

HORIZONS

2026

Volume 4 – Issue 4



**SCHOOL OF CIVIL AND
ENVIRONMENTAL
SCIENCES**

Message from Dean Faculty of Science and Technology



As the Dean of the Faculty of Science and Technology at JST, University of Pune, I extend my heartfelt appreciation to the School of Civil and Environmental Sciences for its unwavering commitment to excellence in education, research, and innovation.

Our school proudly offers 5 M.Tech. and 2 B.Tech. programs, equipping students with cutting-edge knowledge and practical skills to address global challenges in infrastructure, sustainability, and environmental management.

The School of Civil and Environmental Sciences stands as a pillar of our academic community, fostering a culture of collaboration, critical thinking, and societal impact. I encourage our faculty and students to continue striving for academic brilliance, pioneering research, and industry leadership. Together, let us shape the future of civil and environmental engineering and contribute to the betterment of society.

Wishing continued success and remarkable achievements to the entire department!

Prof. Dr. Rajkumar Deshpande
Dean,
Faculty of Science and Technology
JSPM University Pune



Message from the Director

It is with immense pride and enthusiasm that I address our vibrant academic community through this edition of “*Horizons*”.

The School of Civil and Environmental Sciences at JST, University of Pune, continues to thrive as a center of excellence dedicated to developing future-ready engineers and researchers.

With our comprehensive academic portfolio—including B.Tech. in Civil Engineering and five specialized M.Tech. programs in Structural Engineering, Transportation Engineering, Construction Management, Real Estate Valuation, and Environmental and Water Resources Engineering, we are committed to nurturing talent equipped to tackle complex real-world challenges.

Beyond academics, we take great pride in encouraging our students to actively participate in extracurricular and co-curricular activities, including technical festivals, sports, cultural events, and social outreach programs. These experiences foster holistic development, leadership qualities, and a strong sense of community and responsibility.

Our focus on innovation, interdisciplinary learning, and sustainable development drives our teaching, research, and community engagement. The dedication of our faculty, the curiosity of our students, and our strong ties with industry and academia reinforce our mission to lead transformative progress in civil and environmental engineering.

As we look toward the future, let us continue to explore new horizons, push boundaries, and contribute meaningfully to building a resilient and sustainable world.

Warm regards,

Dr. Aniket D. Patil
Director,
School of Civil and Environmental Sciences,
JSPM University Pune

School of Civil and Environmental Sciences

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School Profile

VISION

Fostering value- based education, research, innovation and leadership development in Civil Engineering and Environmental Sciences for industry and society.

MISSION

- ✚ To provide value-based education in Civil Engineering that equips individuals to perform morally with responsibility and integrity.
- ✚ To foster a transformative education in Civil Engineering, cultivating entrepreneurial skills and values among faculty and students, ensuring their readiness for leadership in the global workforce.
- ✚ To drive impactful research and innovation in Civil Engineering, addressing societal and industry needs.
- ✚ To nurture environmentally conscious engineers contributing to sustainable solutions.

Undergraduate Programs:

- B. Tech (Civil Engineering)
- B. Tech (Construction Management)

Postgraduate Programs:

- M. Tech in Construction Management
- M. Tech in Transportation Engineering
- M. Tech in Structural Engineering
- M. Tech in Real Estate Valuation
- M. Tech in Environment and Water Resources Engineering

Honors / Minors

- Environment and Sustainability
- 3D Printing of Concrete
- Climate Change and Sustainability
- GIS and Remote Sensing
- Structural Health Monitoring
- Real Estate and Valuation
- Environment Microbiology

Program Outcomes (POs)

- PO-1** An ability to apply knowledge of mathematics, science, and engineering
- PO-2** An ability to design, implement, evaluate a system and conduct experiments, as well as to analyze and interpret data
- PO-3** An ability to design, implement and evaluate a system, or process to meet desired needs
- PO-4** An ability to function effectively on multi-disciplinary teams
- PO-5** An ability to identify, formulate, analyze and solve engineering problems
- PO-6** An understanding of professional, ethical, legal, security and social responsibilities
- PO-7** An ability to communicate effectively both in writing and orally
- PO-8** The broad education necessary to analyze the impact of engineering solutions on a global and societal context
- PO-9** Recognition of the need for and an ability to engage in continuing professional development and life-long learning
- PO-10** Knowledge of contemporary issues
- PO-11** An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice
- PO-12** An ability to apply design and development principles in the construction of software and hardware systems of varying complexity



Events

Organized

*School of Civil and
Environmental Sciences*

INDEX

Sr. No.	Name of the Programme/Event	Organized on	Venue/Mode
1	Sustainable Urban and Environmental Planning using Geospatial Tools"- GIS day celebration	19.11.2025	Online (Google meet)
2	Poster Presentation on “Environmental Sustainability” in association of ECO Brigade (Student Led Club)	28.11.2025	Godavari Building, JSPM University Pune
3	Visit to CONSTRO exhibition 2026	8.01.2026-11.01.2026	Pune, Maharashtra
4	1 st International Conference on Civil Engineering Materials and Emerging Next Technologies – CEMENT ‘26	14.02.2026 to 15.02.2026	Online
5	Happy Study Spaces: A Workshop on Mental Health Awareness	10.02.2026–16.02.2026	A-016, JSPM University Pune
6	Webinar on Professional Practice and Opportunities in Real Estate Valuation for Civil Engineers	03.03.2026	Online (Google Meet)
7	Inauguration of IGBC Students Chapter	23.03.2026	Seminar Hall, University Building, JSPM University Pune
8	Inauguration of Civil Engineering Student Association (CASTLE)	23.03.2026	Seminar Hall, University Building, JSPM University Pune
9	One-week Online FDP on Green Building Technologies and Sustainability (IGBC Students Chapter Initiative)	23.03.2026-28.03.2026	Online (Google Meet)

1. Seminar on "Sustainable Urban and Environmental Planning using Geospatial Tools"- GIS day celebration

Overview of the Event

Topic: Celebration of GIS day

Speaker: Mr. Ishwar Nalawade, Geospatial Engineer and Remote Sensing Specialist

Date/Time: 19th November, 2025 8.30pm – 10.30 pm

Venue: Online, Google meet (<https://meet.google.com/tpu-wwhs-jge>)

Participants: Students of B. Tech and M. Tech in Civil Engineering

Introduction

The School of Civil and Environmental Sciences at JSPM University Pune organized an expert session on “Sustainable Urban and Environmental Planning using Geospatial Tools” as part of the **GIS Day celebration**. The lecture was delivered by Mr. Ishwar Nalawade, an accomplished Geospatial Engineer and Remote Sensing Specialist, through online mode.

Theme

The session covered a wide range of contemporary themes, including:

- Applications of satellite imagery in urban and environmental planning
- Machine Learning and AI in geospatial modelling
- WebGIS dashboards for decision-support systems
- Use of GEE for large-scale environmental and agricultural analytics
- Watershed management and climate-resilient planning
- Importance of geospatial data in governmental and industrial sectors

Event Outcomes:

- ✚ **Enhanced Understanding of Geospatial Tools:** Students gained practical knowledge of GIS applications in sustainable urban and environmental planning.
- ✚ **Improved Technical Skills:** Participants developed the ability to interpret spatial data and understand its role in decision-making for infrastructure and environmental management.
- ✚ **Exposure to Industry Practices:** Students learned about real-world applications of geospatial technologies used in urban development, environmental assessment, and regulatory processes.
- ✚ **Increased Awareness of Career Opportunities:** Students became familiar with career domains in geospatial technologies within civil engineering, environmental planning, and smart city development.

