



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

2024-25 (Term –I)

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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 2024 AISSMS College of Engineering has completed 32 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 department offers undergraduate civil engineering programme of 120 intake since academic year 2002-2003 and post graduate structural engineering programme of 18 intake from the academic year 2011-12. SPPU Pune recently granted approval for the Ph.D. Research Center also.

The Vision of Department is to Nurture the talent in civil engineers to work as global leaders for development of society. In line with our vision, the Department has modern software and well-equipped laboratories for geotechnical engineering, fluid mechanics, material testing, environmental engineering and transportation engineering. Our Industry Institute Interaction Cell's mission is to foster closer collaboration between academic and industrial fields, We understand the need to create avenues for close academia and industry interaction in a 360 degree approach for all our students. Our students are thriving in the construction industry, as a result of the sincere efforts of the faculties and the cutting edge facilities offered by the Department.



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



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The newsletter of Department of Civil Engineering

Concrete People

2024-25(Term I)

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

- ❖ Dr U R Awari served as Resource Person for One Day Workshop on 'Implementation of Engineering Mechanics in Context of NEP -2020' in association with SPPU at AISSMS COE on 23.8.2024.
- ❖ Dr. U R Awari served as Resource Person for Workshop on Engineering Mechanics organised by College of Engineering and Research, Yeola on 30.08.2024.
- ❖ Dr. U R Awari invited as Chief Guest for Induction Program of First Year Diploma student of RSCOE Polytechnic on 05.09.2024.
- ❖ Dr. U R Awari inaugurated IEI Student Chapter of E&TC at D Y Patil Institute of Technology Pimpri on 01.10.2024.
- ❖ Dr. (Mrs) V N Patil conducted Workshop sessions on "Intellectual Property Right & IP Management" at Pratibha Institute of Business Management on 03.10. 2024.
- ❖ Dr. R D Nalawade, Dr. D V Wadkar and P R Modak represented AISSMS in Inter College Cricket match and won the match.
- ❖ Mrs K N Kulkarni and Ms P R Satarkar awarded PhD in Civil Engineering by Savatribai Phule Pune University.
- ❖ Dr G C Chikute was granted a patent entitled 'Interlocking Block' (414628-001 23 APR 2024)
- ❖ Dr G C Chikute was granted a patent entitled Air Pollutant Removal Chamber (414382-001 22 APR 2024)

Papers Published /Presented in Journal /conferences by Faculty

- ❖ Mrs. S A Chavan published paper on 'Seismic Effect on Medium Rise Reinforced Concrete Building Considering Vertical Irregularities Under the Effect of Soil-Structure Interaction'. In: Kumar, R., Bakre, S.V., Goel, M.D. (eds) Recent Developments in Structural Engineering, Volume 2. SEC 2023. Lecture Notes in Civil Engineering, vol 543. Springer, Singapore. https://doi.org/10.1007/978-981-97-6067-1_5
- ❖ Mrs. S A Chavan published paper on 'Effects of variations in the Design Parameters of Cantilever Retaining Wall', Industrial Engineering Journal, volume 53, Issue 5.
- ❖ Mrs. S A Chavan published paper on 'Effect of soft storey and infill walls on seismic response in zone IV and V', International journal of advance scientific research and engineering trends, Volume 7 , Issue 6

Webinars/Expert Talks organized by Faculty

- ❖ Dr. S S Bhuinyan worked as an organizing committee member in 4th National Conference on Innovation in Engineering and Technology 2024 (NCIET 2024).
- ❖ Dr. U R Awari, Dr. S S Bhuinyan and C S Misal have successfully organized One Day Workshop on 'Implementation of Engineering Mechanics in Context of NEP -2020' in association with SPPU at AISSMS COE Pune on 23.08.2024.
- ❖ Mrs S A Chavan organized an Expert Lecture on 'Practical implementation of Mechanics of Structure using STAAD.Pro FEM Base Software, by Mr. Zeeshan Sakkarge on 01.08. 2024.

Webinars/Expert Talks/FDP organized by Faculty

- ❖ Dr. (Mrs) V N Patil organized 2-IIC Workshops on 'Value proposition fit and business fit' and 'Business model canvas'.
- ❖ Dr R D Nalawade and Mr C R Yeole organized 'Student Development Program for DSE Students' during 09.09.2024 to 02.10.2024.
- ❖ Dr. U R Awari coordinating Celebration of Engineers Day at Institution of Engineers Pune local centre on 14.09.2024.
- ❖ Mr. P R Modak co-ordinated Quality Walk as mentor of Standards Club for Civil Engineering students.
- ❖ Mrs S A Chavan and Mr U J Jadhav organized Value added course on STAAD PRO.
- ❖ Mr. C R Yeole organized an Expert Lecture under IEI student chapter on 'Geophysical Survey and Resistivity Analysis' on 23.10.2024 for TE Civil students

STTPs/Workshops/FDPs attended by Faculty

- ❖ Mrs K N Kulkarni, Dr. S S Bhuinyan and S P Khedekar attended 4-Days Online Training Program at CWPRS, Pune on "Physical and Numerical Modeling for Hydraulic Design of Reservoir and Appurtenant structures" during 17-19, July 2024
- ❖ Mr. P R Modak attended 2-weeks FDP on Research Writing.
- ❖ C S Misal successfully completed NPTEL course on 'Principles and Applications of Building Science' during July-October 2024
- ❖ C R Yeole successfully completed NPTEL Course on "Availability and Management of Groundwater Resources" July-November 2024
- ❖ Dr. U R Awari, Dr. V S Chavhan and Dr. S S Bhuinyan attended FDP on Coastal Engineering organized by DYPCOET, Pimpri from 02.09.2024 to 06.09.2024

