



AISSMS

COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi and affiliated to Savitribai Phule Pune University
College ID No. PU/PN/Engg/093(1992)
Accredited by NAAC with Grade 'A+'



The newsletter of Department of Civil Engineering

Concrete People

2025-26 (Term –I)

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Editorial Board

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Our Inspiration

**Shri Shahu
Chhatrapati Maharaj**

President, AISSMS



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Vision

Service to Society through quality education.

Mission

Generation of national wealth through academics and research.
Imparting quality technical education at cost affordable to all strata of the society.
Enhancing quality of life through sustainable development.
Achieving the distinction of highest preferred engineering college by stake holders.
Carrying out high quality intellectual work.

From Principal's Desk:



I'm glad to signify that with commencement of this year 2025-26 AISSMS College of Engineering has completed 33 grand years of its establishment. AISSMS COE has an outcome of academic excellence achieved, is consistently producing University gold medalists and top rankers in different branches of engineering. Faculty is actively involved in research and development. College has a number of very high-end analytical, computational and experimental facilities at the disposal of students. We are going to concentrate more upon the Engineering Research activities and use those for students and society welfare. I am confident that the College is in a position to deliver the best theoretical and practical training to the students and offer the best talent to the employers. I wish all the best to the aspiring students, employers and all other stake-holders in achieving their goals.

“Civil engineering is a profession that integrates knowledge from many disciplines to provide solutions to challenges faced by society”

From Editors Desk...

It gives us immense pleasure to hand over to you "Concrete People" the newsletter of Civil engineering department. The course leading to a bachelor's degree in Civil Engineering was started in the year 2002. Additional intake in 2012. The department also runs a PG program in Structural Engineering with intake of 18. The Department presently has highly qualified and experienced faculty on its roll. The activities in the Department are conducted, besides teaching, in the areas of research, training, alumni and Training and Placement. The present era and the challenging future, demands strong basic technical knowledge and continuous growth of engineering students on all facets. Therefore the department is bestowed with highly qualified and experienced faculty members with specialization in various disciplines of engineering and sciences.

Hope you will find this newsletter informative. Your suggestions for improvement in the newsletter are welcome.

From HOD's Desk..



The Undergraduate Program in Civil Engineering at AISSMS COE, Pune, was established in 2002 with an initial intake of 60 students. In response to the growing demand for skilled civil engineers, the intake was increased by an additional 60 seats in 2012. The department also successfully offers postgraduate programs in Structural Engineering and Construction Management, both of which consistently achieve full admissions, reflecting the department's strong academic reputation and industry trust. The Department is also recognized as a Ph.D. Research Centre by SPPU

With the implementation of autonomous status at the Department has introduced its autonomous curriculum for both UG and PG programs. The curriculum has been designed in consultation with industry experts, academicians, and alumni to align with emerging technologies, industry requirements, ensuring students are equipped with future-ready knowledge and skills.



"A good civil engineer doesn't merely design things; he makes things work."



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Vision

Nurture the talent in civil engineers to work as global leaders for the development of society.

Mission

- Provide quality education to develop competent civil engineers
- Create awareness among students for sustainable development
- Cultivate the leadership qualities for becoming successful entrepreneurs

Program Educational Objectives (PEOs):

- To produce civil engineering's who will be fully aware of the impact of their work on society, both nationally and globally.
- To achieve a high level of technical expertise to succeed in civil engineering practice and research.
- To develop civil engineers who acquire professionalism, leadership and commitment to professional development through lifelong learning.

Program Specific Outcomes (PSO's)

Graduates will able to:

- PSO1: Exhibit technical knowledge in planning, analysis, design and management for infrastructural development.
- PSO2: Apply the innovative technologies to address Civil Engineering problems of the society.
- PSO3: Enhance professional abilities to meet industrial need.

Short Term Goals

- To augment infrastructure and processes for enhancement in teaching learning.
- To extend assistance to students for competitive examinations, higher studies and entrepreneurship.
- To establish Research centre.

Long Term Goals

- To develop testing and consultancy facilities.
- To have cent percent Doctorate faculties.
- To strengthen collaboration with the reputed institutes and industries.