Conclusion

The expert session by Mr. Ishwar Nalawade proved to be highly insightful and impactful, offering students a comprehensive understanding of the role of Remote Sensing and GIS in sustainable development and environmental management. His practical experiences and industry-focused examples helped bridge the

gap between academic concepts and professional applications. The interactive discussions and guidance on career pathways further enriched the learning experience. The event successfully met its objectives and inspired students to pursue specialized domains within geospatial technologies and environmental planning.

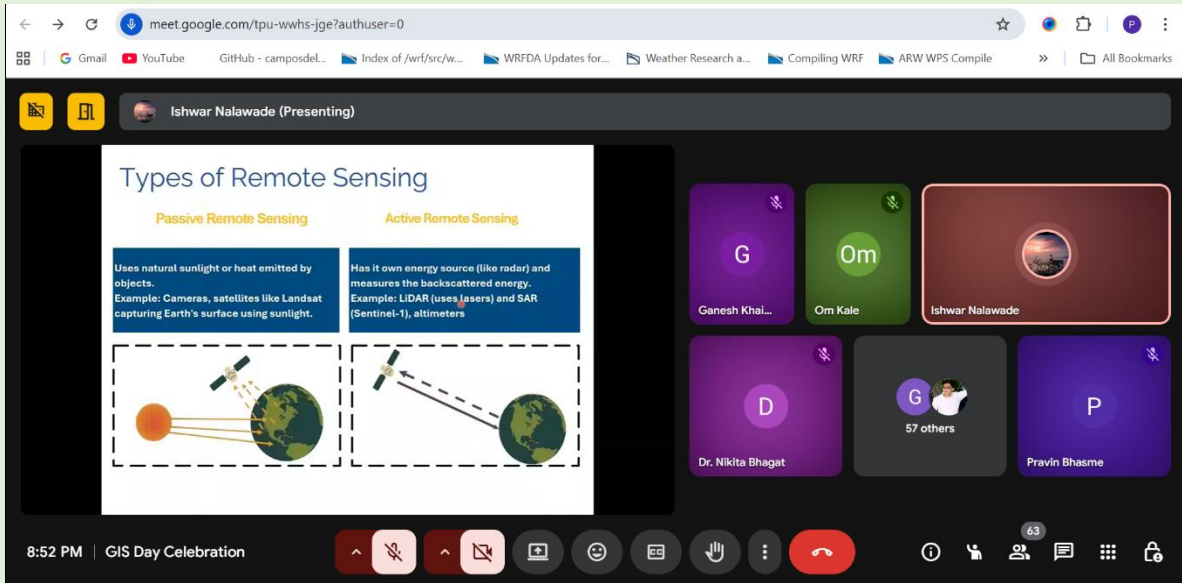


Photo 1: Speaker explaining the types of remote sensing

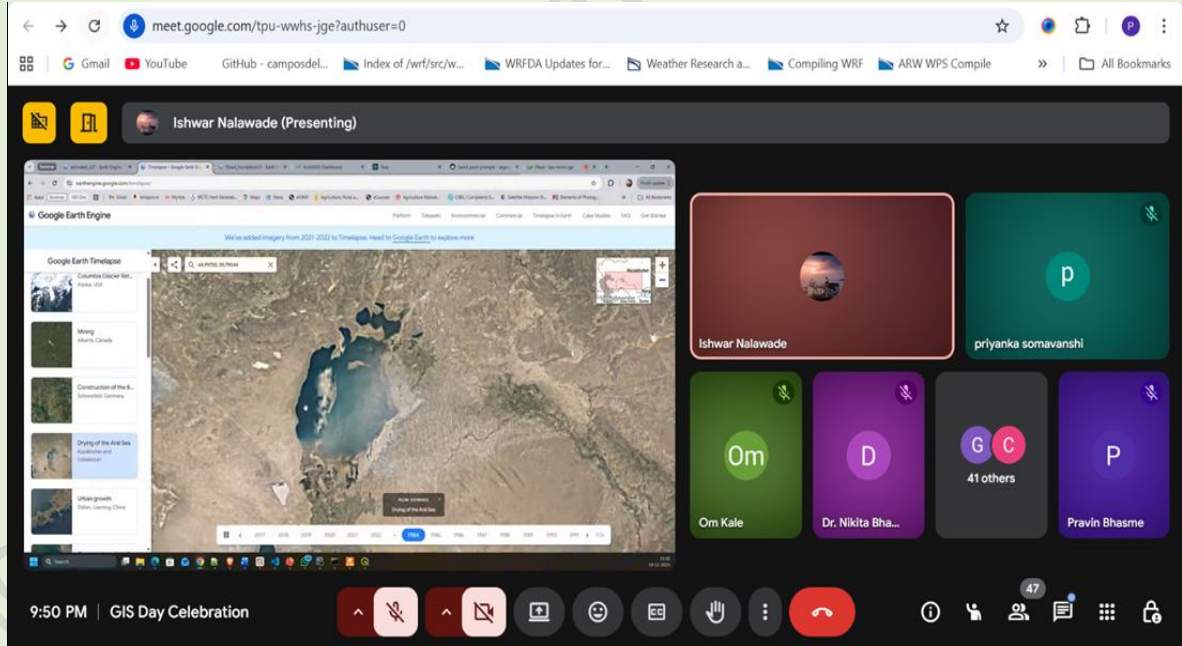


Photo 2: Speaker explaining the application of Google Earth Engine in monitoring the change in the water body extent

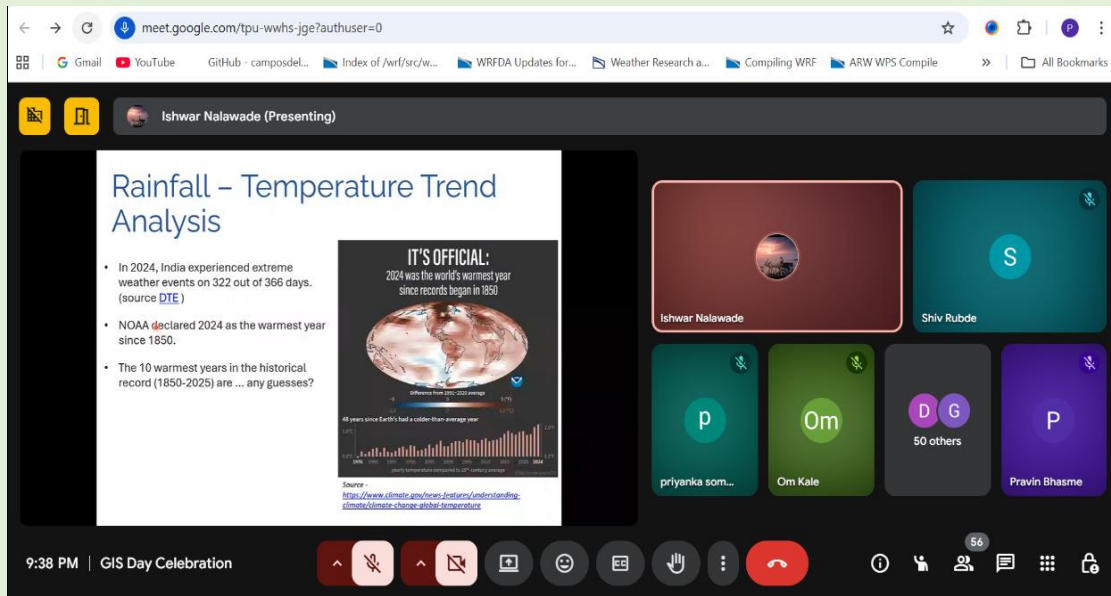


Photo 3: Speaker explaining global trends in the rainfall and temperature

2. Poster Presentation on “Environmental Sustainability” in association of ECO Brigade (Student Led Club)

Overview of the Event

Topic: Poster Presentation on “Environmental Sustainability”

