

DEPARTMENT OF CIVIL ENGINEERING

**NEWS
LETTER**

Vol-14 (December-2015)

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EDITOR

PROF. ROSHNI JOHN (HOD)



PROF. VAISHALI KISHAN

EDITORIAL

A warm welcome to the 14th issue of '**Department of Civil Engineering**' newsletter for the academic year 2014-15. 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 their hard work in providing engaging and supportive learning activities from day one. Also a big thank you to our dear students who are eager to learn and willing to put forth their best effort.

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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MISSION & VISION







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



Dr. SM Rangari, a faculty of Civil Engineering Department, has been promoted as Head of PG courses.



Prof. DM Joshi gave an expert lecture in Automobile Engg Dept. SCOE.



Prof. Harshal Deshpande bagged the Best Paper award for "*Correlation of geometry and dynamic response of self supporting circular steel stacks*" in ICAST 2015.

➤ **UGC APPROVAL**

Dr. S. Rangari, Prof. DN Joshi, Prof. Shweta Motharkar, Prof Asmita Lakhote and Prof. Vaishali Kishan, faculties of Civil Engineering Department got approved by UGC.

➤ **PAPERS PUBLISHED**

24 Paper publications were done by the faculty of Civil Engineering Department in this academic year.

➤ **MINOR RESEARCH PROPOSALS**

Five R&D project proposals were submitted to Mumbai University in June 2015

AUTHOR	TOPIC
Prof. Roshni John.	Influence of Aggregate Size and Paste Density on Hardened state Performance of pervious concrete
Prof. Shilpa Kewate	Analysis of waste glass Powder and waste Brick Powder as supplementary Cementitious Material
Prof. Pooja Somani	Assessment of Water Quality Reaching consumer end through taps connected to storage tanks
Mrs. Rachel Gitty	Viability of steel fragment as Fiber in Fiber reinforced concrete
Prof. Shanthi Selvam and Dr. Suman Rawat	Geological investigation of Malin landslide, Pune district, Maharashtra

IMPORTANT EVENTS

DEPARTMENT EVENTS

➤ SEMINAR ON CURRENT PRACTICES IN CIVIL ENGG.



A seminar on “*Current practices in Civil Engineering*” was delivered by Mr. Rao, MHADA. He gave insights on scope of latest projects and know-how’s of choosing, planning, executing, managing and documenting the final year project. The students were given an exposure about the latest trends and scope of projects and prepared them to undertake final year project with confidence.

➤ CAREER GUIDANCE



➤ An expert lecture on career guidance was organized for the BE to enable their overall development employability enhancement. The lecture was delivered by Mr. Varun Velankar. He gave insights on choosing a career, based on their ability, desire and opportunities available. He also stressed on developing communication, leadership, teamwork and management skills.

➤ **INTRODUCTION TO SOFTWARE CADD AND STAAD PRO**

(10th August 2015)



A workshop on “*Introduction to software CADD and STAAD Pro*” was organized for SE and TE students with an objective of equipping them to compete in global market.

The faculties from CADD centre explored GUI and gave tutorials specifying features and working of software. Finally mini projects were carried out by the students.

➤ **SEMINAR ON HOSPITALITY AND ETIQUETTE**

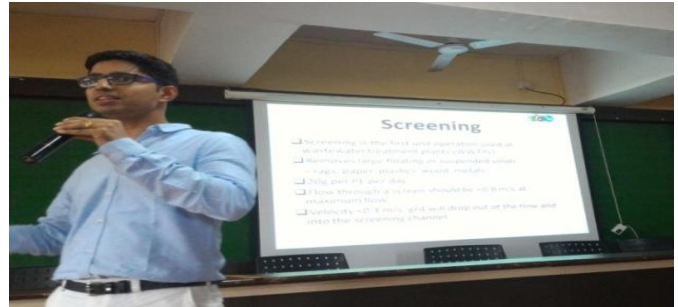
(2nd Sept 2015)

A seminar on Hospitality and Etiquette was organized for SE and TE. Mr. Yashad Kirtane from Les Roaches was the key speaker. He gave an exclusive lecture on soft skills followed by a very informative Quiz.

