

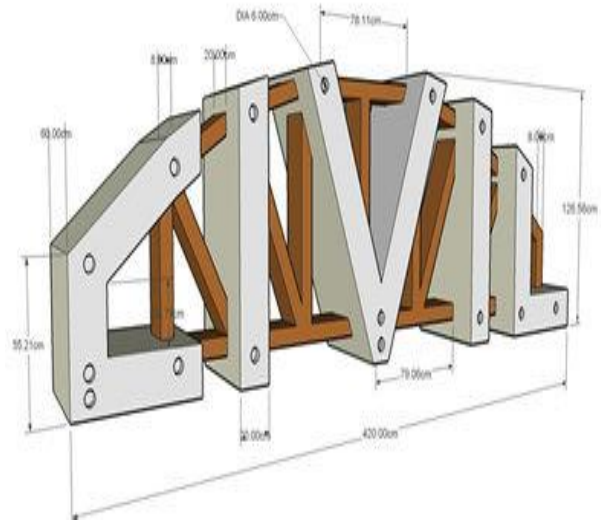
DEPARTMENT OF CIVIL ENGINEERING



VOL-17 (JAN TO JUN 2017)

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EDITOR



PROF. ROSHNI JOHN (HOD)

PROF. VAISHALI KISHAN

A warm welcome to the 17th issue of '**Department of Civil Engineering**' newsletter for the academic year 2016-17. It has been yet another remarkable semester, with our students putting forth efforts and doing impressively well in academics and extracurricular and our faculties continuing to offer guidance and being a fabulous mentor.

I also take this opportunity to thank our teachers and staff for your active co-operation and continued support, enthusiasm, passion and dedication. Also, many thanks to our dear students for their kind attention, participation and for a great year!

This newsletter attempts to showcase a glimpse of the myriad activities happening in our department.

We are thankful to SCOE for its constant support and valuable inputs. We look forward for your support and feedbacks that will help us to improve.

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DEPARTMENT VISION

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

DEPARTMENT MISSION

To create technically competent Civil Engineering graduates with highest ethics.

PROGRAM EDUCATIONAL OBJECTIVES

-  To provide sound foundation in mathematical, scientific and engineering fundamentals necessary to analyze, formulate and solve engineering problems.
-  To develop core competency in students by imparting in depth theoretical and practical knowledge in civil engineering subjects.
-  To provide relevant engineering experience in designing and conducting experiments as well as analyzing the significance of the experimental data.
-  To provide training to exhibit effective interpersonal skills in teams and at work place.
-  To inculcate the habit of lifelong learning for career development through higher studies, professional development courses, industrial training etc.
-  To impart technical knowledge, ethical values for professional development of the students to solve complex problems and to work in multi disciplinary ambience, of whose solutions lead to significant societal benefits.





PROGRAM OUTCOMES

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

- ✓ To apply knowledge in mathematics, science and engineering subjects.
- ✓ To identify, formulate and solve engineering problems.
- ✓ To conduct experiments to interpret data and analyze the results.
- ✓ To design system components or processes to satisfy the needs of the society within realistic constraints such as economic, social, political, health, safety and manufacturing.
- ✓ To function on multi-disciplinary teams.
- ✓ To understand professional and ethical responsibilities.
- ✓ To communicate effectively.
- ✓ To gain knowledge to understand the impact of engineering solutions in global, environmental and societal context.
- ✓ To understand the need and engage in life-long learning process.
- ✓ To gain knowledge on contemporary issues.
- ✓ To use techniques, skills and modern engineering tools necessary for engineering practices.

FACULTY ACHIEVEMENTS

- Out of the four R&D project proposals submitted for Minor Research grants to Mumbai University under the scheme of Technology/Science, following two project proposals were approved by UOM :

AUTHOR		TOPIC
		Prof. Shilpa Kewte & Prof. Roshni John: Effect of glass powder and brick powder on compressive strength of concrete
		Prof. Pooja Somani & Prof. Rachel Gitty : Water quality analysis in storage tanks of Housing Societies

	Dr. Priyanka Jadhav was the member of Technical Committee of the 2nd <i>International Conference on Material Engineering and Smart Materials (ICMESM)</i> , held from June 23-25, 2017 in Beijing, China
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DEPARTMENT EVENTS

- **LAUNCH OF IGBC STUDENT CHAPTER**
(3rd Feb 2017)



“Indian Green Building Council (IGBC) Student Chapter was launched on 3rd Feb 2017. The Chief Guest Mr. Bhavesh Mehta, Co-Convener of IGBC Mumbai Chapter enlightened the students about the aims and objectives of student chapter and work of IGBC in other colleges. This was followed by comprehensive lectures by Mr. Sandeep Talaulicar, member core committee IGBC Mumbai Chapter, Mr. Sandeep Shikre and Ms. Priya Vakil, Director Think Phi Solutions on the topics of “Role Of IGBC in National Development”, “Power Of Design in Green Architecture” and “Innovating Rain Water Harvesting”.



CESA organized “GROOMING SUCCESSORS FOR SCALING STRUCTURES”, a model making competition for the SE and TE students.