Date/Time: 28th November 2025, 01.30 pm – 3.00 pm

Venue: A-012, Aryabhata Hall, Godavari building, JSPM University, Pune

Participants: UG Students of First Year- B.Sc. (CS/DSAI/Forensic Sciences), BCA, BBA and B. Com

The Poster Presentation was successfully conducted by the **ECO Brigade (Students Led Club)**, School of Civil and Environmental Sciences, Faculty of Science and Technology, JSPM University, Pune. The event witnessed enthusiastic participation, with 348 students from undergraduate programs, along with the encouragement and guidance of 21 faculty members. The posters demonstrated students’ understanding and creativity across the following **themes**:

- Renewable Energy: Solar power, wind energy, hydropower innovations
- Water and Wastewater Management
- Waste Management: E-waste recycling, AI-driven robots for automated waste segregation (plastics, metals, organics), Lean management to reduce material waste in industries
- Biodiversity Conservation: AI-enabled drones and camera systems to track wildlife and prevent poaching
- Climate Modelling: Big Data and AI to predict floods, droughts, and emissions

- Earth Systems Modelling: AI approaches to study oceans, forests, and CO₂ cycles
- Green Buildings & Sustainable Construction
- Corporate Social Responsibility (CSR) for Sustainability
- Circular Economy & Life Cycle Assessment (LCA)
- Any other emerging concept in environmental sustainability

The **evaluation criteria** included relevance of content, accuracy of information, visual appeal and creativity, clarity of message and Impact & Awareness Creation.

The prize-winning teams were as follows:

First Prize:

1. **Hivrale Vaibhav and Team** (F.Y. B.Sc Forensic Science): Indian Environmental Laws
2. **Sarthak Bhandare and Team** (F.Y. B.Sc CS): Waste Management

Second Prize:

Sayai Umesh Bhandare and Team (F.Y. BBA): Renewable Energy

Third Prize:

1. **Nikita Chavan and Team** (F.Y. B.Sc DSAI): Water and Waste Management
2. **Pooja Kr. Thakur** (F.Y. B. Com): Renewable Energy- Power for a sustainable future.

Event Outcomes:

- ✚ Enhanced student awareness and understanding of environmental sustainability.
- ✚ Improved communication, teamwork, research, and presentation skills.
- ✚ Generation of innovative ideas that can be developed into future research and project work.
- ✚ Increased interest among students to pursue eco-friendly practices and sustainable lifestyles.
- ✚ Strengthened interdisciplinary interaction across various academic programs.

Conclusion:

The Poster Presentation on “**Environmental Sustainability**” organized by ECO Brigade (Students Led Club), was a meaningful and impactful event that successfully achieved its objectives. It provided a platform for young minds to showcase innovative solutions while fostering awareness and responsibility toward the environment. The initiative contributed significantly to inculcating sustainable values among students and highlighted the University’s commitment to environmental stewardship.



Photo 1: Display of Poster by students in front of Dean, FST



Photo 2: Poster Presentation evaluated by experts



Photo 3: Poster Presentation by Teams



Photo 4: Prize and Certificate distribution

3. Visit to CONSTRO exhibition 2026

Overview of the Event

Date: 8th January,2026-11th January.2026

Venue: Pune, Maharashtra

Organized by: Pune Construction Engineering Research Foundation (PCERF).

Accompanying Faculty: SCES Faculty

Introduction

Students of Second- and Third-Year B.Tech Civil Engineering visited the CONSTRO Exhibition 2026 at PIECC, Pune, under the guidance of Dr. Sagar Turkane and Mr. Manjunath Changle. CONSTRO is one of India's largest exhibitions for construction technology, building materials, and infrastructure development. The visit aimed at exposing students to emerging trends, innovative construction techniques, and advanced materials in the field of civil engineering.

Learning Outcomes

Students explored a variety of modern construction materials, sustainable technologies, and automation tools used in industry. The exhibition featured live demonstrations of advanced construction equipment, precast structures, and smart building solutions. Interacting with industry experts, students gained insights into eco-friendly construction methods, high-performance concrete, and digital transformation in civil engineering. Additionally, they learned about career opportunities, new research areas, and the role of technology in enhancing construction efficiency. The visit helped them connect theoretical knowledge with practical applications, improving their understanding of real-world construction challenges.

Conclusion

The visit to CONSTRO Exhibition 2026 was a valuable learning experience for students, providing exposure to cutting-edge construction innovations. It broadened their perspective on modern construction practices, material advancements, and industry expectations. The interactive sessions and hands-on demonstrations enhanced their knowledge and encouraged them to explore new possibilities in civil engineering. Such industry visits play a crucial role in bridging the gap between academic learning and professional expertise.



Photo 1: Second Year and Third Year B.Tech Civil Engineering Students visited CONSTRO 2026



Photo 2: Students and Faculty Visiting stalls



Photo 3: Live demo of 3D printing at CONSTRO 2026



Photo 4: Group photograph at JSPM University Stall

4. 1st International Conference on Civil Engineering Materials and Emerging Next Technologies – CEMENT '26

Overview of the Event

Title: CEMENT '26

Date: 14th February to 15th February 2026

Venue: Online

Introduction

School of Civil and Environmental Sciences, Faculty of Science & Technology, JSPM University, Pune organized the **1st International Conference on Civil Engineering Materials and Emerging Next Technologies (CEMENT'26)** on **14th–15th February 2026** in online mode.

The conference aimed to provide a global forum for academicians, researchers, industry experts, and students to deliberate on advancements in civil engineering materials and emerging technologies. The event witnessed enthusiastic participation from across India and international contributors.

A total of **68 technical papers** were presented across eight parallel technical sessions over two days. Additionally, **five keynote addresses** were delivered by eminent experts from reputed institutions and industry, listed as below.

1. Prof. Praveen Kumar, IIT Roorkee
2. Dr. Chandrashekhar Chincholkar, CMK Advisory LLP, Pune
3. Prof. Rahul Ralegaonkar, VNIT Nagpur
4. Dr. Ishfaq Rashid Sheikh, Shenzhen University, Guangdong China
5. Dr. R. S. Deshpande, JSPM University Pune

Topics covered:

- Wet Method for Use of Plastic Waste in Bituminous Layer of Pavement
- Powering Infrastructure with Green Energy – India's Energy Transition
- Construction Materials, the Performance Prediction and Machine Learning
- Interpretable Artificial Intelligence Framework for Data-Driven Pavement Material Characterization and Performance Prediction
- Artificial Intelligence in Civil Engineering

Themes:

- Transportation Infrastructure & Mobility Solutions
- Advanced Structural Engineering & Materials
- Modern Construction & Project Management
- Geotechnical Engineering & Ground Improvement
- Environmental Engineering & Sustainable Materials
- Urban Planning, Real Estate & Smart Infrastructure
- Sustainable & Novel Material Characterization

The sessions were chaired by distinguished academicians and experts who facilitated technical discussions and interactive Q&A sessions, listed as follows;

1. Dr. Priyam Nath Bhowmik, MITS, Andhra Pradesh
2. Dr. Vishrut Landge, VNIT Nagpur
3. Dr. Vasudha Katate, NIT Warangal
4. Dr. Shivakumar Khaple, JSPM Narhe Technical Campus, Narhe
5. Dr. Y. M. Patil, RIT Islampur
6. Dr. Chintaman Bari, CSIR-CRRI
7. Dr. Saurabh Kulkarni, NICMAR University Pune
8. Mr. Vasudev Upadhye, MIT Sambhajinagar

The conference successfully brought together **Undergraduate, Postgraduate students, Research Scholars, Faculty Members, Industry Professionals, and Practicing Engineers**, ensuring a rich academic and professional exchange.