STTPs/Workshops/FDPs attended by Faculty

- ❖ S P Khedekar, C S Misal, Dr. A A Manchalwar and C R Yeole completed various NITTTR modules
- ❖ P R Modak attended One Week FDP on 'Process Optimization', organized by University of sustainable Technology Ankaleshwar, Gujrat during 14-18 October 2024
- ❖ P R Modak successfully completed 4-weeks NPTEL course on 'Technical Communication for Engineers' during July-October 2024
- ❖ Dr. Mrs. K N Kulkarni, Dr. Ms. S S Bhuinyan and Ms. S P Khedekar attended NITTTR Course titled "Construction Project Management" from 18.11.2024 to 22.11.2024

Seminars/Webinars attended by Faculty

- ❖ Dr U R Awari attended All India Seminar on 'Role of AI and ML in Mechanical Engineering and its challenges' organized by Institution of Engineers, Navi Mumbai on 06 July 2024.
- ❖ Dr. Mrs M V Waghmare, Mrs K N Kulkarni and S P Khedekar attended One Day Workshop on 'Implementation of Engineering Mechanics in Context of NEP -2020' in association with SPPU at AISSMS COE Pune on 23.08.2024.
- ❖ Dr U R Awari attended Webinar on 'UHPC a radical philosophy in itself' by Dr Satish Jain, organized by Indian Society of Earthquake Technology on 27.08.2024.
- ❖ Dr. U R Awari attended Royal Charter Day organized by Institution of Engineers Maharashtra State Centre on 12.09.2024.

Seminars/Webinars attended by Faculty

- ❖ Dr. S S Bhuinyan attended Session on UHPC- A philosophy in itself, Engineer's Day Celebration event jointly organized UltraTech Cement Ltd by ACCE(I), BAI & ICI - Pune at Deccan Gymkhana Hall on 19.09.2024.
- ❖ Dr S S Bhuinyan attended IFAT Expo, Mumbai, on 18.10.24

Department Activities

- ❖ Induction Program for Civil Engineering students organized during 22.07.24 to 24.07.24.
- ❖ C R Yeole conducted NSS Activity - Post Investigation of Percolation Tank, Water Sample Collection, Cleanliness Drive at Meghaidara Kalyan on 13.09.2024.
- ❖ Civispark and ET 2024 organized successfully at the department
- ❖ Dr. P B Nangare, M S Chiwande and Dr. S S Bhuinyan coordinated Internship Program with J Kumar Infrastructures in presence of Er. Yusuf Inamdar.
- ❖ Department of Civil Engineering organized an Educational Visit under HWRE for TE Civil students to enhance the knowledge in seismology, meteorological constraints and data collection for forecasting on 19.09.24 & 20.09.2024.
- ❖ Department of Civil Engineering organized an Expert Lecture for HWRE course for TE Civil students, on 23.10.24 to update the knowledge in groundwater hydrology, water table depletion and resistivity analysis.

Department Activities

- ❖ Educational Visit for BTAP course for SE Civil students organized at College of Military Engineering, Pune on 08.08.24 to 09.08.24.
- ❖ Site visit for Coastal Engineering course organized for BE Civil students at MBPT, Mumbai on 21.10.2024.
- ❖ Site visit of Fluid Mechanics course for SE Civil students organized at MERI, Nashik on 17.10.2024.
- ❖ Educational Visit of APC course for BE Civil students organized at Sant Tukaram Sahakari Sakhar Karkhana Ltd. Mulshi, Pune on 30.09.2024.

Students Achievements

- ❖ Chinmay Kumbhar, Atharva Virkar, Dheeraj Loharm, Pratik Ippar, Shravani Tambe, and Poorva Shinde (Team HimaShield) have secured a spot in the Smart India Hackathon (SIH 2024) Grand Finale, under the guidance of Dr.(Mrs.) V N Patil at Delhi on 11–12 December 2024.
- ❖ Pranjali Thawri, Sajan Bodele, Vedanti Thorve, Adwait Rao, Jayaanmol Shah, Harshwardhan Thube (Team Astra Codifiers) has made it to the Smart India Hackathon India (SIH 2024) Grand Finale, under the guidance of Dr.(Mrs.) V N Patil at the Bengaluru on 11-12 December 2024





Educational Visit for SE Civil students organised at College of Military Engineering, Pune on 08.08.24 to 09.08.24



Site visit for SE Civil students organized at MERI Nashik on 17.10.24



Educational Visit for BE Civil students organized at Sant Tukaram Sahakari Sakhar Karkhana Ltd. Mulshi on 30.09.2024



Site visit organized for BE Civil students at MBPT, Mumbai on 21.10.2024

Glimpse of Departmental Activities



Induction Program for Civil Engineering students organized during 22.07.24 to 24.07.24.



An Expert Lecture organized for HWRE course for TE Civil students to update the knowledge in groundwater hydrology, water table depletion and resistivity analysis.



Educational Visit under HWRE for TE Civil students to enhance the knowledge in seismology, meteorological constraints and data collection for forecasting on 19.09.24 & 20.09.2024.



Educational Visit organized for ME (CM) students at Ashwini Apartments Erandwane Pune on 08.01.2025



Apurva Murkute from TE Civil secured Runner-up position in Table Tennis at Flame Kurukshetra 2025