



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

2022-23 (Term II)

Principal: Dr.D.S.Bormane

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

Editorial Board

Editors:

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Our Inspiration

**Shri Shahu
Chhatrapati Maharaj**

President, AISSMS



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www.aissmscoe.com

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.

"Education is the most powerful weapon which you can use to change the world."

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.



"Building is not just about bricks and mortar.

It's about creating places where people can flourish."



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2022-2023 (Term II)

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

- ❖ Research proposal titled "Augmentation in gabion retaining wall using recycled self interlocking concrete blocks for landslide mitigation" (File Number: CRG/2023/005932), submitted by **Dr. Ganesh C. Chikute** (Principal Investigator), **Dr. P.B.Nangare**, **Dr. D.V.Wadkar**, **Dr. Mrs. V.N. Patil** and **Mrs. S.A.Chavan** (Co- Investigators), of cost **61.82 Lacs**, have got provisional approval from **Science and Engineering Research Board** (Statutory Body Established Through an Act of Parliament: SERB Act 2008)Department of Science and Technology, Government of India.
- ❖ Research proposal titled "Hydraulic Performance of Different Shaped Ski-jump Bucket energy dissipator" (File Number: CRG/2023/008747), submitted by **Dr. V S Chavhan** (Principal Investigator), of cost 60 Lakhs, have got provisional approval from **Science and Engineering Research Board** (Statutory Body Established Through an Act of Parliament: SERB Act 2008)Department of Science and Technology, Government of India.
- ❖ Dr.(Mrs) V N Patil honored as member of prestigious "Confederation of Elite Academicians of IICDC" for outstanding contributions and stellar commitment to inspiring Engineering students to innovate and create ground breaking solutions
- ❖ Under the mentorship of Dr. (Mrs) V N Patil, Trash-to-Cash startup have been rewarded working capital from Navayuvak Entrepreneur
- ❖ Under the mentorship of Dr. (Mrs) V N Patil TEAM won SIH 2022.
- ❖ Dr. P B Nangare worked as a JURY Member for 'Well Built Structure Competition", organized by BAI Pune.
- ❖ Dr V N Patil worked as Jury in Startup competition organized by Maharashtra Government.

Staff Achievements

- ❖ Dr U R Awari nominated as Member, BOS, Civil Engineering at Savitribai Phule Pune University
- ❖ Dr. A. A. Manchalwar successfully completed 10 hours Online Course titled "Became an Expert in Data Analytics using Microsoft Excel" offered by Let Us Do It For U (LUDIFU).
- ❖ Dr. A. A. Manchalwar successfully completed Online Course titled "Introduction to Dashboards and Power point" offered by Let Us Do It For U (LUDIFU).

Staff Achievements

- ❖ Dr. A. A. Manchalwar successfully completed 16 hours Online Course titled “Microsoft Power BI” offered by Let Us Do It For U (LUDIFU).
- ❖ Dr. A. A. Manchalwar successfully completed 06 hours Online Course titled “TABLEAU” offered by Let Us Do It For U (LUDIFU).
- ❖ Mr. C. R. Yeole successfully completed 04 Weeks Online Course titled “Understanding research Methods” and “Excel basics for Data Analytics” authorized by University of London offered by COURSERA.
- ❖ Mr. C. R. Yeole successfully completed 04 Weeks Online Course titled “Excel basics for Data Analytics” authorized by IBM Skills Network and offered by COURSERA.
- ❖ Mr. C. S. Misal appointed as Translator for Technical Book Translation in Marathi Language under UDAAN project by AICTE.
- ❖ Mr. P R Modak, Mr. C. R. Yeole successfully completed 05 hour – 12 Modules “Energy Literacy Training” by Energy Swaraj Foundation.