Event Outcomes:

- ✚ Strengthened research culture and publication exposure among students and faculty.
- ✚ Encouraged interdisciplinary research in sustainable and smart civil engineering technologies.
- ✚ Facilitated academia–industry interaction and knowledge exchange.
- ✚ Enhanced awareness of emerging technologies such as AI and smart materials in construction.
- ✚ Promoted global academic collaboration and networking.
- ✚ Contributed to outcome-based education and research excellence aligned with NAAC and IQAC objectives.

Conclusion:

CEMENT'26 successfully achieved its objectives by providing a comprehensive platform for scholarly exchange and innovation in Civil Engineering Materials and Emerging Technologies. The conference enhanced academic visibility, encouraged research-driven learning, and strengthened industry-academia collaboration.

Such international academic initiatives significantly contribute toward holistic student development, institutional research growth, and alignment with NAAC, IQAC, and National Education Policy objectives. Continued efforts in organizing conferences of this scale will further position JSPM University as a center of excellence in research and innovation.



Photo1: Welcome Address by Honorable Vice Chancellor, Prof. B. B. Ahuja

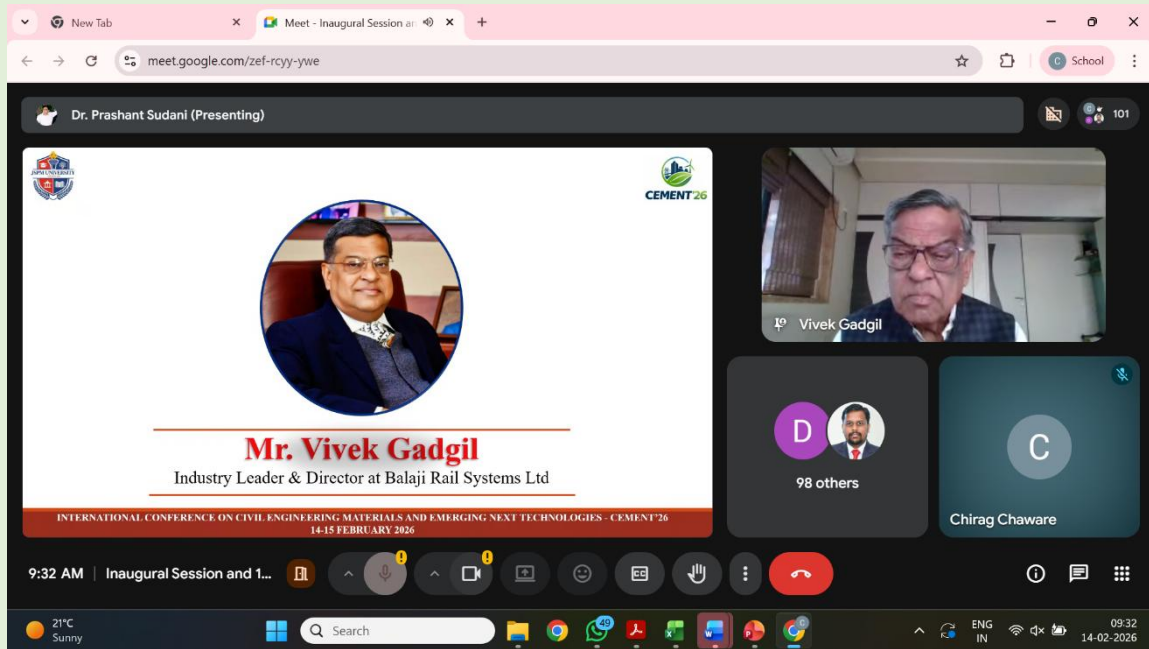


Photo 2: Inaugural Address by Honorable Chief Guest, Mr. Vivek Gadgil



Photo 3: Abstract Book Release

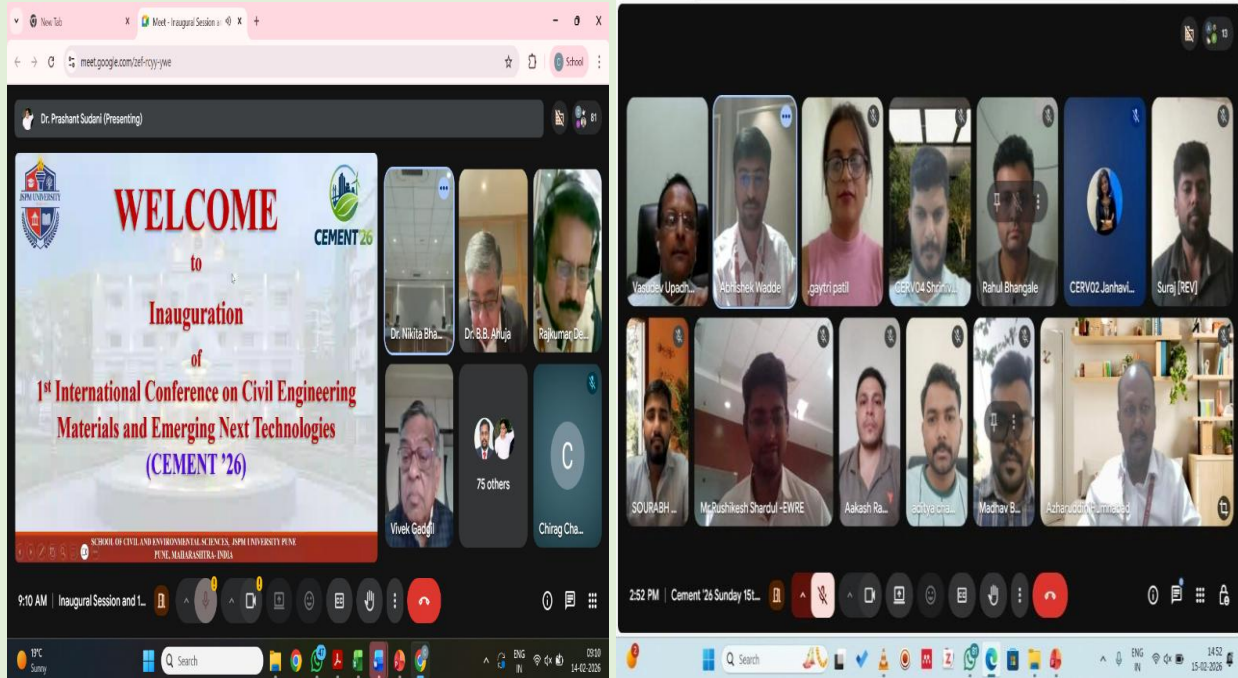


Photo 5: Activities during session

5. Happy Study Spaces: A Workshop on Mental Health Awareness

Overview of the Event

Title: Happy Study Spaces: A Workshop on Mental Health Awareness

Date: 16th February 2026

Time: 10.30 am to 12.30 pm

Venue: A016, Godavari Building, JSPM University Pune

Participants: Students and Faculty members

Introduction:

The workshop titled “Happy Study Spaces: A Workshop on Mental Health Awareness” was organized for second and third year students of Civil and Environmental Sciences to promote psychological well-being and create a positive academic atmosphere for students on 16th February 2026 at A-016, Godavari Building. The program was attended by undergraduate students of Civil and Environmental Sciences department.

