

## DEPARTMENT OF CIVIL ENGINEERING

# Newsletter

*Vol. 30(July 2023 to Dec 2023)*

*NAAC & NBA Accredited*

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## From the Desk of HOD



In the dynamic realm of Civil Engineering, the past six months have been transformative for our department at Saraswati College of Engineering. We are thrilled to share the crowning achievement of receiving accreditation from the National Board of Accreditation (NBA). This milestone not only reflects our unwavering commitment to academic standards but also affirms our dedication to shaping the engineers of tomorrow.

The accreditation process has been a rigorous journey, a testament to the collective efforts of our faculty, students and administration. It serves as a validation of our pursuit of excellence in education and positions us as a beacon of quality in the field.

Continuing with our efforts for giving practical exposure to students, we were able to collaborate with UltraTech cements through Industry Connect initiative, where experts have provided talks on recent trends in Industry. Also, we had started Students chapter of Institute of Engineers, Belapur chapter, to broaden various perspectives for students and faculty members.

Together, let us continue to build a future where innovations, knowledge, and integrity coverage seamlessly in the field of Civil engineering.

### Vision

“To achieve excellence in Civil Engineering and Technology by providing quality education through research”

### Mission

M1. To create technically competent Civil Engineers to fulfill society and industry needs by providing theoretical and practical knowledge through teaching learning.

M2. To provide platform for the students to participate in research innovation and entrepreneurship.

M3. To encourage participation of students in co-curricular and extra-curricular activities to enhance their communication, teamwork and leadership skills

### 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.

## Department activities

### 1. NBA Visit

NBA committee visit was scheduled on July 21st to 23rd. Department was fully prepared to undergo the process and successfully completed the scrutiny by the visited team. On October 5th Civil Engineering Dept. got accredited for first time by the NBA committee. The accreditation is valid for 3 academic years i.e., from 2023-24 to 2025-26. It was another milestone achieved by our department as result of teamwork and dedication.

### 2. Proposals submitted by the Department.

Two Faculty Development proposals (FDP) were submitted to AICTE ATAL for funding by Dr. Saumya Singh & Dr. Raji and Prof. Pooja Somani & Prof. Pallavi Tejane. Three research proposals

were submitted by Dr. Saumya Singh, Dr. Raji and Dr. Shreedevi Lekshmi to different funding agencies.

### 3. Oath taking.

Students and faculties of the Department participated in Oath taking ceremony conducted as directed by DTE on 9<sup>th</sup> August at 10 am.



### 4. Training and placement Cell Activities

Preplacement training was conducted by the Department faculties to boost their confidence in placement drive conducted by Burns & Mc Donnell from August 14-22. Sessions were taken by Prof. Sima Singh, Prof. Ashwini Bodkhe, Prof. Roshni John, Prof. Kavita Ganorkar, Prof. Manoj S. Pillai and Prof. Yugandhara Kasture. Faculties helped the students to rejuvenate their technical knowledge in various core subjects. A total of 30 students attended the sessions during the sessions.

Various activities are being organized on and off the campus by the TPO cell regularly for current as well as passed out students.

Salary package varies from 2.4-6.78 Lakhs per annum. 32 students were placed till Dec 2023.

### 5. IGBC student chapter



IGBC student chapter Civil Engineering, Dept. SCOE celebrated ‘World Green Building Week 2023’. Faculty members and students participated in a seminar ‘A step forward for Net Zero and Decarbonisation -2050 at Auditorium, Vikhroli Godrej Campus on 14<sup>th</sup> Sept 2023. This event was organised by student chapter, Mumbai. 10 students and 2 faculty members participated in the event.



One day seminar on ‘Green building construction’ was organised by the Indian Green Building Council (IGBC) student chapter on 14<sup>th</sup> Sept to celebrate Green Building Week 2023. Key speaker for the seminar was Dr. Raji S., Professor, SCOE Kharghar. 51 students and faculty members were participated in the event.



Webinar on “Basics of Patent Drafting and Filing” Saturday, September 2

Resource person: Ms. Monika Garg.

This webinar empowered both faculty members and students, providing them with insights into the fundamental principles of patent law, basics of Patent Drafting and Filing including constructing effective claims.