Staff Achievements

- ❖ Marathi Translation of the book titled “Civil Engineering : Societal and Global Impact” by Mr Chetan Misal is published under AICTE UDAAN Scheme in October 2025. ISBN:978-93-6027-820-5.
- ❖ Dr. R D Nalawade honored with the prestigious Higher Education Leader – 2025 award at the University Leader Forum, organized by Simplilearn.
- ❖ Dr (Mrs) S A Chavan completed Ph.D. from SPPU Pune in December 2025.

Webinars/Expert Talks/FDP organized by Faculty

- ❖ Dr. P B Nangare, Dr. P R Satarkar and Dr S P Khedekar organized an Expert Session on “Awareness to Constitution of India” on 14th August 2025.
- ❖ Dr. V S Chavhan and Dr. P R Modak successfully hosted IWWA Foundation Day Program at AISSMSCOE on 10th October 2025.
- ❖ Dr P R Modak organized an Expert Session on Awareness to ArcGIS and Career Opportunities, by Ms. Ankita Sindhu on 5th August, 2025.
- ❖ Ms. V V Rokade & Dr. P R Modak organized One day Workshop on Differential Global Positioning System (DGPS) by Mr. Vijay Thorat from Lawrence & Mayo Pvt. Ltd. on 28th October 2025.

Faculty Publications

- ❖ Dr P R Modak, Dr S D Nagrale, Dr V S Chavhan and Dr S P Khedekar published a paper on Experimental and Numerical Comparison of Hydraulic Parameters of Ski-Jump Bucket Energy Dissipator.
- ❖ Dr M V Waghmare and Dr. S R Parekar published a paper on Investigate the Compressive Performance of Fiber-reinforced Concrete.
- ❖ Dr S R Parekar published a paper on Geo-Polymer Concrete: An Experimental Approach Toward Sustainable Construction.
- ❖ Dr M V Waghmare published a paper on Optimal Position of Hybrid Outrigger in High-Rise Building .
- ❖ Dr M V Waghmare published a paper on Seismic analysis of Buckling-restrained Braced diagrid structures.
- ❖ Dr P R Satarkar published a paper on Crack classification and segmentation in RC beams using convolutional neural networks and transfer learning.

- ❖ Dr. K N Kulkarni and Dr. S S Bhuinyan attended One Week online NEP Orientation and Sensitization Programme conducted by Centre for Teaching Learning and Virtual Skilling by IIT Kharagpur.
- ❖ Dr. S S Bhuinyan attended Two-week CEEE INAE training program at IIT Bombay.
- ❖ Dr. V N Patil attended a Seminar on MSME - IDEA HACKATHON 5.0 on 9th July 2025.
- ❖ Dr. M V Waghmare attended IUCEE Leadership Summit at Goa during 11th to 12th July 2025.
- ❖ Dr. V N Patil attended FDP on Practical Approaches to Soil Improvement and Sustainable Geotechnical Solutions during 15-19 September 2025.
- ❖ Dr. V N Patil attended Workshop on Academic Research Coordination organized by SPPU on 31st July 2025.
- ❖ Dr. D V Wadkar, Dr. K N Kulkarni and Dr. S P Khedekar attended One-week ATAL FDP on Generative AI" organized by AISSMS from 4th to 9th August, 2025.
- ❖ Mr. V S Bhakare successfully completed Two NPTEL courses on Digital Land Surveying and Mapping (DLS&M) and Design of RCC structure during July to September 2025.
- ❖ Dr. S S Bhuinyan successfully completed NPTEL course on Advanced Prestressed Concrete Design during July to September 2025.
- ❖ Dr. S S Bhuinyan successfully completed certification course on Digital Productivity with AI
- ❖ Dr. S S Bhuinyan successfully completed NITTT Module-1 on Orientation towards technical education and Curriculum aspects.
- ❖ Dr. V N Patil attended a Webinar on Mobilizing IICs and Leveraging MIC Schemes by Dr. Abhay Jere, Vice Chairman, AICTE and Ministry of Education on 2nd July, 2025.
- ❖ Dr. P R Modak and Dr. S P Khedekar attended an International seminar on Sustainable Waste Water Treatment Technologies in a Circular Economy on 9th October 2025.
- ❖ Dr. M V Waghmare and Dr S P Khedekar completed NITTTR Module No.- 1, 5, 6, 7 and 8.
- ❖ Dr. R D Nalawade completed NITTTR Module-1 on Orientation Towards Technical Education and NITTTR Module-4 on Curriculum Aspects and Instructional Planning and Delivery.