Topics Covered:

- Meaning and importance of mental health
- Common mental health challenges faced by students (exam stress, peer pressure, career anxiety)
- Signs and symptoms of anxiety and depression
- Time management and stress management techniques
- Creating a positive and distraction-free study space
- Seeking professional help and available support systems

Outcome

- ✚ Increased awareness about mental health issues among students.
- ✚ Reduction in stigma associated with seeking psychological help.
- ✚ Improved understanding of stress management techniques.
- ✚ Enhanced peer interaction and supportive communication.
- ✚ Positive feedback from participants regarding the relevance and usefulness of the session

Conclusion:

The workshop “*Happy Study Spaces: A Workshop on Mental Health Awareness*” proved to be a meaningful and impactful initiative toward promoting mental well-being in the academic environment. It emphasized that mental health is equally important as physical health and academic performance.

By encouraging open dialogue, practical coping strategies, and awareness about support systems, the program contributed to creating a more positive, understanding, and supportive study environment. Continued efforts in this direction will help build resilient, confident, and emotionally balanced students.



Photo1: *Expert conducting Workshop on Mental Health awareness*

6. Webinar on Professional Practice and Opportunities in Real Estate Valuation for Civil Engineers

Overview of the Event

Date: 3rd March 2026

Venue: Online, Google meet

Guest Speaker: Mr. Dhananjay Shinde, IBBI Registered Valuer

Participants: UG and PG Students of Civil Engineering, Faculty Members.

Introduction

The School of Civil and Environmental Sciences, Faculty of Science & Technology, JSPM University, Pune, organized a webinar on “Professional Practice and Opportunities in Real Estate

Valuation for Civil Engineers.” The purpose of the webinar was to introduce students to the professional scope of valuation and the opportunities available for civil engineers in the real estate sector.

The speaker elaborated on the significance of property valuation in sectors such as banking, taxation, insurance, and legal matters, and discussed the roles, responsibilities, and methodologies followed by professional valuers. Detailed guidance on the IBBI Valuation Examination, including eligibility, registration, and career pathways as a Registered Valuer, was also provided. The session was enriched with practical insights through sample valuation reports, enabling students to understand real-world applications. Additionally, an alumnus shared perspectives on pursuing M.Tech in Real Estate Valuation and its career benefits.

Event Outcomes:

- ✚ Students gained knowledge about the field of real estate valuation and its significance in the construction and financial sectors.
- ✚ Participants learned about the roles and responsibilities of professional valuers.
- ✚ Students received detailed information about the IBBI Valuation Examination and the process of becoming a Registered Valuer.
- ✚ The demonstration of valuation reports helped students understand the practical process of property valuation.
- ✚ Students also gained insights into higher education opportunities such as M.Tech in Real Estate Valuation.

Conclusion:

The webinar on “Professional Practice and Opportunities in Real Estate Valuation for Civil Engineers” was highly informative and beneficial for the students. It provided valuable insights into valuation practices, professional requirements, and career opportunities in the real estate sector. The explanation of the IBBI examination and the demonstration of valuation reports helped students understand both the theoretical and practical aspects of valuation practice. Overall, the webinar successfully enhanced students’ awareness about valuation as an emerging and promising career option for civil engineers.