The students were thus acquainted with know-how’s about building better,

stronger, more successful relationships, thereby gaining the competitive edge.

➤ **EXPERT LECTURE**



Siddhav Sakhalkar, a consultant and an alumnus from our college delivered an expert lecture to BE students on “*Advances in Environmental Engineering*”. The students gained insights on significance, methods and practices of disposing Waste and Sewage.

➤ **TEACHERS DAY CELEBRATION**

(5th September 2014)



On this occasion, the students felicitated the teachers. This was followed by wonderful dance and singing performances prepared by students especially for their teachers to show their gratitude. The teachers enjoyed the show and were touched by the efforts the students had put in to make the day memorable for them.

➤ **VISIT TO HEAVY STRUCTURES LABORATORY, IIT BOMBAY**

(10th September 2015)



M.E students visited Heavy Structures Lab, IIT Bombay, where in testing on proto type structures were done. They were introduced to major equipments like Shake table, Actuators, Accelerometer, Force sensor etc.

Discussion, Debate and Extempore competitions and made it a memorable and successful event.



➤ **WORKSHOP ON FERROCEMENT WATER TANK CONSTRUCTION**

(9 Oct 2015 to 10 Oct 2015)

➤ **PARENT TEACHER MEETING**

(12th Sept 2015)



PTM was organized 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.

➤ **ENGINEERS DAY CELEBRATION**

(15th Sept 2015)

CESA organized "Olympia" on occasion of Engineers day to enhance communication skills and personality development among students. Students actively participated in Group



A workshop on "Ferro Cement Water Tank Construction" was organized for the SE, TE and BE with an objective of raising awareness about Rain Harvesting and use

of Ferro Cement in rural areas. The key speaker was Er. U. M Paranjpe from Jalvardhini Prathishtan.

He gave insights on basic techniques and methods involved in designing and casting of Ferro cement precast elements. Also hands-on training was given on Precast Ferro cement Water tank of 1500 litres capacity.

➤ **SITE VISIT TO SEWAGE TREATMENT PLANT**

(9th -10th Oct 2015)



A site visit to Sewage Treatment plant was organized for the BE students. They were introduced to the Latest C-Tech (Advanced cyclic Activated Sludge technology) process involved in treatment of wastewater. It helped the students to understand better the processes involved in treatment of wastewater by actually observing the processes that are carried out at plant.

➤ **PICNIC TO MONTERIA RESORT**

(26th Nov 2015)

Teaching and Non teaching staff had been to Monteria Resort, Khopoli, for a picnic to enhance team dynamics and reinforce relationships. Various adventure sports like high rope, sumo fight, archery and swimming pool enabled the staff to unwind from their daily work woes and

enjoy the company of their fellow employees.



➤ **ICAST 2015**

(8-9 Dec 2015)



D.M. Devaikar (Er. Dept. Of Civil Engg, I.I.T. Bombay) and Mr. Krishnakant Mane (Founder DFF) were the Chief Guests and about 200 delegates were present in the conference. 35 Papers got published in Civil Engineering. Best paper award was bagged by Ms. Pradnya Sambary for "Seismic Analysis of RC Elevated Water Tank".

STUDY TOUR TO CEMENT BLOCK INDUSTRY

(29th DEC 2015)



A Study tour to RS Green Infra India Pvt. Ltd, a cement block manufacturing industry, at Solan, Himachal Pradesh was organized for the BE students. The students were educated about the unique flexibility, structural and physical properties of Siporex and witnessed various processes carried out in the manufacture of cement blocks and also gained insights on working of advanced equipments used.

