



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

2023-24 (Term II)

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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 2023 AISSMS College of Engineering has completed 30 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

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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

- ❖ Design Patent Registration Certificate for- GRAIN AND SEED SORTING MACHINE granted to Dr.(Mrs.) V N Patil
- ❖ Dr.(Mrs.) V N Patil published a Book Entitled-“Introduction To Data Science”
- ❖ Design Patent Registration Certificate for-DEVICE TO MONITOR GROWTH OF PLANT AND CROPS granted to Dr.(Mrs.) V N Patil, Dr. A A Manchalwar
- ❖ Dr. V N Patil has Conferred Best Paper Award For Paper Entitled “From Myth To Modernity: Resonating Echoes Of Feminine Empowerment“ In International Conference On Gender Equality & Women Empowerment 2024
- ❖ Patent has been granted to Dr. (Mrs.) V N Patil for an invention entitled REGULAR EQUAL WATER DISTRIBUTION SYSTEM on 15/03/2024
- ❖ Dr.G C Chikute has been selected as Mentor for DBATU Forum of Innovation, Incubation & Enterprise (DFIIE), Dr. Babasaheb Ambedkar Technological University Lonere
- ❖ Dr M V Waghmare received Excellence Award in “Education and Research” from The Great MG women’s group in association of Institution of Engineers Pune Local Centre, Pune on 31.03.2024
- ❖ Dr M V Waghmare invited as a resource person in the one day workshop on "Research Topics for PG Structure Students" organized by IEI (Pune Local Centre) and ISET on 27.04.2024
- ❖ Dr. U R Awari has been nominated as a Secretary of Indian Society of Earthquake Technology Pune Local Centre from February 2024.
- ❖ Dr V N Patil appointed as Evaluator in school innovation contest organized by Ministry of Education Innovation Cell.
- ❖ Dr U R Awari evaluated Engineering project proposals in scrutiny process of DIPEX 2024 carried at COEP Technical University Pune on 11.02.2024
- ❖ Dr. U R Awari worked as Election Officer for CDC Election on 26.04.2024
- ❖ Dr R D Nalawade worked as Judge for National level technical event Geofest, at PCCOE, Ravet on 06.04.2024
- ❖ Dr R D Nalawade invited as Resource person at DYP, IOT, Pimpri for Technical session on 24.04.2014

Papers Published /Presented in Journal/conferences by Faculty

- ❖ Mrs. S A Chavan published a paper on ‘Seismic Effect on medium rise reinforced concrete building considering vertical irregularities under the effect of soil structure interaction’
- ❖ Dr S K Nalawade published a paper on ‘Traffic Congestion Charging And Implementation Issues’, Eur. Chem. Bull. 2023,12(Special Issue 5), 3007-3015
- ❖ Dr V N Patil presented a paper Entitled “From Myth to Modernity Resonating Echoes Of Feminine Empowerment” in International Conference on Gender Equality & Women Empowerment organized by, PVGCOET & GKPIOM in association with SPPU, on 09.03.2024.

Webinars/Expert Talks organized by Faculty

- ❖ Dr R D Nalawade worked in Organization Committee for organizing ‘Workshop on Bridge Engineering for PWD Engineers’ with IGS Pune and PWD Maharashtra on 23.01.24
- ❖ M S Chiwande organized Guest lecture on Guidance for Higher studies by IDP Pune on 21.01.24
- ❖ Dr P B Nangare organized an Expert Talk on Rejuvenation of Dams by Col. Suresh Patil in association with IWWA, Pune Centre on 09.02.24
- ❖ Mr C R Yeole coordinated Ideathon - Inter Department Competition organized on 28.02.2024
- ❖ Dr P B Nangare, Mrs. K N Kulkarni and S P Khedekar organized One day Workshop on "Plumbing System" by Mr. Shyam Deshmukh, PARAS Industry on 11.03.2024
- ❖ Dr P B Nangare and Dr. S S Bhuinyan organized Leadership Talk in association with UltraTech Ltd., Pune on 14.03.2024
- ❖ Dr P B Nangare and Dr. S S Bhuinyan organized One Week workshop on 'BIM' for shortlisted students at CCTech.

