



# 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 I)

Principal: Dr.D.S.Bormane

Head of Dept.: Dr. P.B. Nangare

## Editorial Board

Editors:

**Mr C S Misal**

Aryan Chawada [BE Civil]

Nikita Bhosale [BE Civil]

Vaishnavi Korlekar [TE Civil]

## 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.

*"The more you learn, the more you realize how much you don't know." – Albert Einstein*

### *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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# Concrete People

2023-24(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 (Mrs) V N Patil, served as Resource Person for FDP on ‘Aligning Entrepreneurship with Construction Management’ at SVERI’s College of Engineering , Pandharpur on 27.07. 23.
- ❖ Dr (Mrs) V N Patil granted Design Patent “Water Distribution Apparatus with inbuilt Flow Rate Control Mechanism”
- ❖ Dr. (Mrs) V N Patil, appointed as Evaluator in National Level Project Competition organized by AISSMS IOIT Pune on 14.07.23
- ❖ Dr (Mrs) V N Patil organised Internal Smart India Hackathon-2023 on 25.09.23, in which total 230 students with 40 teams from different branches were present for and 30 teams got nominated on SIH 2023 Portal
- ❖ Dr P B Nangare worked as an Expert for Selection Committee at Bharti Vidyapeeth Pune
- ❖ Dr G C Chikute has been selected as Mentor for DBATU Forum of Innovation, Incubation & Enterprise (DFIIE), at Dr. Babasaheb Ambedkar Technological University Lonere.
- ❖ Dr G C Chikute has been appointed as BOS Member of Civil Engineering at D Y Patil University, Ambi, Pune,
- ❖ Dr. S S Bhuinyan awarded PhD in Civil Engineering Degree from Birla Institute of Technology, Mesra, Ranchi( Jharkhand) on 05.07.23
- ❖ Mrs K N Kulkarni, Dr. S S Bhuinyan and S P Khdekar achieved Silver Elite for 8-week NPTEL FDP course on Accreditation and Outcome-Based Learning
- ❖ Dr S S Bhuinyan taken initiative to start Centre of Excellence lab With UltraTech Cement Ltd.
- ❖ Dr U R Awari invited as a Chief Guest for National level Model Exhibition at DYP College of Engineering on 03.11.23
- ❖ Dr (Mrs) V N Patil Invited as Resource person to conduct Expert Lecture on Engineering Economics and Finance Management by PVPIT, Bavdhan, Pune on 31.10.23
- ❖ Under mentorship of Dr (Mrs) V N Patil, MY INTRAPRENEUR Team won the global level competition and Dr (Mrs) V N Patil attended "Australian Eastern Standard: Global Entrepreneurs Summit and Awards Ceremony Session on 09.09.23

## *Papers Published /Presented in Journal /conferences by Faculty*

- ❖ Dr S S Bhuinyan published paper on Size Effect in Bending Stress of Composite Beam, Indian Journal of Technical education Vol. 46 Special Issue, July, 2023 pp 1-4.
- ❖ S P Khedekar published a research paper “Prediction of air quality level using sarima model in Pune city of India” in Scopus Indexed Journal, Journal of Data Acquisition and Processing.
- ❖ Dr V N Patil published a paper Flood Assessment of Western Maharashtra Region using QGIS in The Indian Journal of Technical Education, ISTER on
- ❖ Dr V N Patil published a paper on M-Sand Wash Plant QGIS in The Indian Journal of Technical Education, ISTE
- ❖ Dr. G.C.Chikute presented SIX Papers in International Symposium on Sustainable Waste Management (ISSWM-2023) 22nd – 24th September 2023 SR. NO 37,41,42,46,47,48 ISBN: 978-93-340-1478-5

