesttp2026>

Dr. D. P. Kothari  
Sr. Lect. Civil

For all enquiries  
contact: [maulicet@maulicet.org](mailto:maulicet@maulicet.org)

**CONTACT FOR ENQUIRY**

CALL CENTER: 020-26666666  
 Email: [maulicet@maulicet.org](mailto:maulicet@maulicet.org)

CALL CENTER: 020-26666666  
 Email: [maulicet@maulicet.org](mailto:maulicet@maulicet.org)

**WHO CAN ATTEND?**

- Faculty Members
- PG Students
- Research Scholars
- Industry Professionals

**IMPORTANT DATES**

- 1. Last date of Registration: 14<sup>th</sup> August, 2026
- 2. STTP Start: 17<sup>th</sup> Aug. to 22<sup>nd</sup> Aug. 2026

**CHARGE**

Free

Late Purushottam Hari (Ganesh) Patil Shikshan Sanstha's  
**Mauli Group of Institution's,**  
**College of Engineering and Technology, Shegaon**  
 AICTE Approved & Affiliated to Savitribai Phule Pune University, Pune

**National Level ISTE Approved One-Week Short Term Training Program (STTP)**

**"Emerging Technologies for Future Ready Civil Infrastructure"**

**Topic: Artificial Intelligence & Machine Learning Applications in Civil Engineering**

**Dr. D. P. Kothari**  
Former, Director, ST Dabhi

**mpicet\_official** **/maulicet** **www.mauligroup.org**



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## 6. STTP Highlights



Photograph: Session Conducted by Mr.Khiteej Nagamallewar



Photograph: Session Delivered by Resource Persons



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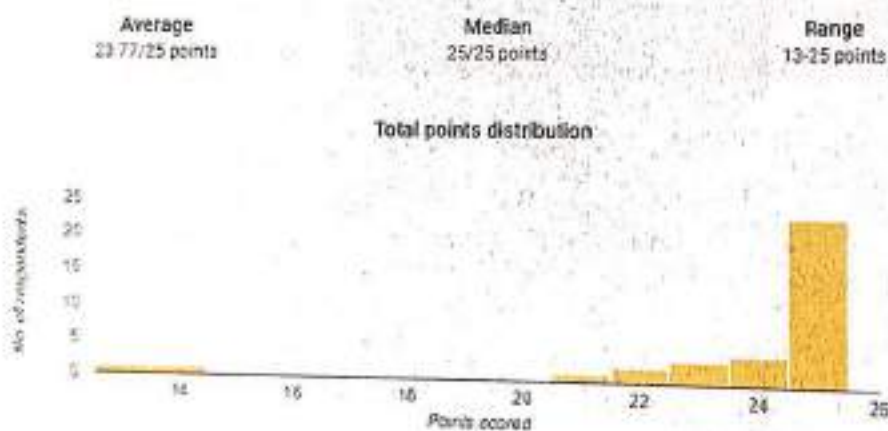
## 7. Attendance





## 8. Post-Test Analysis

A post-test was conducted at the end of the STTP on "Emerging Technologies for Future-Ready Civil Infrastructure" to assess the participants' learning outcomes and their understanding of the concepts covered during the training sessions. The post-test focused on key areas such as GIS and Remote Sensing, Structural Health Monitoring, Digital Twin Technology, Green Buildings, BIM, Artificial Intelligence in Construction, Project Management, Instrumentation, and emerging trends in concrete and construction.



### Analysis

- Participants showed substantial perfection in Civil Engineering concepts.
- Post-test results confirm achievement of learning objectives and programme outcomes.



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**9. Sample Certificate Distributed to the Participant**





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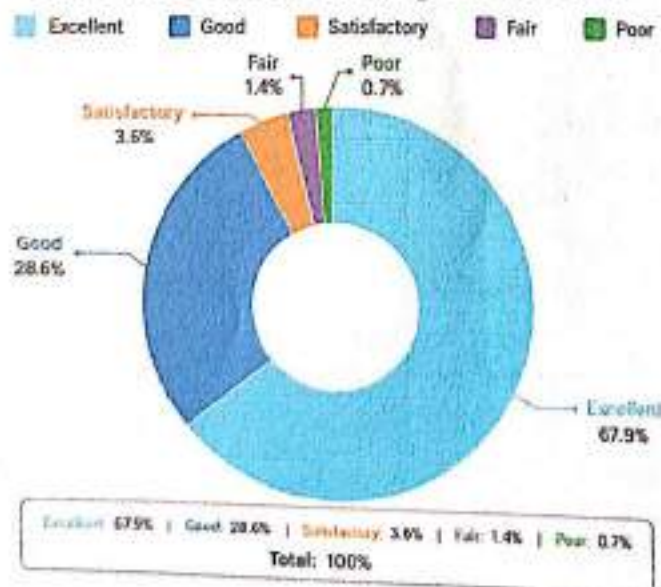
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## 10. Feedback

The participants expressed a high level of satisfaction with the overall quality and relevance of the sessions conducted during the STTP. They appreciated the informative and insightful content delivered by the resource persons, particularly the sessions focusing on emerging technologies and their applications in modern civil engineering. The practical demonstrations and application-oriented discussions helped participants connect theoretical concepts with real-world practices. Overall, the STTP was considered a valuable and enriching learning experience that enhanced participants' technical knowledge, professional skills, and awareness of recent advancements in civil engineering. The participants also expressed that the knowledge gained would be beneficial for their future academic activities, research work, and professional development.