Webinars/Expert Talks organized by Faculty

- ❖ Dr P B Nangare and Dr. S S Bhuinyan organized Program on MOU Exchange between PCERF and AISSMS COE on 12.04.2024
- ❖ Dr S R Parekar organized Guest lecture on Preparation of Gate-2025
- ❖ Mrs K N Kulkarni and S P Khedekar organized Expert lecture by Mr Chinmay Borgavkar on 'Project Management' for SE Civil students on 24.04.2024
- ❖ Dr S K Nalawade organized an Expert lecture on Construction Survey, by Mr. Kiran Nalawade 20.04.24
- ❖ M S chiwande and Mr U J Jadhav organized an Expert Talk on 'Different Admixtures and Water Proofers" by Mr Shailendra Patil on 26.04.2024

STTPs/Workshops/FDPs attended by Faculty

- ❖ Dr U R Awari attended international workshop on VISION 2024 organized by Inspire Softech Solution, Chennai on 31.12.2023
- ❖ Dr U R Awari attended Expert Talk on "Emerging Opportunities and Challenges in Valuation Sector in India, organized by the IEI (India), Maharashtra State Centre and Pune Local Centre, on 6/01/2024.
- ❖ Mr C R Yeole attended Two Days Workshop on Mentoring during 21.03.2024 to 22.03.2024 organized at AISSMS COE
- ❖ Mrs. S A Chavan attended One day work shop on Patent organized by SPPU
- ❖ Mr. P R Modak and Dr V N Patil attended STC on Challenges in 'Waste water, air and land pollution in India' organized by NIT Jalandhar, Panjab, during 12.01.2024 to 16.01.2024
- ❖ Mr. C S Misal successfully completed 4-week NPTEL course on 'Effective Engineering Teaching In Practice' with Elite grade during January –March 2024

STTPs/Workshops/FDPs attended by Faculty

- ❖ Mrs K N Kulkarni, S P Khedekar and Dr. S S Bhuinyan successfully completed 4-week NPTEL course on 'Effective Engineering Teaching In Practice' during January –March 2024
- ❖ Dr V N Patil successfully completed NPTEL Course on Design Technology Innovation with Elite certification during January-March 2024
- ❖ Dr R D Nalawade successfully completed NPTEL Course on Expansive Soil with Elite certification during January-March 2024

Seminars/Webinars attended by Faculty

- ❖ Dr U R Awari attended webinar on 'Innovative construction techniques in signature bridge Delhi' organized by UltraTech cement and ICI Ghaziabad centre on 06.01.2024.
- ❖ Dr U R Awari attended an Expert session on 'Emerging opportunities and challenges in valuation sector in India' organized by Institution of Engineers Pune local centre on 06.01.24.
- ❖ Mrs K N Kulkarni and S P Khedekar attended Expert Talk on "Emerging Opportunities and Challenges in Valuation Sector in India, organized by the Institution of Engineers (India), Maharashtra State Centre and Pune Local Centre, on 06.01.24.
- ❖ Mr C R Yeole attended a Seminar on Pune Vision 2025 organized by BAI Pune Centre on 10.02.24

Seminars/Webinars attended by Faculty

- ❖ Dr U R Awari attended Expert session on Climate Change on Weather Resources in India organized by Institution of Engineers (India) Pune local Centre on 20.01.2024
- ❖ Dr. S S Bhuinyan attended Health Awareness programme with Urulikanchan Nisrag Upchar UVAAN Foundation Unimax India on 27.02.2024
- ❖ Dr U R Awari attended 71th Tech Talk on protection from lightning organised by Teck Forum in association with Institution of Engineers Pune local centre on 04.02.2024
- ❖ Dr S R Parekar attended a Seminar on Improving 21st Century Teaching Skills using Technological tools
- ❖ Mr C R Yeole attended Internship Valedictory Function at D Y Patil COE Pimpri on 26.02.2024
- ❖ Dr. S S Bhuinyan attended BYST Workshop from 21.03.2024 to 22.03.2024
- ❖ Dr. S S Bhuinyan, Mrs K N Kulkarni, S P Khedekar and Dr R D Nalawade completed Industrial Training on Virtual Tile Applicator with Ultratech Cement Ltd at Centre of Excellence Lab on 22.03.2024
- ❖ Dr U R Awari attended session on Human existence and water sustainability at Institution of Engineers Pune local centre on 28.03.2024
- ❖ Dr U R Awari attended All India seminar on Green technology and Sustainable Development organized by Institution of Engineers Pune local centre on 30.03.2024 to 31.03.2024
- ❖ Dr U R Awari attended webinar on circular economy and waste management organised by UltraTeck cement and ICI Gaziabadcentre on 06.04.2024
- ❖ Dr U R Awari attended Inaugural session of Pune Auto Expo on 18.04.2024.