## *Webinars/Expert Talks organized by Faculty*

- ❖ K N Kulkarni and S P Khedekar organized Expert lecture on "Opportunities in Urban Planning and particularly in the Environment Sector" by Er. Alok Gogate, founder and Director, CEO at Kushagra Innovations Foundation on 16.10.23
- ❖ Dr S S Bhuinyan and S P Khedekar organized Expert lecture on “Career Guidance and Preparation for Competitive Exams” by Mr. Mahesh Janjire, Assistant Commissioner of Police on 04.08.23
- ❖ Dr R D Nalawade worked as Organizing Committee Member of MAHAFEST-2023, National level event of IGS Maharashtra at MIT Pune during 12.09.23 to 13.09.23
- ❖ Dr S S Bhuinyan organized a session with alumni -Maithali Deshmukh and Pranav Jadhav for Current B.E. Students about preparation for aptitude and Interview at UltraTech Cement Pvt. Ltd
- ❖ Dr (Mrs) V N Patil and C R Yeole organized webinar on ‘Delivering construction projects profitably is a challenge’ on 19.08.23 by Ms. Tasneem Chhawniwala, Regional Sales Manager, INDIA Vplan Inc. Canada

## *Webinars/Expert Talks organized by Faculty*

- ❖ Dr R D Nalawade and M S Chiwande worked as Organizing committee member in AVISHKAR-2023
- ❖ Dr (Mrs) V N Patil and Dr. A A Manchalwar organized Webinar on Intellectual Property Right And IP Management on 18.10.23

## *STTPs/Workshops/FDPs attended by Faculty*

- ❖ Dr S S Bhuinyan, K N Kulkarni and S P Khedekar attended FDP on Low-cost Housing, organized by NITTTR Bhopal, from 10 .07.23 to 14.07.23
- ❖ Dr S S Bhuinyan attended STTP on “Scientific Writing & Publishing” organized by the Department of Civil & Environmental Engineering, Sarala Birla University, Ranchi, Jharkhand during 31.07.23 to 04.08.23
- ❖ Dr S S Bhuinyan attended a 2-day workshop on ‘Hydrological Extremes: Implications of Climate Change’ organized by the Department of Civil Engineering In association with ISTE & IIC during 18.12.23 to 19.12.23
- ❖ S P Khedekar attended AICTE-ISTE approved one week ATTP on "Advancements and Application of Artificial Intelligence and Machine Learning" organized by Smt.Kashibai Navale College of Engineering from 04.09.23 to 08.09.23
- ❖ S P Khedekar attended One Week FDP on Air, Water Pollution and Health organized by NITTTR, Kolkata from 31.07.23 to 04.08.23
- ❖ S P Khedekar participated in the NPTEL E-Awareness workshop on 18.08.23
- ❖ Dr S S Bhuinyan attended two-days online training Course on “Hydraulic and Mathematical Modelling of Spillway and other hydraulic Structures" organized by CWPRS, Pune during 19.07.23 to 20.07.23
- ❖ C S Misal completed a certification course on Artificial Intelligence organized by Infosys Limited on 20.07.23
- ❖ C S Misal completed an online non-credit 6-weeks course ‘Miracles of Human Language: An Introduction to Linguistics’ authorized by Universities Leiden and Meertens Institute (KNAW) and offered through Coursera on 08.08.23
- ❖ Dr S S Bhuinyan attended STTP on "Scientific Writing and Publishing" from 31.07.23 to 04.08.23.
- ❖ Mrs K N Kulkarni, S P Khedekar and Dr S S Bhuinyan attended NPTEL Awareness E-workshop organized by GH Rasoni College of Engineering & Management, Pune on 18.08.23