One day before the competition Riddhi Dalvi, BE student boosted enthusiasm among the participants by sharing her experience and briefing them about model making, materials used, steps involved,



Towards the end after the Question-Answer session, the IGBC team presented launch certificate to SCOE



Types of model and calculations involved. The students actively participated and came up with innovative models, which were highly appreciated by the faculty and panel of judges.

➤ **GROOMING SUCCESSORS**
(16th Jan 2017)



➤ **PARENT TEACHER MEETING**
(11th Feb 2017)

PTM was organized for SE, TE and BE with an objective to discuss progress of student and find solutions to academic and behavioral problems.



Parents filled out feedback forms and teachers addressed parents' concerns on academics and extracurricular activities.

➤ **SITE VISIT - BHANDUP WATER TREATMENT**
(1st Mar 2017)

A site visit to Bhandup Water Treatment Plant was organized for the TE students with an objective of understanding the various procedures involved in purification of raw water.



It is a 900 MLD water treatment plant supplying water to 4000000 residents of



Mumbai under BMC and MCGM.

The site visit expert Mr. Amar Pal, briefed and showed the students how screening, coagulation, sedimentation, filtering and disinfection is done in a water treatment plant.

➤ **SITE VISIT - MIDDLE VAITARNA DAM & MODAK SAGAR DAM**
(19thFeb 2017)

A one day technical tour was organized by Mumbai centre of Indian Water Works Association to Middle Vaitarna and



Modaksagar dam. The team consisted of 17 students, COM members of IWWA, NPCIL engineers and some key members of BMC associated with water supply department.

➤ **SURVEY PROJECT**
(13th Feb – 15th Feb 2017)

A 3day survey camp, for the students of SE students, was conducted at Monteria Resort under the guidance of Prof. Rachel Gitty, Prof. Shanti Selvam and Prof. Aniket Bhagat with an aim of grooming the students with essential knowledge and exposure to real work and to encourage leadership and teamwork skills.

The students conducted theodolite survey and compass survey and prepared

topographical map of the area as per given technical specifications.



This gave students an opportunity to improve theoretical and practical knowledge in engineering surveying under actual field conditions.

➤ **POSTER COMPETITION**



A Poster Competition Avishkar 2017 was organized for the students of SE, TE and BE. This provided a forum to the students for presenting and discussing new designs, innovative ideas, alternative technologies and their findings in the field of civil engineering.

➤ **SITE VISIT TO TALOJA DUMPING YARD SITE**

(24th -25th Jan 2017)

A site visit to Taloja Dumping yard was organized for the TE students to study appropriate waste handling and disposal measures that are carried out to manage municipal solid waste of Navi Mumbai



Mr. AvinashPise, Site Engineer, gave information about the working process of the waste treatment system.

➤ **BE FAREWELL**

(4th May 2017)



CESA organized farewell for the passing out students. The best student awards were presented to DevanandNetke and Kshitija Mane for consistently being a topper and for their amazing work in literature, drama, music, NSS and Student-Council.

➤ **NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL (NAAC)**

NAAC Peer Committee comprising of Dr. D. K. Saikia ,Dr. Satish Sharma and Dr. G. Seetharaman visited SCOE. They visited all the labs of all the departments and interacted with students and staff. Assessment procedure was carried out on basis of 7 criteria namely: Curricular

aspects, Teaching, Learning and Evaluation, Research and Consultancy and extension, Infrastructure and learning resources, student support and progression, Governance, Leadership and Management, Innovations and Best practices.

The outcome of the assessment and accreditation exercise of our institution has been processed and approved by the peer committee. Our institution is now **NAAC accredited.**



STUDENT ACHIEVEMENTS



VishwasDhadambe, Prashant Ahire, SagarBhujbal, Suresh Gharat& Pritesh Dabholkar secured Third position in All-AAKAR-17' in IIT-Bombay.India Seismic Structure Competition in

VishwabhusanDabhade won bronze medal University of Mumbai Taekwondo competition in Feb 2017.

Akshay Balaji Chikalikar bagged Gold medal in Badminton in intercollegiate fest, Nakshatra



Darshan ViayDevrukhkar secured the first place in 400 meters hurdles at Mumbai University annual athletics meet and was selected for all India Inter University athletics meet.

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Darshan Vijay Devrukhkar won silver medal in 400 metres hurdles and bronze medal in 4*400 metres relay in Maharashtra Senior State meet 2017




Riddhi Dalvi, Neelam Darekar, Kiran Tayde, and Jigar Solanki secured 1st position in model making at Amity University.



TOPPERS FOR ACADEMIC YEAR 2016-17



UNDERGRADUATE LEVEL

SEM			
III	CHIKANE VISHAL (9.04)	MHASKAR PRANALI (8.43)	GAIKWAD ABHISHEK (8.07)
V	MULEY PRIYESH (9.44)	MISTRY JITESH (9.40)	PATEL RAKESH (9.00)
VII	JADAV PRITISH (9.67)	TAYADE KIRAN (9.37)	KSHIRSAGAR RUSHIKESH (9.30)



GRADUATING BATCH



GRADUATING BATCH ON TRADITIONAL DAY