STIPs/ Workshops/ FDPs attended by Faculty

- ❖ Mr C R Yeole completed NPTEL Course on Water Society & Sustainability during July to September 2025.
- ❖ Mr. C R Yeole and Ms. V V Rokade completed NITTTR Module-1 on Orientation Towards Technical Education and Curriculum Aspects.
- ❖ Dr. P R Satarkar completed NITTTR Module -1 and Module-3.
- ❖ Dr. R D Nalawade attended Seminar on Physical and Computational Modelling organized by CWPRS, Pune during 29 to 31 July, 2025.
- ❖ Dr. R D Nalawade attended Seminar on Seepage problem in Hydraulic Structure organized by CWPRS, Pune during 15 to 16 September, 2025.
- ❖ Dr. R D Nalawade attended FDP on Smart Materials and Technologies for Durable Structures organized by V. R. & J.C. College of Engineering, Guntur during 15 to 19 September, 2025.
- ❖ Dr. S R Parekar attended FDP on Navigating Research methodologies organized by DIGI SDC during 16/07/2025 to 22/07/2025.
- ❖ Dr. S K Nalawade, Dr. M. V Waghmare, Dr P R Satarkar attended FDP on Research Paper Writing And Plagiarism organized by NITTTR during 18/08/2025 to 22/08/2025.
- ❖ Ms. V. V. Rokade attended ATAL FDP on Navigating Urban Climate Challenges: Sustainable Solutions for Resilient Cities organized by Sandip Institute of Technology and Research, Nashik during 08/12/2025 to 13/12/2025
- ❖ Ms. V. V. Rokade attended National level FDP on Research Writing, Proposals, Funding & IPR organized by TSSM'S Bhivarabai Swant College Of Engineering & Research Narhe, Pune during 22nd - 27th December, 2025.

Students Achievements

- ❖ Alumnae students Himanshu Satpute, Mahesh Jadhav, Atharva Patil, Akshay Panchal, Tejas Vishwas Jadhav, Ashish Pawar selected as Land Surveyor in the Maharashtra Government's Land Records Department.
- ❖ Pratik Kale, Aishwarya Tanpure and Aishwarya Ingawale selected as Town Planning Assistant in Government of Maharashtra.
- ❖ Aditya Shekhar, Samiksha Karandikar and Sujit Nazirkar participated in University level Aavishkar Research Competition 2026.

Students Achievements

- ❖ Yashwant Tupe from T.E. Civil participated in Pune Zonal Powerlifting Competition on 10th October 2025 organized by PCZS.
- ❖ Yash Varandam from T.E. Civil participated in Speech Competition of 5th National Youth Parliament Festival-2025.
- ❖ 11 students from BE Civil batch AY 2025-26 secured prestigious international placement with Takamatsu Construction Group, Japan with package of 35 LPA.
- ❖ 64 students of Department participated in O&D Survey of NH-65 in association with GMD consultants.
- ❖ 51 students of AY 2024-25 Batch have placed in various reputed companies and 17 students taken admission for Higher studies in various premier institutes.
- ❖ Apurva Ajay Murkute from B.E. Civil won Runner-up prize in Zest-26, a National level competition at COEP.
- ❖ Karansing Tatu and Vivek Mundhe from B.E.Civil completed Certificate Course in Autocad, 3DX Max and REVIT.
- ❖ Om Utekar from B.E. Civil participated in National Karate Championship-2025 held at Visakhapatnam on 27th to 30th November, 2025 organised by Okinawa sports karate Association, A.P., World Karate & Kick Boxing Union, Okinawa Martial Arts Academy Binoryu Karate & Japan Karate Shotokai-India – Gold.
- ❖ Onkar Agalave from M.E. Structure participated in SPPU(IQAC) Avishkar-2025 Zonal Level Research Project Competition organized on 05.10.2025.
- ❖ Neel Metha published a paper on Crack Classification An Segmentation In RC Beams Using Convolution Neural Networks And Transfer Learning, in Asian Journal of Civil Engineering.
- ❖ Maheshwari Pise published a paper on Improving Seismic Performance of Base Isolated Structures with A Hybrid U-shaped Steel Damper as an Isolator, in Asian Journal of Civil Engineering.
- ❖ Siddhesh More presented a paper on Effect of Phase Change Material and Silica Fume on Compressive Strength of Concrete, in Two days international conference on Next-Generation Infrastructure: Green Technologies, Smart Cities, and Sustainable Energy Solutions.