## *STTPs/ Workshops/ FDPs attended by Faculty*

- ❖ C R Yeole attended FDP on "Applications of Q-GIS in Civil Engineering" during 18.07.23 to 22.07.23
- ❖ K D Kashid attended One week of Virtual National Level FDP on "CLOUD INFRASTRUCTURE (AWS) on 01.09.23
- ❖ Dr S S Bhuinyan, K N Kulkarni, S P Khedekar attended One-week FDP under ATAL Scheme on 'Earthquake Engineering & Vibration Control' from 11.12.23 to 16.12.23
- ❖ Dr P B Nangare and Dr S S Bhuinyan attended 2-days workshop on 'Hydrological Extremes: Implications of climatic change' organized by PCCOE Pune, during 18.12.23 to 19.12.23
- ❖ Dr S D Nagrale and Dr G C Chikute attended one week STTP on "AIR, WATER POLLUTION AND HEALTH" organized by NITTTR Kolkata during 31.07.23 to 04.08.23

## *Seminars/ Webinars attended by Faculty*

- ❖ Dr U R Awari attended webinar on Artificial Intelligence and Future Engineering by Dr. Deepak Shikarpur organized by IEI (India) on 25.07.23
- ❖ Dr P B Nangare, Dr U R Awari, Dr R D Nalawade, Dr S D Nagrale and Mr. P R Modak attended Seminar on Climate Change & Awareness on Importance of Solar Energy on 31.08.23
- ❖ Dr. S S Bhuinyan attended National TPO Conclave-2024 by Capable& FTPO on 26.08.23
- ❖ Dr U R Awari attended webinar on sustainability and practices- A timeline requirements of the constitution industry organized by Qcrete Ready-mix India Pvt Ltd and ICI Cochin centre on 07.09.23
- ❖ Dr P B Nangare, Dr S D Nagrale, Mrs K N Kulkarni, Dr S S Bhuinyan, S P Khedekar and C S Misal attended Expert Lecture on 'Delivering construction projects profitably is a challenge' by Tasneem Chhawaniwala on 19.08.23

- ❖ Mrs K N Kulkarni, Ms. S P Khedekar and Mrs M S Chiwande attended seminar on "Personality Development and Menstrual hygiene" at AISSMS COE on 12.09.23
- ❖ Dr U R Awari attended webinar on Tunneling preparedness: ensuring success through compressive investigation, organized by AF Academy on 16.09.2023.
- ❖ Dr U R Awari attended special lecture on Case studies of flood damaged bridges by Vikas Ramgude, chief engineer, PWD, Maharashtra organized by Indian Institution of Bridge Engineers, Pune Center on 16.09.23
- ❖ Dr. S S Bhuinyan attended an Expert Talk on Engineering a Resilient, Future Building stronger, smarter, safer on 15.09.23
- ❖ Dr U R Awari attended webinar on Can concrete road be Green and Sustainable organized by UltraTech Cement and ICI Ghaziabad on 23.09.23
- ❖ Dr S R Parekar, Dr U R Awari, Dr.R D Nalawade, Dr. G C Chikute, Dr. M V Waghmare, Mrs. M S Chiwande attended an Expert Lecture on Constitution of India scheduled on 05.09.23
- ❖ Dr U R Awari attended Expert lecture on geophysics organized by Department of Earthquake Engineering IIT Roorkee on 04.10.23
- ❖ Mr P R Modak attended Seminar on Reliability in Geotechnical Investigation organized by IE(I) PLC on 05.10.23
- ❖ Dr U R Awari attended 54th Valuer's Day Celebration organized by Institution of Valuers on 07.10.23
- ❖ Dr R D Nalawade, Mr. P R Modak, Ms P R Satarkar, Dr. M V Waghmare and Mrs M S Chiwande attended Session on IPR and IP management organized by Innovation Cell on 18.10.23.
- ❖ Dr U R Awari attended webinar on Revised seismic zone map of India organized by Indian society of earthquake technology Pune local chapter on 21.10.23
- ❖ Mrs S A Chavan attended webinar on IEEE journal organized by AISSMSCOE Library on 02.11.23



