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## DEPARTMENT OF CIVIL ENGINEERING

# Newsletter

*Vol. 29(Jan2023 to Jun 2023)*

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## EDITOR

**PROF. POOJA D. SOMANI (HOD)**

**PROF. RACHEL GITTY**

## From the Desk of HOD



We are delighted to present Newsletter for even semester of academic year 2022- 2023. Even semester 2022-23 marks Saraswati College of Engineering, Kharghar with NAAC A+ grade. The current newsletter would highlight various activities and achievements of students and faculty in academics and extracurricular activities. Department is always motivated to work for holistic development of students. Various seminars, training programs are arranged for augmenting students' knowledge. In order to give practical approach to students, efforts are made to provide students with internship opportunities. More than 100 students got summer internship in various government bodies as CIDCO, NMMC, PMC etc.

### Vision

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

### Mission

‘To create technically competent Civil Engineering graduates with highest ethics’.

### 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

### Department Events

From Jan - Jun 2023

1. Name of event- Seminar in IGBC guidelines for Green Campus Certification.

Date- 15-Feb-2023.

Location-Seminar Hall, SCOE

Organized by-IGBC student chapter, Dept. of civil Engineering, SCOE, Kharghar.

Resource person: Mr. Bhavesh Mehta



2. Name of event- Seminar on Repairs, Rehabilitation and Retrofitting of structures.

Date- 29-Mar-2023

Location-Seminar Hall, SCOE

Organized by- Department of Civil Engineering

Guest lecture was conducted for final year students for the subject Repairs, Rehabilitation and Retrofitting of Structures on 29-March2023



at 11:00 am. The lecture was taken by Mr. Sandeep Sakpal, Mr. Kailas, Vhatkar & Mr. Siddhant Shamkuwar of Ellora consultants Thane.

Mr. Kailas Vhatkar explained about the rehabilitation and retrofitting of structures. He explained in detail how the various rehabilitation methods are conducted in site, such as RCC Jacketing, Fibre wrap technique, plate bonding etc.

Mr. Sandeep Sakpal briefly explained about condition survey and how the condition survey is conducted. He explained the various NDT test conducted in site for condition survey.

The lecture conducted was immensely helped the students to understand the practical applicability of the various methods learned through the subject and how the actual process is done.

**3. Various placement drives** (on and off the campus) were arranged by Civil Engg Dept. in association with training & placement cell, SCOE. Summary of students selected, name of the company, designation and the packages offered to them are given in Table below.

SR NO	NAME OF STUDENT	NAME OF COMPANY	DESIGNATION	PACKAGE IN LACK/ANNUUM
1	Jayesh Bhanudas Khairnar	Arcadis Consulting India Pvt Ltd	Trainee BIM Modeller	5
2	Mrunmayi Pundalik Shingade	Arcadis Consulting India Pvt Ltd	Trainee BIM Modeller	5
3	Pranay Pravin Chavan	Arcadis Consulting India Pvt Ltd	Trainee BIM Modeller	5
4	Sahil Sandesh Parab	Arcadis Consulting India Pvt Ltd	Trainee BIM Modeller	5
5	Simran Bhaskar Kodare	Arcadis Consulting India Pvt Ltd	Trainee BIM Modeller	5
6	Akanksha Sudhakar Rodge	CCRT	Intern	0.91
7	Pratik Ganpat Kajwe	CCRT	Intern	0.91
8	Tejal Ananta Chaudhari	CCRT	Intern	0.91
9	Vandit Prakash Kubal	CCRT	Intern	0.91
10	Nikhil Bharat Kamble	Nilkamal Storage Systems Pvt Ltd	Sr-Officer - Structural Design	4.5
11	Pratiksha Ramesh Rathod	Nilkamal Storage Systems Pvt Ltd	Sr-Officer - Structural Design	4.5
12	Shruti Bhola Bhende	Nilkamal Storage Systems Pvt Ltd	Sr-Officer - Structural Design	4.5
13	Bhavesb Baswaraj Koti	Jaro education	Graduate Engineer Trainee	6.78
14	Vrushali Rajendra Salokhe	Prism Johnson Limited RMC	Graduate Engineer Trainee	3.75
15	Siddhi Khanvilkar,	Prism Johnson Limited RMC	Graduate Engineer Trainee	3.75
16	Kaustubh Koli	Prism Johnson Limited RMC	Graduate Engineer Trainee	3.75
17	Akash Anandrao Kokare	PropEdge Valuation Pvt Ltd	Technical Officer	2.4
18	Omkar Pradip Khanvilkar	PropEdge Valuation Pvt Ltd	Technical Officer	2.4