## 6. IWWA student chapter activity

Name of event- National seminar on Rationales of Continuous Mode Water Supply (CMS) and Intermittent Mode Water Supply (IMS)

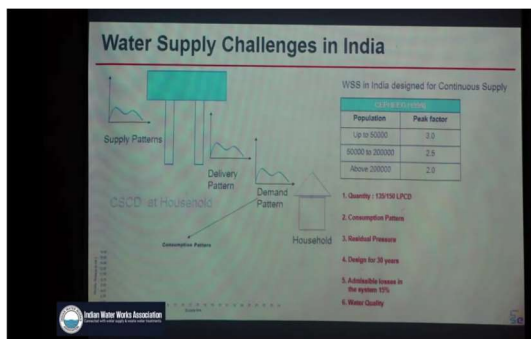
Date- 8th September 2023.

Location- All India institute of local self Govt. Andheri (West)

On 8th September 2023, IWWA has arranged National seminar on Rationales of Continuous Mode Water Supply (CMS) and Intermittent Mode Water Supply (IMS) for the IWWA registered students wherein 7 students attended the seminar. The need of alternative models for 24x7 continuous and intermittent water supply were discussed by Dr. Pradip Kalbar. The challenges faced in quality of



water were elaborately explained by Mr. Pawan Labhasetwar from NEERI, Nagpur division and Dr. Rajesh Gupta from NIT, Nagpur.



## 7. Parent teachers Meeting.

Parent and teachers interactions for TE and BE were held on 11/9/2023, 9 am onwards.

HOD, Students, parents and Class advisors were present on the occasion. Parent's suggestions were forwarded for consideration.



## 8. Remedial lecture for KT students.

Remedial lectures were conducted between Oct 4<sup>th</sup> – Oct 20<sup>th</sup> for students who failed in internal assessment held during previous semester i.e., 22-23 Odd semester. Important topics of the subject were discussed by the faculties for good understanding.

## 9. Industry institute Interaction

The Department of Civil Engineering, Saraswati College of Engineering has organized a seminar of UltraTech Cement Limited in association with Institution's Innovation Council for the TE and BE Civil Engineering students on 12<sup>th</sup> October, 2023

at the institute. The session was conducted by Avinash Jadkar. The superior and sustainable construction practices were briefly addressed. Different types of high-performance concretes production techniques, advantageous and usability was explained in the seminar. This session mainly focuses on the latest concrete which are in lieu with the industry. The practical applications of each type concrete like light weight, decorative concrete etc were discussed and the students got a new insight to the actual industry practices. - Nearly 200 students from the third and final year of B E Civil Engineering has been actively participated.



Name of event- Industry Connect with Ultra Tech Cements Limited  
 Date- 12th Sept,2023  
 Location- SCOE auditorium  
 Organized by- Civil Engineering Department

The Department of Civil Engineering, Saraswati College of Engineering has organized an induction seminar of UltraTech Cement Limited in association with Institution's Innovation Council for the for the Undergraduate **BE Civil Engineering students** on Monday, 12 th September, 2023 at the institute. The sessions were conducted by Ms. Poorvi Bharati (HR Manager), Mr. Avinash Jadkar (RHR), Mr Rohit Pandya (RTH), Pallavi Matre (Territory Technical Service Manger).



## 10. Site Visit / Projects

Location; Wastewater Treatment Plant, Nerul Date: 20/10/23

Third year students civil engineering students visited Wastewater treatment plant for TP for better understanding Environmental Engineering theory. Plant in charge explained the various components of sewage treatment plant such as aeration, ASP, Grid chamber, Mechanical screens, disinfection processes and laboratory for the testing of influent and effluent.



## Traffic volume study

The traffic volume study was conducted on 13<sup>th</sup> October 2023, Friday to assess the traffic patterns and volumes at Sion-Panvel Highway NH-4, with the primary goal of understanding the current state of traffic in the area. This report presents the findings of the study, which included data collection and analysis.

Students were able to understand the importance of traffic volume study and the significance of it. Students were said to determine whether the road taken under study is congested or not. Students were able to analyse the traffic.