## *Seminars/Webinars attended by Faculty*

- ❖ Dr U R Awari attended webinar on Special Concrete and Impact on Sustainability, organized by UltraTech Cement and ICI Gaziabad Centre on 05.11.23
- ❖ Dr U R Awari attended webinar on Navigating in to IS 1893: 2016 and latest draft standard IS 1893:2023- understanding their impact on structural behaviour organized by Midas R & D on 21.11.23
- ❖ Dr S S Bhuinyan and Ms. S P Khedekar attended TFX-2023 Conference, during 29.11.23 to 01.12.23
- ❖ Dr U R Awari attended webinar on Cathodic Protection system for enhancing durability and service life of RC structures organized by UltraTech cement Ltd and ICI Ghaziabad centre on 02.12.23.
- ❖ Dr S S Bhuinyan attended Webinar on "Latest Developments in Design of Post-Installed Rebar" on 28.12.23

## *Department Activities*

- ❖ Dr P B Nangare Ms P R Satarkar Organized an expert Lecture on Constitution of India scheduled on 05.09.23
- ❖ Site visit for SE Civil students at Pune Metro for BTAP course organized on 25.08.2023.
- ❖ Site visit for SE Civil students at College of Military Engineering for BTAP course organized on 08.09.2023.
- ❖ Site Visit for BE Civil students for APC course organized at Sugar Factory 24.10.23
- ❖ Site visit for TE Civil students at B. G. Shirke Construction Technology Pvt Ltd, for DSS course organized on 04.10.23
- ❖ Site Visit for TE Civil students at Varasgaon Dam for HWRE organized on 25.10.23
- ❖ Site visit for SE Civil students for BTAP course at Construction site at Banner on 24.11.2023
- ❖ Site visit for BE Civil students at PMC Hot Mix Plant Yerwada, Pune for Transportation Engineering course organized on 03.11.23

## Department Activities

- ❖ Site visit for TE Civil students for Construction Management course organized at Surabhi Constructions, Karve Road on 02.11.23
- ❖ Dr M V Waghmare and Dr S R Parekar organized One-week FDP under ATAL Scheme on 'Earthquake Engineering & Vibration Control' from 11.12.23 to 16.12.23

## Students Achievements

- ❖ Student of BE Civil Ms. Shreya Yadav presented paper on “I-SAND : An Environmental friendly sand used in reinforced cement concrete construction” in International Symposium on Sustainable Waste Management-2023
- ❖ Student of SE Civil Ms. Apurva Murkute achieved Excellent Performance certificate in Wadgaon Sheri football league tournament 2023
- ❖ Student of BE Civil Mr. Soham Surve won the Inter collegiate Powerlifting tournament
- ❖ Mr. Aditya Phule and Team won 1st prize in Interdepartmental Cricket Tournament 23-24
- ❖ Mr. Abhay Mane and Team won 2nd prize in Interdepartmental Holley ball Tournament 23-24
- ❖ Student of BE Civil Mr. Soham Joshi won the 1<sup>st</sup> prize in Civispark - Building Buddy competition.
- ❖ Student of BE Civil Ms. Janhavi Tirmake achieved Grade A (AAA) in B-Certificate Examination Ministry of Defense, Government of India 2023
- ❖ Mr. Prathamesh Kadam and Team won Inter Departmental Kabaddi tournament
- ❖ Mr. Himanshu Soni and Mr. Aryan Tilekar won PBL model competition and Avishkar competition at College level
- ❖ Students of Batch 2022-23, Akshita Patil (Rank 5), Kalpesh Patil (Rank 6), Prasad Adhav (Rank 9) secured ranks in SPPU Final Year Examination 2022-23



## Glimpse of Departmental Activities



Site visit organized for SE Civil students at Pune Metro on 25.08.23



Site visit organized for SE Civil students at College of Military Engineering on 08.09.23.



❖ Department of Civil Engineering organized One-week FDP under ATAL Scheme on 'Earthquake Engineering & Vibration Control' during 11.12.23 to 16.12.23



❖ Educational visit organized for SE Civil students at MERI, Nashik on 08.09.23.