Papers Published /Presented in Journal /conferences by Faculty

- ❖ Mrs S A Chavan presented a paper on “A design of Eco-friendly Bitumen by adding plastic waste”, in NCIET22 proceeding
- ❖ Mr S S Mulay published paper on “Stream-flow Prediction using Data Driven Techniques for Upper Krishna Sub-basin Stations of Maharashtra”, in ICRAE
- ❖ Dr. A A Manchalwar published a research paper in Scopus journal on “Incremental dynamic analysis of building with weak storey at topas TMD” Asian Journal of Civil Engineering ISSN/ISBN No.1563-0854
- ❖ Dr. A A Manchalwar presented a research paper in international conference on “Seismic Behaviour of Regular & Vertically irregular Reinforced Concrete Building for 3D & MDOF Model’ 16thSymposium On Earthquake Engineering at IIT Roorkee
- ❖ Dr. R. D. Nalawade published a paper in Scopus on” Influence of swelling rock with drying-detting cycles on stability of canal slope, pp: 134-139.” In Yantu Gongcheng Xuebao/Chinese Journal of Geotechnical Engineering, 44(12), ISSN: 1000-4548

Students Special Achievements

- ❖ Mr Niraj Memane successfully completed NPTEL course “Structural Analysis-I” during Jan-Apr 2022.
- ❖ Mr Soham Joshi secured 1st place in the event SOFTCON (Autocad) organized by MIT WPU on 20th to 22nd April 2023.
- ❖ Ms. Ashwarya Tanpure has successfully completed the course in Design of steel & Structural Analysis from NPTEL Swayam Course
- ❖ has successfully completed the course in Design of steel & Soil Mechanics and Geotechnical Engineering from NPTEL Swayam Course
- ❖ Mr Panpatkar Vaibhav, Mr Shubham Sagar Shirgave, Mr. Atharv Patil and Ms. Shreya Sanjeev Yadav has successfully completed the course in Design of steel from NPTEL Swayam Course
- ❖ Mr. Chinmay Chite, has completed the training program of Staad Pro Training of 4 weeks.
- ❖ Ms. Sakshi Kulkarni has successfully completed the course in Fluid Mechanics & Soil Mechanics and Geotechnical Engineering from NPTEL Swayam Course
- ❖ A Project group of Ms. Naha Pawar, Ishani Toradmal, Aayan Tamboli, Vinay Gupta got sponsorship of CWPRS Kadakwasala Pune.

Department Activities

- ❖ Department of Civil Engineering organized SPPU sponsored Two days National level workshop on Implementation of NEP 2020 Alumni Connect during 23.02.2023 to 24.02.2023.
- ❖ Expert lecture organized on "Life and Times of Civil Engineers" by Er. Anil Attavar under IEI students Chapter on 30.01.2023
- ❖ Expert talk organized under Training and Placement cell on “Digitalisation in Construction” by Er. Rohit Koul and Er. Aniket Nampalliwar on 16.03.2023.
- ❖ Expert talk by Dr Kulkarni Vihangraj was organized on 17.02.2023
- ❖ Educational visit organized at Naidu Sewage Treatment Plant, Pune for TE Civil Students on 17.04.2023 & 18.04.2023
- ❖ Survey project at Bhilarewadi, Katraj, Pune was organized SE Civil Students on 28.04.2023
- ❖ Educational visit organized at Nero Devdhar Dam, Dist.Pune for BE Civil Students on 12.05.2023



Many many Congratulations to **Pranav Jadhav**, Komal Gadekar, Snehal Kautkar and Guide Dr. G. C. Chikute , won first prize at college level Avishkar 22-23 and shortlisted for University level.



11:07



Dr. V. N. Patil delivered a Seminar on “Intellectual Property Rights” under IGS Student Chapter.

Pranav Jadhav, Snehal Kautkar and Komal Gadekar won 1st prize at college level Avishkar 2022-23 under the guidance of Dr G C Chikute



Dr. P. B. Nangare, felicitating Speaker Er. Anil Attavar for expert talk on “Life and Times of civil Engineers” followed Interaction with Students and Faculties dated 30.01.23 under IEI Student Chapter



Dr. P. B. Nangare, felicitating Speakers Er. Rohit Koul, Er. Aniket Nampalliwar for expert talk on “Digitalization in Construction” followed with Interaction with Students and Faculties dated 16.03.23 under Training & Placement Cell



Glimpses of SPPU sponsored Two days National level workshop on “Implementation of NEP 2020 Alumni Connect” organized by Department of Civil Engineering during 23.02.2023 and 24.02.2023.