### Overall Feedback Rating of the STTP





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**11. Program Outcomes of the STTP**

**STTP: "Emerging Technologies for Future Ready Civil Infrastructure"**

1. Enhance knowledge of emerging technologies and their applications in modern civil engineering.
2. Develop the ability to identify and solve civil engineering problems using innovative and technology-based approaches.
3. Gain practical awareness and skills in using modern engineering tools, software, GIS, remote sensing, BIM, and other digital technologies.
4. Understand the application of emerging technologies for sustainable, resilient, and environmentally responsible infrastructure development.

  
Prof. A.P. Modak

Convener

  
Prof. S.K. Raghuwanshi

Co-Convener

  
Dr. M.S. Khedkar

HOD, Civil

  
Dr. S.R. Paraskar

Principal  
PRINCIPAL

Head of Department  
Civil Engineering  
Mauli Group of Institution's  
College of Engineering & Technology,  
Shegaon Dist. Buldhana

Mauli Group of Institutions  
College of Engineering &  
Technology, Shegaon



# Indian Society for Technical Education

Shaheed Jeet Singh Marg, Near Katwaria Sarai, New Delhi – 110016

## Name and Address of Host Institution

**Name:** M. G. OF INSTITUTION'S COLLEGE OF ENGG. & TECH

**Email:** rahul4ingle@gmail.com

**Phone:** 9730752607

**Website:** -

**Address:** KHAMGAON ROADSHEGAON-

**City:** DIST. BULDHANA

**State:** MAHARASHTRA

**Pincode:** 444203

## Incharge Details

**First Name:** Dr. S. R

**Last Name:** Paraskar

**Email:** principal@maulicoet.org

**Phone:** 9422920644

**Designation:** Professor

## Program Details (EMERGING TECHNOLOGIES FOR FUTURE READY CIVIL INFRASTRUCTURE)

**Program intended for:** Teachers

**Specialization Area:** Civil

**Course Type:** Special course on Emerging areas

**Proposal Category:** Industry-based programmes with substantial involvement of industry and its experts

**Program Duration:** One week

**Proposed Program Start Date:** 2026-08-17

**Proposed Program End Date:** 2026-08-22

**Having enough expertise within your institute and neighboring places:** Yes

## Course Coordinator Details

| Field                       | Coordinator 1            | Coordinator 2                  |
|-----------------------------|--------------------------|--------------------------------|
| Name                        | Anuradha P Modak         | Shubhangi K Raghuwanshi        |
| Email                       | anuradhamodak0@gmail.com | shubhangikalokhe0424@gmail.com |
| Phone                       | 7020743939               | 7769011277                     |
| Telephone                   | 07020743939              | 07769011277                    |
| Address                     | KHAMGAON ROADSHEGAON-    | KHAMGAON ROADSHEGAON-          |
| Designation                 | Assistant Professor      | Assistant Professor            |
| Highest Qualification       | M E                      | M E                            |
| Area of Specialization      | Structural               | Construction Manegment         |
| Teaching Experience         | 12                       | 2                              |
| Industry Experience         | -                        | -                              |
| Papers Published            | 5                        | 4                              |
| Short-Term Course Attended  | 10                       | 5                              |
| Short-Term Course Conducted | 1                        | -                              |

## Course Details

Significance and Objectives: To Prepare a future ready workforce capable of addressing challenges in urbanizatio, To Encourage adoption of emerging tools such as GIS remote sensing robotics

## Course Content/Coverage

| Topic             | Duration | Subject Expert |
|-------------------|----------|----------------|
| BM                | 8        | Jitendra Patil |
| AIML              | 10       | Gopal Gawande  |
| GIS               | 10       | Dr M A Beg     |
| Green Building    | 5        | Dr A R Gupta   |
| Structural Health | 2        | Dr A R Gupta   |

## Course Schedule

| Total Days | Lectures | Practicals | Visits | Others | Total Hours |
|------------|----------|------------|--------|--------|-------------|
| 5          | 6        | 25         | 2      | 2      | 35          |

**Details of Equipment or Laboratory Facilities:** Computer

## Collaboration with Regulating Authority / Department

| Expert Name   | Organisation    | Nature of Collaboration | Area of Expertise |
|---------------|-----------------|-------------------------|-------------------|
| Dr M A Beg    | MGICOET Shegaon | Training                | GIS               |
| Gopal Gawande | MGICOET Shegaon | Training                | MIL               |

## Details of Course Faculty

| Name       | Designation | Institute       | Highest Qualification | Specialization |
|------------|-------------|-----------------|-----------------------|----------------|
| Dr M A Beg | Professor   | MGICOET Shegaon | PhD                   | GIS            |

## Audio Visuals and Mode of Course

**Audio Visuals:** LCD Projector, Smart Classroom

**Mode of Course:** Online

## Meeting Tool

**Meeting Tool:** Zoom

## Institute Membership and Chapter Details

**IM Certificate Number:** 2194

**Chapter Certificate Number:** MAH 204

**Does your institution have an ISTE Faculty Chapter:** Yes

## Certified By Coordinator

**Name:** RAHUL BHAGWAN INGLE

**Place:** SHEGAON

**Date:** 29 Jul 2026

## Certified By Principal

**Name:** Dr S R Paraskar

**Place:** SHEGAON

**Date:** 29 Jul 2026