



Kharghar, Navi Mumbai.
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DEPARTMENT OF CIVIL ENGINEERING

Newsletter

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Editorial Committee

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Nandini Gaje



From the Desk of HOD



It is with great pleasure and enthusiasm that I present to you the latest edition of our Civil Engineering Department newsletter. The past semester has been a remarkable chapter in our journey of growth and progress, marked by the relentless efforts of our students and faculty to elevate the standards of academic and professional excellence.

Our focus on practical learning and innovation continues to shape our students into future-ready professionals equipped to meet the challenges of the dynamic civil engineering world.

As we continue to progress, I urge all members of the department to embrace this academic endeavor, pursue excellence, and contribute to the ever-evolving field of civil engineering.

Let us work together to build a future that embodies resilience, sustainability, and progress.

Vision

To achieve excellence in civil engineering by providing quality education through research and entrepreneurship to meet industry and societal needs

Mission

M1. To provide theoretical and practical knowledge through quality teaching learning for developing competent civil engineer.

M2. To create a platform for students, fostering the exchange of ideas in research, innovation, and entrepreneurship through industry institute interactions.

M3. To promote holistic development of students by enhancing their communication, teamwork and leadership skills, upholding moral and ethical values.

Program Educational Objectives

To embed a strong foundation of Civil Engineering fundamentals to identify, solve, analyze and design real-time engineering problem as a professional or an entrepreneur for the benefit of the society.

To motivate and prepare students for lifelong learning and research to manifest global competitiveness.

To equip students with communication teamwork, and leadership skills to accept challenges in all facets of life ethically.

Program Outcomes

At the end of the program a student will be able:

- Apply knowledge of mathematics, science and engineering fundamentals to solve complex civil engineering problems.
- Identify, formulate and analyze civil engineering problems and derive conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- Investigate complex civil engineering problems and find appropriate solution leading to valid conclusions.
- Design a civil engineering system, component or process to meet specified needs with appropriate attention to health, safety, standards, environmental and societal considerations.
- Create, select and apply appropriate techniques, resources and advanced engineering and software tools necessary to analyze and design civil engineering problems.
- Understand the impact of Civil engineering solutions on society and Environment for sustainable development.
- Understand societal, health, safety, cultural and legal issues and responsibilities relevant to Engineering profession.
- Apply professional ethics, accountability and equity in engineering profession.
- Work effectively as a member and leader in multidisciplinary teams for a common goal.
- Communicate effectively within a profession and society at large.
- Appropriately incorporate principles of

management and finance to one's own work.

Identify educational needs and engage in lifelong learning in a changing world of technology.

Program Specific Outcomes

- Identify, understand, formulate and analyze complex engineering problems in Civil Engineering such as Structural, Environmental and Water Resources Engineering.
- Plan Design and Execute efficient safe, sustainable and cost-effective high-rise structures, bridges, expressways, offshore structures and Dams using modern construction tools and techniques ethically.

Poster-Making Competition- 28/8/2024

CESA from Saraswati College of Engineering in association with Institution's Innovation Council has successfully organized a poster-making competition aimed at fostering awareness and creativity among school students in the areas of innovation and entrepreneurship. The themes for the competition were "Innovation in Solid Waste Management" and "Disaster Management During Flooding." The event sought to engage young minds in thinking critically about pressing environmental challenges and to inspire them to propose innovative solutions.

The competition saw enthusiastic

participation from various schools across the region. In total, 54 students from different 10 schools took part in the event, showcasing their creativity and understanding of the themes.

ThinkTank Ideathon - Mentoring Event

Department has successfully conducted a mentoring event named ThinkTank Ideathon from 23rd to 28th August 2024 to promote innovation and entrepreneurship among our students. 30 students from our Dept. participated in the event.

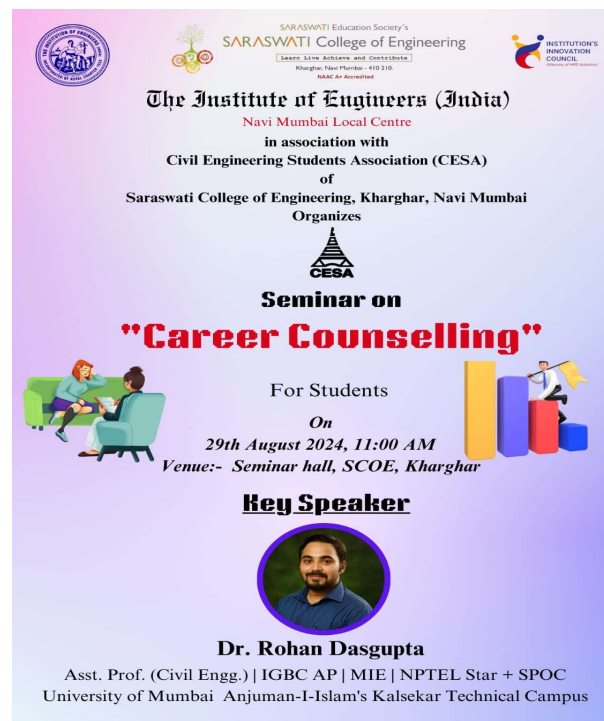


The poster for the ThinkTank Ideathon Mentoring Event is a dark blue and black graphic. At the top, it features logos for the Institution's Innovation Council, Saraswati College of Engineering, and CESA. The text reads: 'DEPARTMENT OF CIVIL ENGINEERING Mentoring Event thinktank IDEATHON CALLING ALL STUDENT INNOVATORS! WIN EXCITING CASH PRIZES'. Below this, it asks 'DO YOU HAVE A GAME-CHANGING BUSINESS IDEA?' and encourages participation. A 'HOW TO PARTICIPATE' section lists steps: Create a 5-Minute Presentation, Submission Deadline (22nd August 2024), and Location (Dept of Civil Engineering / Room No. 118). It also includes a QR code for registration and contact information for Prof. Manoj Pillai.