STUDY TOUR TO HYDERABAD

(24th -29th DEC 2105)



A study tour to Hyderabad was organized for the TE students with an objective of gaining insights on various infrastructures of developing India. They visited Geological Survey of India, NTR Garden, HusainSagar

Lake, Ramoji Film City, Golconda fort and Charminar in Hyderabad.

QUALITY IMPROVEMENT PROGRAM

Quality improvement program (QIP) was conducted by and for the faculty to enhance their teaching skills and to stay abreast of technology. Short presentations were given by faculties every week on Civil Engineering practices.

DATE	FACULTY	TOPIC
7/8/15	Prof. Roshni John	Result Analysis
14/8/15	Prof. Harshal Deshpande	Indian plants and herbs useful in Civil Engg.
8/9/15	Prof.UW Mate	Mumbai Floods and its causes
19/9/15	Dr. Suman Rawat	Reservoir Induced Semismicity
16/10/15	Prof. Supriya Khedkar	Laerdal Tunnel
23/10/15	Prof. Molly Mathew	Use of Geo Synthetics in Civil Engg
16/11/15	Er. Vishwanath Joshi	Sea water Intrusion, Polluting ground water Acquifiers

STUDENT ACHIEVEMENTS



- **Ajay Chaferkar** participated in National Level Karate (Jumasar) and secured *First Place* in West Bengal.
- **Sameer Dalvi** (BE) bagged *Second Prize* in University of Mumbai Yoga Competition 2015.
- **Aakash Pujari and Shubham Singh** from SE, won consolation prize in State level Indian Bridge Civil Championship (IBCC), IIT Madras.
- **Pratik Bhagat** secured first runners up in Chess competition at the event Lakshya conducted by YMT College of Management.
- **Mr. Devrukhar Darshan Vijay** was placed 2nd in 400 meters hurdles in Thane district Athletic Championship.
- **Raj Sahane, Wilfred Donakanty, Mandir Jadhav, Nikhil Wakade, Himanshu Dabak, Santhakumar Prince and Abhishek Bhat** from Civil Engg Dept participated in Mumbai University Football tournament in MIT, Pune in Sept 2015.
- **Akshay Chikhalikar** from SE Civil bagged gold medal in Badminton in Intercollegiate fest, Nakshatra.
- **Mr. Devrukhar Darshan Vijay** represented University of Mumbai at the All India Inter-University Athletic meet held at RGHUS , Karnataka in 8/6/15
- **Sushant Kadlag and Virraaj Matkar** participated in University level Badminton tournament in Marine Lines.
- **National Service Scheme (NSS) :**
About 15 NSS volunteers from SE and TE Civil Engineering Department have done a commendable job by adopting Dehrang village in Panvel and doing social work there. They were also involved in organizing Health Check-ups, Handwriting training sessions, spreading awareness on Traffic Safety and conducting Swachata Abhiyan in Kharghar with Rotaract Club.



TOPPERS FOR ACADEMIC YEAR 2014-15

UNDERGRADUATE LEVEL

SEM	1st	2nd	3rd
III	Muley Priyesh (9.86)	Bhise Atul (8.79)	Dalvi Pratik (8.57) Mhatre Pranay (8.57)
V	More Akshay (9.24) Netke Devand (9.24)	H. Mayuresh (9.2)	Mhamunkar Shubham (8.96)

POSTGRADUATE LEVEL *(Structural)*

SEM	1st	2nd	3rd
II	Prajapati Kapil (8.8)	Tank Ketan (8.73)	Naik Sonal (8.55)

BE Toppers for the Academic year 2014-15



From left: Radhika Sawant, Tushar Shelke, Sujay Salve

TEACHING AND NON TEACHING FACULTY OF CIVIL ENGG DEPT.



Thank you to our Beloved Principal, Dr. Manjusha Deshmukh for being our guiding star. Her mentoring has meant much to us and we can never really thank her enough.

Thank you to our awesome team, we couldn't have done it without you. Thank you for your contributions and for a great year!