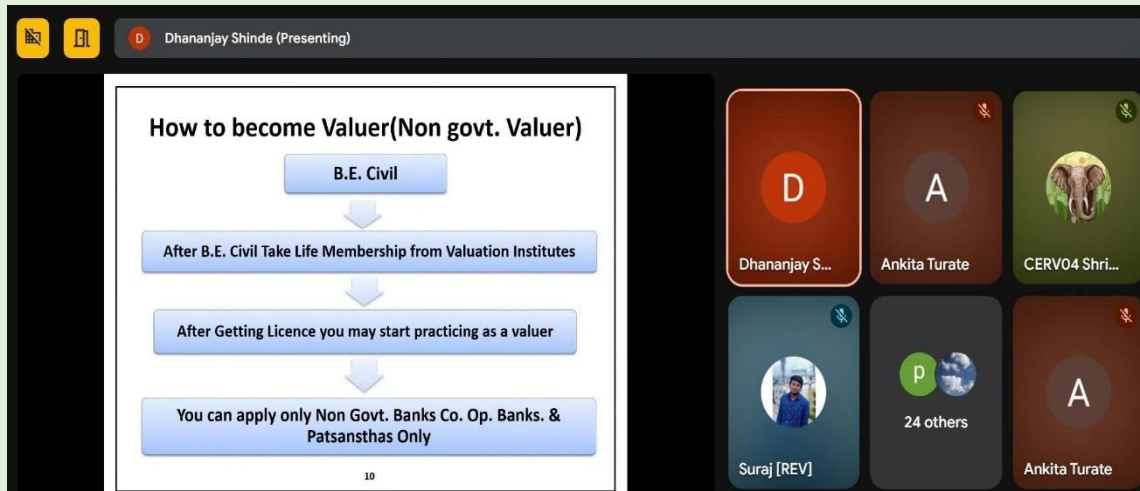


Photo 1: Resourse person discussing valuation practices for civil engineers

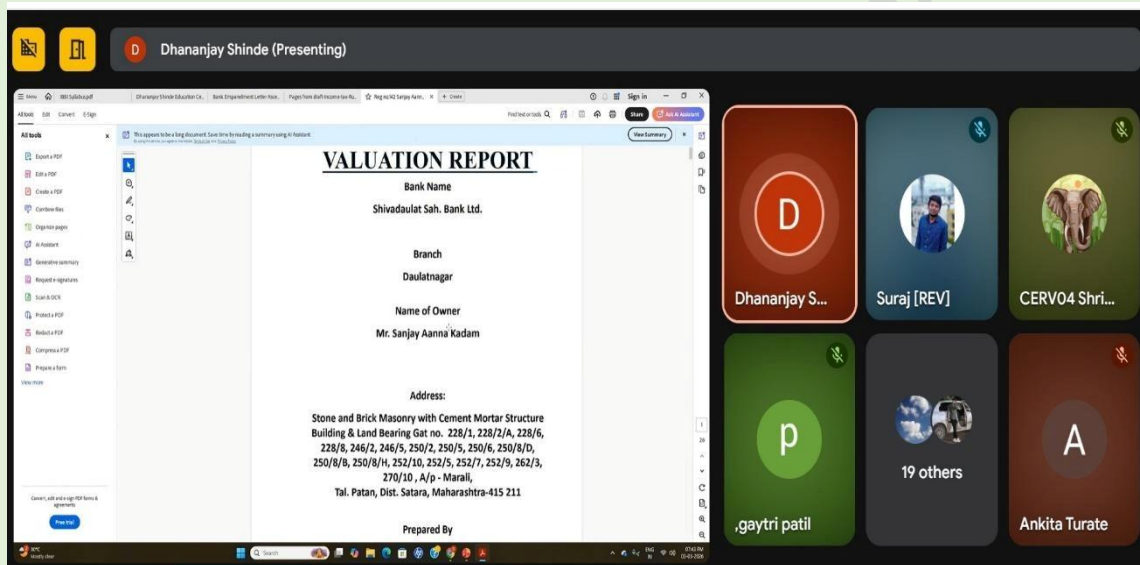


Photo 2: Session on valuation report

7. Inauguration of IGBC Students Chapter

Overview of the Visit

Date: 23rd March 2026

Venue: Seminar Hall, University Building, JSPM University Pune

Participants: Civil Engineering Students and Faculty

Introduction

The inauguration of the IGBC (Indian Green Building Council) Students Chapter at the School of Civil and Environmental Sciences, JSPM University, Pune, marked a significant step towards promoting sustainability and green building practices among students. The event aimed to create awareness about environmentally responsible construction and to encourage students to actively participate in sustainable development initiatives. The ceremony witnessed the presence of distinguished guests, faculty members, and enthusiastic students, making it a momentous occasion for the institution.

Members of IGBC Students' Chapter at JSPM University Pune

- **Faculty advisor-** Dr. Snehal Abhyankar
- **Student Green Executive (SGE):** Mr. Pathamesh Walke, TY B. Tech Civil, SCES, JSPM University Pune.
- **Student Green Public Relation (SGPR):** Mr. Omkesh Sakhare, SY B. Tech Civil, SCES, JSPM University Pune.
- **Students Green Secretary (SGS):** Mr. Yash Shivale, SY B. Tech Civil, SCES, JSPM University Pune.
- **Students Green Volunteer (SGVC):**

Mr. Labhesh Pawar, SY B. Tech Civil, SCES, JSPM University Pune

Mr. Mahesh Phad, SY B. Tech Civil, SCES, JSPM University Pune.

Mr. Prem Chapke, SY B. Tech Civil, SCES, JSPM University Pune.

Mr. Omkar Nikam, SY B. Tech Civil, SCES, JSPM University Pune.

Mr. Tarunya Gowardipe, SY B. Tech Civil, SCES, JSPM University Pune.

Mr. Shivkumar Rubde, SY B. Tech Civil, SCES, JSPM University Pune.

Ms. Samiruddhi Sable, SY B. Tech Civil, SCES, JSPM University Pune.

Event Outcome

The inauguration successfully established the IGBC Students Chapter, providing a platform for students to engage in green building concepts, research activities, and sustainability-driven projects. Students gained valuable insights into the importance of eco-friendly construction practices, resource efficiency, and sustainable infrastructure development. The event also inspired students to pursue IGBC certifications, participate in green building competitions, and contribute towards environmental conservation through innovative engineering solutions.

Conclusion

The inauguration of the IGBC Students Chapter concluded on a positive and inspiring note, reinforcing the institution's commitment to sustainability and environmental responsibility. The event not only enhanced awareness but also motivated students to take proactive steps toward building a greener future. With continued support and active participation, the chapter is expected to play a vital role in shaping responsible engineers who contribute to sustainable development and green building practices.



Photo 1: Lamp lightening ceremony



Photo 2: Speech by Dr. Aniket Patil, Director(I/C), SCES, FST



Photo 3: Presentation of IGBC Membership Certificate



Photo 4: Group photograph of IGBC Guests and Faculty members (SCES)



Photo 5: IGBC Students' Chapter members at JSPM University Pune

8. Inauguration of Civil Engineering Student Association (CASTLE)

Overview of the Event

Date: 23rd March 2026.

Venue: Seminar Hall, University building, JSPM University Pune

Participants: Students and Faculty of SCES

Introduction

The inauguration of CASTLE (Civil Engineering Association of Students for Training, Leadership & Excellence) at JSPM University, Pune, marked the beginning of a dynamic platform aimed at fostering technical knowledge, leadership skills, and professional development among civil engineering students. The event brought together faculty members, student leaders, and participants to celebrate the establishment of this student-driven initiative dedicated to academic and co-curricular excellence.

Office Bearers

- **President:** Aditya Parhad
- **Vice President:** Vishwatej Jagtap
- **Secretary:** Yash Jadhav

- **Vice Secretary:** Devika Varma
- **Treasurer:** Rajwardhan Dabhade

Committee Members

- Sumit Gawade
- Omkesh Sakhare
- Neha Goswami
- Yashraj Tambe
- Prem Chapke
- Gauri Mukkavar

Outcomes

The inauguration successfully established CASTLE as a structured student association, encouraging active participation in technical activities, workshops, and leadership roles. It provided students with opportunities to enhance practical knowledge, teamwork, and organizational skills. The formation of the committee also ensured effective planning and execution of future events, contributing to the overall growth and development of students.]

Conclusion

The ceremony concluded on a positive and motivating note, setting a strong foundation for CASTLE's future endeavors. The initiative is expected to play a vital role in nurturing competent civil engineers by promoting innovation, leadership, and continuous learning. With collective efforts, CASTLE will serve as a platform for students to achieve excellence and contribute meaningfully to the field of civil engineering.



Photo 1: Participant present at the venue of Inauguration of CASTLE



Photo 2: Speech by Dr. R.S. Deshpande, Dean, FST



Photo3: Members of CASTLE with Chief Guests

9. One-week Online FDP on Green Building Technologies and Sustainability (IGBC Students Chapter Initiative)

Overview of the Event

Title: FDP on Green Building Technologies and Sustainability

Date: 23rd – 28th March 2026

Venue: Online

Introduction

The School of Civil and Environmental Sciences, JSPM University, Pune, organized a one-week online Faculty Development Programme (FDP) from 23rd to 28th March 2026, titled Green Building Technologies and Sustainability (IGBC Students' Chapter Initiative) focusing on key aspects of sustainability and environmental management. Conducted on Monday to Friday from 5:30 PM to 7:30 PM and Saturday 4:30 PM to 7:00 PM (including Valedictory function), the programme brought together distinguished experts to share insights on green audit, water management, energy efficiency, and waste management. The FDP aimed to enrich faculty knowledge and promote the integration of sustainable practices into academics and research. The FDP witnessed active participation of a total of 70 faculty members, Research scholars and postgraduate students across various disciplines. Each session was followed by interactive discussions, allowing participants to engage with the experts and clarify their queries.

Session Details:

Day & Date & Time	Guest Speakers	Topics
Day 1, 23 rd March 2026	Dr. Rahul Pradeep Agrawal MIT, Sambhajinagar	Green Audit
Day 2, 24 th March 2026	Dr. Virendra Dehadrai Owner Aquades Structural Consultants, Nagpur	Sustainable Water Management
Day 3, 25 th March 2026	Mr Nagendra Subrahmanyam Associate Counsellor, CII - IGBC	Water conservation in Buildings
Day 4, 26 th March 2026	Ms Priadarshni Puranam Counsellor, CII - IGBC	Energy efficiency
Day 5, 27 th March 2026	Ar Sri Rekha , Senior Counsellor, CII – IGBC	Sustainable Building Materials & waste management
Day 6, 28 th March 2026	Dr. Snehal Abhyankar Associate Professor JSPM University Pune	Recycling techniques for sustainable approach

Outcome

- ✚ Enhanced understanding of sustainability concepts and their practical applications.
- ✚ Gained insights into green audit methodologies and environmental assessment techniques.
- ✚ Improved knowledge of water conservation and sustainable water management practices.
- ✚ Awareness of energy-efficient technologies and sustainable design approaches.
- ✚ Understanding of sustainable materials and effective waste management strategies.
- ✚ Encouraged integration of sustainability concepts into teaching, research, and institutional practices.
- ✚ Promoted a culture of environmental responsibility among participants.