- ❖ Vishwas More published a paper on Experimental Analysis of Pre-Processing Methods to Improve Natural Fiber Performance in Concrete in Construction Materials.
- ❖ Maheshwari Pise published a paper on Hybrid U-shaped steel dampers for advancing seismic isolation in building structures Asian Journal of Civil Engineering.
- ❖ Ishani Toradmal published a paper on Comparative Analysis Of Properties Between Lightweight Expanded Clay Aggregate (LCEA) Concrete and Conventional Concrete, in Meerayan Journal.
- ❖ Naseem Sayyed published a paper on Comparative Descriptive Research and Analysis of RCC Twisted and Traditional Buildings Using ETABS Software for Indian and American Codes, in IJSREM.
- ❖ Ayush Parab and Apurva Murkute presented paper on Hybrid Fiber Engineered Cementitious Composites with CO₂ Curing, in ICERTRES-2026.
- ❖ Krushna Tayade, Sanika Ubhe and Sukruti Patil published a paper on Utilization of Banan Trunk for Treating Textile Industry Waste Water, in International Journal of Scientific Research in Engineering And Management
- ❖ B.B. Bodkhe, R.D. Dhotre, T.B. Firodiya and S.V. Chavan presented paper on Geo-Polymer Concrete: An Experimental Approach Toward Sustainable Construction in IJIRT.
- ❖ J. D. Mali, A. O. Panchal, H. D. Satpute and A D Suralkar published paper on Generation of Electricity Using Solid Waste Management in Pune Municipal Corporation in IJSREM, Volume: 09 Issue: 06 | June - 2025 SJIF Rating: 8.586, ISSN: 2582.
- ❖ Ruchita R. Salunkhe published a paper on Investigate the Compressive Performance of fiber Reinforced Concrete Advances in Composites and Materials (ACM 2025), Journal of Physics: Conference Series 3076 (2025) 012013.

Students Achievements

- ❖ SE Civil students Rudra Satav, Viraj Pol, Shravani Pathak and Omkar Tangature won 1st prize in Smart India Hackathon organized at Jaipur on 7th December 2025.





DGPS Training was organized for SE Civil students 4th November, 2025.



TE Civil Site visit organized at B G Shirke Construction Company, Moshi on 11th September, 2025.



TE Civil Site visit organized at Pune Railway Station on 31th October, 2025.



An expert session on Awareness to Constitution of India, on 14th August 2025.



BE Civil visit at CWPRS organized on 08th September, 2025.



Expert Session on Awareness to ArcGIS and Career Opportunities, by Ms. Ankita Sindhu on August 5th, 2025.



Indian Institute of Tropical Meteorology (IITM), Pune on 3rd September, 2025.



The Indian Water Works Association (IWWA) Foundation Day celebrated on 10th October, 2025 at AISSMS COE.



Site visit for SE students at A. B. Vajpayee Medical College Construction Site, Pune on 7th October 2025.



Students Development Program for DSE students organized during 22th September to 17th October, 2025



Study Circle activity organized for SE Civil students on 29th July, 2025



M.E. (Structural Engineering) visit at Elite Residency Undri, Pune 14th October 2025.