Seminars/Webinars attended by Faculty

- ❖ Mr. P R Modak attended Seminar on Symbol of Knowledge by Mr. Jagdish Ohol at AISSMS COE on 15.04.2024
- ❖ Dr U R Awari attended webinar on learning from failure of buildings and bridges organised by UltraTeck Cement and ICI Gaziabad Centre on 03.02.2024.
- ❖ Dr U R Awari attended session for newly elected chairman and Secretary at Engineering Staff College of India Hyderabad organized by Institution of Engineers (India) on 25.02.2024
- ❖ Dr U R Awari attended webinar on Good Engineering practices for durability of concrete structure organized by UltraTeck Cement Ltd and ICI Ghaziabad centre on 09.03.2024

Department Activities

- ❖ Dr. S S Bhuinyan coordinated with BE Civil Students for Guideline session for Campus recruitment test organized by E & TC department in association with TIME, on 09.01.2024 and 11.01.2024
- ❖ Dr. G.C. Chikute organized site visit at Generator room construction work for BE Civil students at AISSMS RTO Campus on 07.03.2024
- ❖ Dr M V Waghmare and Dr. U R Awari organized Site visit for ME Students at Palkhi Mahamarg, Phaltan on 22.03.2024.
- ❖ Dr S K Nalawade organized Expert lecture on Construction Survey by Mr Kiran Nalawade for SE Civil students on 20.04.2024
- ❖ Site visit for Survey Road Project was organized at ABMSP's APCOER, Parvati Hills on 04.03.2024 to 05.03.2024
- ❖ Dr P B Nangare organized Site Visit held at Mengjai Percolation Tank, Kalyan Village for Execution of work by conducting survey with ETS on 13.03.2024.

Department Activities

- ❖ Dr P B Nangare and Dr. S S Bhuinyan organized Site Visit of BE Civil students at Koyna Dam for DHS course during 04.04.2024 and 05.04.2024.
- ❖ Dr P B Nangare and S P Khedekar organized Poster Competition for BE Civil students on 15.04.2024
- ❖ Department of Civil Engineering provided Guidance to Faculties of MGM COE Nanded for NBA Work on 23.04.2024
- ❖ Mrs M S chiwande and Mr U J Jadhav organized Site visit at Constrologix for SE Civil students for CT course on 24.04.2024

Students Achievements

- ❖ Students of BE Civil Mr Ayush Rajput, Mr Shubham Shirgave, Mr Rutesh S. Shivsharan, presented a paper on “Application of Graphene Based Concreting in Developing Sustainable Road Infrastructure “under the guidance of Dr. V N Patil, in IIT conference, Aakaar-2024
- ❖ Students of BE Civil-A, Mr. Hariom Birajdar and Ms. Sneha Bhalshankar presented a paper “RIVER BASIN MANAGEMENT WITH RSGIS” under the guidance of Dr. V N Patil, in the Conference, All India Seminar on Green Technology for Sustainable Development organized by The Institution Of Engineers (INDIA) on 30.03.2024 to 31.03.2024.
- ❖ Student of BE Civil Unmesh Tayade, Shrawani Suryavanshi, Shreya Yadav, Sakshi Akhade, Trupti Kolte, etc. presented SIX Papers in International Symposium on Sustainable Waste Management (ISSWM-2023) 22nd – 24th September 2023 Sr. No 37,41,42,46,47,48 organized by International Symposium on Sustainable Waste Management (ISSWM-2023) 22nd – 24th September 2023 ISBN: 978-93-340-1478-5
- ❖ Mr Makrand Mali of BE Civil B won First prize at APCOER in Green Concrete competition on 04.04.2024 jointly organized MSBTE, ICI, J Kumar and B G Shirke Constructions PVT Ltd

Glimpse of Departmental Activities



Expert lecture on Construction Survey for SE Civil students by Mr. Kiran Nalawade organised on 20.04.24



Site visit for SE Civil students at Survey of India organised on 28.02.24



Site visit at Constrologix for SE Civil students for CT course organised on 24.04.2024



Expert Talk on 'Different Admixtures and Water Prooferers' by Mr. Shailendra Patil organised on 26.04.2024



Topographical survey at Kalyan Percolation Tank under Unnat Bharat Abhiyan on 09.03.24



Educational visit for Survey Road Project at APCOER, Parvati hills on 04.03.2024



Inaugural Ceremony of Center of Excellence Lab on 16.02.2024



Site Visit of BE Civil students at Koyna Dam for DHS course on 04.04.2024 and 05.04.2024