Conclusion

The Faculty Development Programme on Green Building Technologies and Sustainability (IGBC Students' Chapter Initiative) proved to be highly informative and impactful, providing a platform for knowledge exchange and professional growth. The participation of 70 attendees and the expert-led sessions contributed to a rich learning experience. The initiative marked a significant step towards strengthening environmental awareness and sustainability. The FDP successfully motivated participants to adopt and promote sustainable practices, marking a significant step towards strengthening sustainability-driven education within the university.

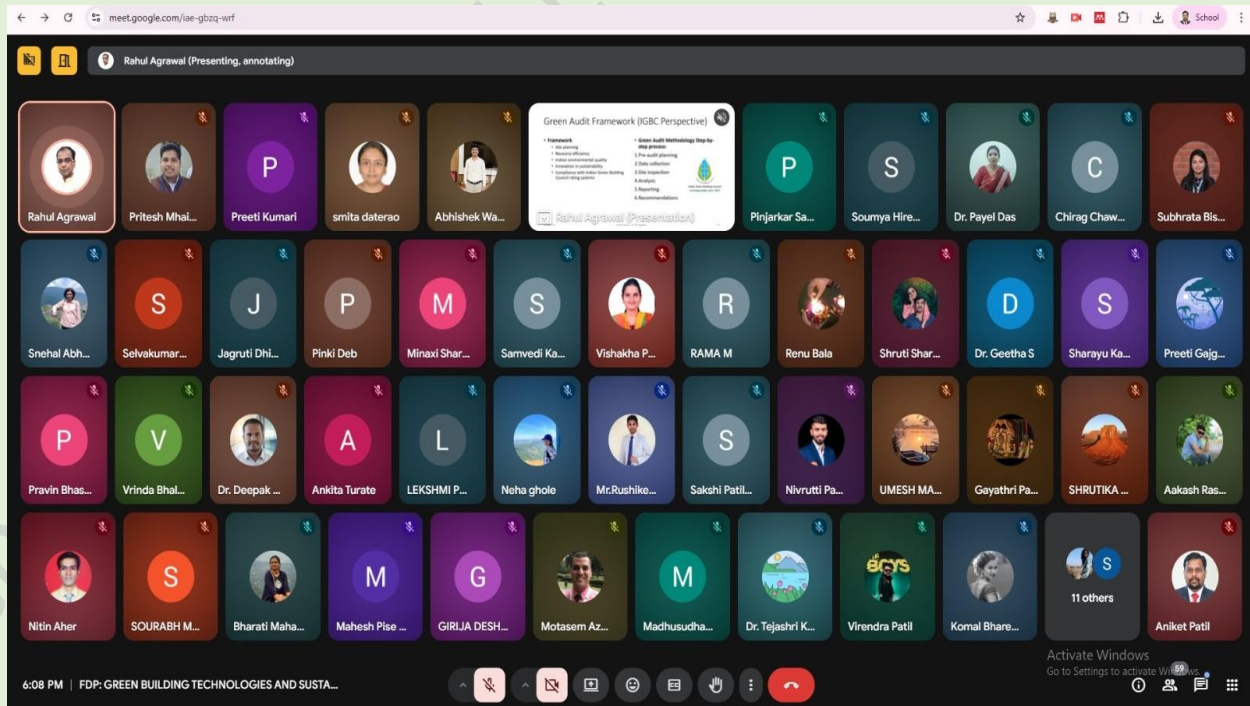


Photo 1: Day 1 expert session on Green Audit

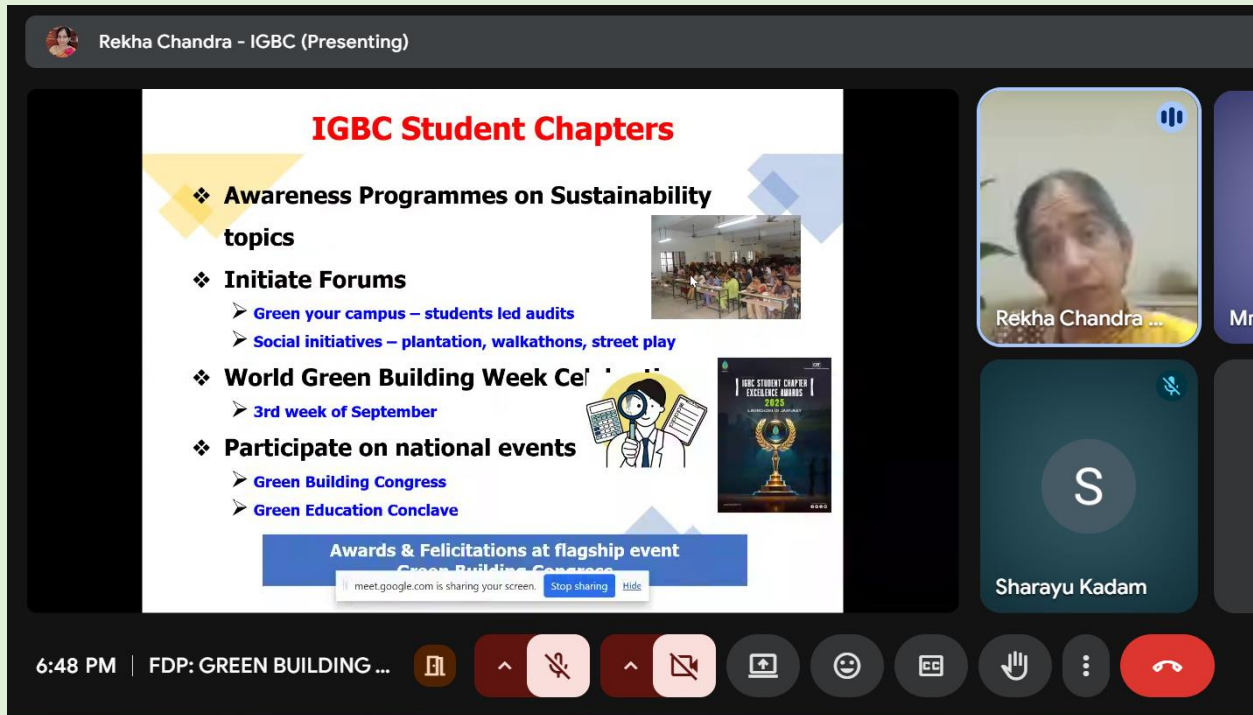


Photo 2: Ar. Shri Rekha explaining IGBC Students Chapter activities

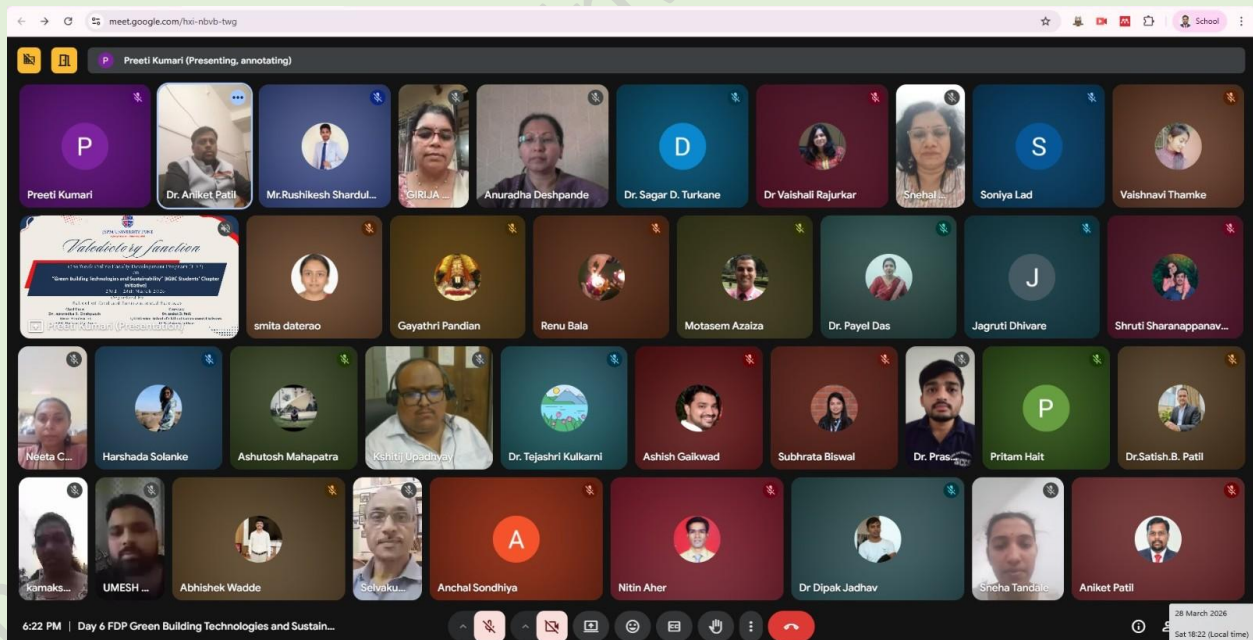


Photo 3: Valedictory function

Faculty Participations

Sr. No.	Name of the Faculty	Programme	Topic	Date	Organized by
1	Mr. Gokul Dhumal Mr. Chirag Chaware Ms. Ankita Turate Ms. Sharayu Kadam Mrs. Preeti Kumari Dr. Nikita Bhagat Dr. Aniket Diliprao Patil Dr. Dipak Jadhav	ATAL FDP	Circular Economy in Civil Infrastructure - A Pathway to Sustainable Development	24th-29 th November 2025	NSS COLLEGE OF ENGINEERING
2	Dr. Aniket Diliprao Patil	Short Term Training Program (STTP)	One Week ISTE Approved Short Term Training Program (STTP)	15 th – 20 th December 2025	Organized by Department of Civil Engineering, Gharda Institute of Technology
3	Dr. Aniket Diliprao Patil	Training Program	One-Day Training Program on CONCRETE TESTING	28 th January 2026	Department of Civil Engineering, Sinhgad college of engineering, Pune
4	Mr. Sharanabasappa Kori	1 Week FDP	BIM Using Revit Architecture	9 th - 14 th March 2026	Department of Civil Engineering, SRPIT, Shirol
5	Mr. Sharanabasappa Kori	Webinar	Last- minute NIRF Readiness: Strategy, Tools and Accuracy	30 th January 2026	STUDIUM
6	Mr. Abhishek Wadde	One week FDP	Emerging Technologies and Sustainable Practices in Civil Engineering	9 th - 13 th March 2026	Vidya Jyoti Institute of Technology, Hyderabad
7	Dr. Prashant Sudani	One week FDP	Emerging Technologies and Sustainable Practices in Civil Engineering	9 th - 13 th March 2026	Vidya Jyoti Institute of Technology, Hyderabad

Sr. No.	Name of the Faculty	Event	Achievements	Date	Organized by
1	Dr. Prashant Sudani	CIVIL CONNECT, Toronto, Canada	Resource Person	17 th December 2025	Infiniteminds (Research Group)
2	Dr. Prashant Sudani	One week FDP on Finite Elements Modelling for Analysis of Civil Engineering Structures	Resource Person	24 th December 2025	DY Patil Institute of Technology DPU
3	Dr. Snehal Abhyankar	Member	Member of editorial board of Journal of Civil, Construction and Environmental Engineering	March 2026	Journal of Civil, Construction and Environmental Engineering, JCCEEE