Career Counselling in Civil Engineering IEI -Student Chapter Activity Career Counselling in Civil Engineering

Student Chapter of Institution of Engineers (India) of Department of Civil Engineering (accredited by NBA), Saraswati College of Engineering (accredited by NAAC 'A+') Navi Mumbai, conducted seminar on Career Counselling for Civil Engineering Students. The Key speaker of the session

was Dr. Rohan Dasgupta, Assistant Professor Department of Civil Engineering, AI's Kalsekar Technical Campus (New Panvel).



The poster for the Career Counselling Seminar is a purple and blue graphic. It features logos for The Institute of Engineers (India), Saraswati College of Engineering, and CESA. The text reads: 'The Institute of Engineers (India) Navi Mumbai Local Centre in association with Civil Engineering Students Association (CESA) of Saraswati College of Engineering, Kharghar, Navi Mumbai Organizes Seminar on "Career Counselling" For Students On 29th August 2024, 11:00 AM Venue:- Seminar hall, SCOE, Kharghar Key Speaker Dr. Rohan Dasgupta Asst. Prof. (Civil Engg.) | IGBC AP | MIE | NPTEL Star + SPOC University of Mumbai Anjuman-I-Islam's Kalsekar Technical Campus'. It also includes an illustration of a person sitting at a desk with a laptop.

Workshop on Introduction and working of water distribution system using software technology.

IWWA student Chapter Activity

A workshop was organized by the IWWA (Indian Water Works Association) Student Chapter on 13th August 2024, at the BMC (Brihanmumbai Municipal Corporation) Planning Department located at Sandhurst Road. The event was conducted for IWWA student members, providing them with a unique opportunity to gain insights into the water management systems and the latest technologies used by the BMC.

Resource Persons: Er. Mhaskar sir, Er. Madhav sir, BMC 'B' ward office.

The students were introduced to various aspects of water management in Mumbai, with a particular focus on the city's dams and the water distribution network. Then the introduction to water supply network and dams in Mumbai was given by Mhaskar sir. The introduction to the software Water CAD and its working was explained by Madhav sir.



SARASWATI Education Society's
SARASWATI College of Engineering
Share the Vision, Achieve and Contribute
NAAC A+ Accredited
DEPARTMENT OF CIVIL ENGINEERING
(NBA Accredited)
in association with
**Student Chapter and Youth Forum for Water of
INDIAN WATER WORKS ASSOCIATION (IWWA),
MUMBAI CENTRE**



Workshop for IWWA students
Topic name: Computer application demonstration for designing of water distribution system
Date: 13/8/2024
Time: 11:00 am onwards
Venue :- BMC Office of
Ex. Eng. (P.&R) 'B' Ward office, 3rd
Floor, Near JJ Hospital, Babula Tank
Cross Road, Mumbai 400009

IGBC student Chapter Activity

Name of event - Seminar on Green Building Movement: An innovative approach for sustainable future
Date- 13/08/2024

Resource person- Mr. Bhavesh Mehta, IGBC Mumbai Chapter, Core Committee Member

The Indian Green Building Council (IGBC) Student Chapter, Department of Civil Engineering, Saraswati College Of

Engineering has organised a seminar on "Green Building Movement of India: An innovative approach for sustainable future" on 13th August 2024.

Key speaker was Mr. Bhavesh Mehta, IGBC Mumbai Chapter, Core Committee Member.

Total 58 participants (50 students and 8 faculty members) attended the Seminar.

Site visit:

Subject: SE -Geology

Location: Sector 6, Kharghar.

Date- 3/10/2024.

SE Division: A & B



Project orientation

Project orientation program is organized for BE (for the major projects) & TE for the mini projects at Department level. The objective is to help them for identification of project topics based on the trends in industry.



Parent teachers meeting

Parents and teachers' interactions for TE and BE were held on 14/10/2024, 9 am onwards. HOD, Students, parents and Class advisors were present on the occasion. Parent's suggestions were forwarded for consideration. More than 75 parents were present.



Faculty achievements

Heartily Congratulating Dr. Pooja Somani on completing her PhD. (Civil Engineering) in "Optimisation of Piped Irrigation Network Considering Heterogeneity of Command Area and Crops"

Placement Activity:

Mr. Neeraj Bagul is placed in Dr. Kelkar Designs Pvt. Limited through placement drive arranged by Civil Engg. Dept. in association with training & placement cell, SCOE.

Designation. Design Engineer
CTC: 4 LPA