19	Gayatrika Agrawat	Friulsider India	Specification Engineer	1.8
20	Saurabh Gisare	Friulsider India	Specification Engineer	1.8
21	Pratik Ashok Awale	Surmount Energy Solutions	Assistant Project Co-ordinator	2.544
22	Aditi Gautam Jadhav	Surmount Energy Solutions	Assistant Project Co-ordinator	2.544
23	Soham Bandagale	Surmount Energy Solutions	Assistant Project Co-ordinator	2.544

### Site visits:

#### 1. Subject: BMCT (SEM IV)

Location: K. D. Patil RMC plant, Turbhe

Date- 28, 29 and 31<sup>st</sup> March 2023.

Number of students: 140

Outcome: Students came to know things practically though interaction and working methods.



#### 2. Subject: EE (SEM VI)

Location: Sewage treatment plant, Seawoods, Navi Mumbai.

Date- 15<sup>th</sup> & 16<sup>th</sup> March 2023.

Number of students: 216

Outcome: Students were able to understand various treatment units of STP and its working process.



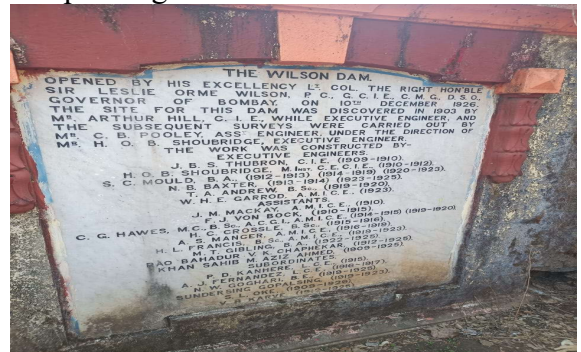
#### 3. Subject: WRE (SEM VI)

Location: Bhandardara Dam, Nashik,

Date- 9<sup>th</sup> & 10<sup>th</sup> March 2023.

Number of students: 134

Outcome: Students gained knowledge about gravity and masonry dam, its component parts and power generation.





4. Survey Camp:  
 Subject: SUR (SEM IV)  
 Location: Monteria Resort, Khopoli,  
 Date- 20,21,27,28 and 27<sup>th</sup> March 2023.  
 Number of students: 185  
 Outcome: Students were able to perform profile  
 levelling, radial and block contouring.



**Farewell:** On behalf of Civil Engineering Department, CESA organized a farewell for the final year students on April 20<sup>th</sup> 2023. Function started at 5 pm and ended with dinner. Best outgoing student prize awarded to Mr. Rushikesh Deshmukh. All faculty members were also present to grace the function.



Convocation ceremony: Convocation ceremony was organized on 29<sup>th</sup> March for 2022 passed out batch. Total 184 civil engineering graduates were present to receive the degree certificates.



**Project competition-‘Avishkar’:** A project competition is held at college level to portrait the research activities among the students. Projects from outside college also participated in the event.

All BE project groups participated in the event. Project titled “Smart irrigation using IOT” guided by Prof. Rachel Gitty bagged first prize from Civil Engineering Dept. and received a prize money of Rs. 7000/- for their work.