4.	Dr. Snehal Abhyankar	Editorial Member	International Scientific Committee of Civil and Environmental Engineering	March 2026	

Student Participations and Achievements

Sr. No.	Name of the Student	Event	Participation/ Achievements	Date	Organized by
1	Ms. Sakshi Bharat Patil	15 days certification course on "Road safety Audit"	Certification Course	10 th – 25 th November 2025	Indian Academy of Highway Engineers, Noida
2	Mr. Aditya Parhad Mr. Prem Chapke Ms. Devika Verma Mr. Yashraj Tambe Mr. Yash Jadhav	Workshop on MIDAS geotechnical Software for slope stability	Attended Workshop	17 th March 2026	GEOFEST 2026
3	Mr. Sumit Gawade	Voice of JSPM	Second place(English)	13 th February 2025	JSPM University, Pune

Faculty Details



Dr. Aniket Patil
Senior Assistant Professor
Specialization: Structural Engineering



Dr. Dipak A. Jadhav
Assistant Professor
Specialization: Water Management



Dr. Pritam Hait
Assistant Professor
Specialization: Structural Engineering



Dr. Prashant Sudani
Assistant Professor
Specialization: Geotechnical Engineering



Miss Ankita Turate
Assistant Professor
Specialization: Construction Management



Miss Sharayu Kadam
Assistant Professor
Specialization: Construction Management



Dr. Nikita Bhagat
Assistant Professor
Specialization: Construction Management



Mr. Manjunath Changali
Assistant Professor
Specialization: Transportation Engineering
and Management



Mr. Sharanabasappa Kori
Assistant Professor
Specialization: Highway Engineering



Mr. Azharuddin Humnabad
Assistant Professor
Specialization: Structural Engineering



Mr. Chirag Chaware
Assistant Professor
Specialization: Environmental and Water
Resource Engineering



Mr. Mahesh Lokhande
Assistant Professor
Specialization: Structural Engineering



Dr. Pravin Bhasme
Assistant Professor
Specialization: Environmental and Water
Resource Engineering



Mr. Gokul Dhumal
Assistant Professor
Specialization: Geotechnical Engineering



Mr. Tushar Das
Assistant Professor
Specialization: Structural Engineering



Miss Preeti Kumari
Assistant Professor
Specialization: Environmental Science and
Technology



Dr. Pinki Deb
Assistant Professor
Specialization: Transportation Engineering



Dr. Sagar Turkane
Sr. Assistant Professor
Specialization: Geotechnical Engineering



Dr. Snehal Abhyankar
Associate Professor
Specialization: Structural Engineering



Dr. Dipak Manohar Kolekar
Assistant Professor
Specialization: Structural Engineering



Dr. Jaicky Harish Gurnani
Assistant Professor
Specialization: Structural Engineering



Mr. Abhishek Somshekar Wadde
Assistant Professor
Specialization: Structural Engineering

School of Civil and Environmental Sciences

*“Knowledge is our
foundation,
Sustainability our
goal, and the
Horizon our
destination.”*

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