

**DEPARTMENT OF CIVIL ENGINEERING**



*Vol-16 (June to Dec 2016)*

**CONTENT**

<b>EDITORIAL</b>	(pg-2)
<b>DEPT. VISION MISSION</b>	(pg-2)
<b>PEO &amp; PO</b>	(pg-3)
<b>FACULTY ACHIEVEMENTS</b>	(pg-3)
<b>IMP EVENTS IN DEPT</b>	(pg 5)
<b>STUDENT ACHIEVEMENTS</b>	(pg-8)
<b>ACADEMIC ACHIEVEMENTS</b>	(pg-10)
<b>CIVIL ENGINEERING FACULTY</b>	(pg-11)



**EDITOR**

**PROF. ROSHNI JOHN (HOD)**



**PROF. VAISHALI KISHAN**

A warm welcome to the 14<sup>th</sup> issue of '**Department of Civil Engineering**' newsletter for the academic year 2015-16. 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



**Prof. UW Mate** gave a research talk on “ *Faculty role in comprehensive Assessment towards carrier opportunities, research and entrepreneurship of engineering graduates*” to the Civil Engg faculty on 5/6/2016



**Dr. SM Rangari** gave an expert lecture on “*Research opportunities in civil engineering at IISC, IITs and NIITs*” to the Civil Engg Faculty on 12/7/2016



**Dr. Suman Rawat** gave an expert lecture in Anjuman-I-Islam Kalsekar Technical Campus , Panvel on “*Dynamic and Evolving Planet*” on 15<sup>th</sup> July 2016. This expert lecture was a part of one of the sessions in Faculty development Program on Engineering Geology

### ➤ MINOR RESEARCH PROPOSALS

Four R&D project proposals for Minor Research grants were submitted to Mumbai University under the scheme of Technology/Science on following topics:

AUTHOR	TOPIC
Prof UW Mate Prof. Vishal Misal	Viability of sand alternative in concrete
Prof. Pooja Somani Prof. Rachel Gitty	Water quality analysis in storage tanks of Housing Societies
Prof. Shilpa Kewte Prof. Roshni John	Effect of glass powder and brick powder on compressive strength of concrete
Prof. Shanthi Selvam Dr. Suman Rawat	Geological investigation of Main landslide, Pune district, Maharashtra

➤ **R&D RESEARCH PROPOSALS TO RAJIV GANDHI SCIENCE AND TECHNOLOGY**

Department of Civil Engineering submitted 9 proposals to Rajiv Gandhi Science and Technology on following topics:

AUTHOR	TOPIC
Dr. Suman Rawat Prof. Sanjay Singh	Geological investigation of Main landslide, Pune district, Maharashtra
Prof. Avinash Chavan	Product development techniques for Bottle holder

Prof. Ayush Malpani	Evolution of green fuel from solid waste
Prof. Harshal Pathak, Prof. Varsha Patil	Evolution of best management practices by using hydrologic and hydraulic modeling
Prof. Pooja Somani	Assessment of water quality reaching consumer end through taps connected to storage tanks
Prof. Shanti Selvam, Prof. Rachel Gitty	Effect of sea water in curing and compressive strength of concrete
Prof. Shilpa Kewte, Prof. Roshni John	Utilization of waste glass powder and waste brick powder as supplementary cementitious material
Prof. Sujaya Wadekar, Prof. Mrinmyee Ganage	Rice irrigation by micro Irrigation techniques
Prof. Shweta Motharkar, Prof. Shilpa Kewte	Possibility of partial replacement of coarse aggregate by EPS and waste polythene in cement concrete

➤ **PhD PURSUING**

The following faculties of Civil Engg Department secured admission to PhD program in the academic year 2016-17:

Prof. Roshni John                      Prof U.W Mate  
Prof. Shanti Selvam                  Prof. Rachel Gitty

## ADVISORY BOARD MEETING 20<sup>th</sup> Oct 2016



Advisory Board meeting for Civil Engineering was held 20<sup>th</sup> October. Mr. AK Tiwari, VP of UltraTech Cement and Mr. Ashish Khobragade Asst Engr, CIDCO were the board members. The meeting emphasized on curriculum enrichment, industry institute interaction and current career prospects in Civil Engg.

## SHORT TERM TRAINING PROGRAM

19<sup>th</sup> – 23<sup>rd</sup> Dec 2016

ISTE approved STTP on “*Frontiers of Civil Engineering*” was conducted for the faculty with an objective of providing an opportunity for academicians and industrialists to meet and share their thoughts on innovative technological trends. The course covered Green Building, EA and Disaster Management, Remote Sensing and GIS, Advances in Structural Engg, Environmental Engineering, Hydraulics and Water Resource Engineering and Transportation Engineering. The eminent speakers were Dr. Abdul Razak

Honnutagi, Dr. V.B Ashtankar, Mr. C.J Rao, Mr. Yogesh Agarwadkar, Dr. Tejaswini Nalamutt, Dr. Suman Rawat and Mrs. Mugdha Agarwadkar. A site visit was also arranged to Depot at Taloja, for Navi Mumbai Metro line 1.



## IMPORTANT EVENTS

## DEPARTMENT EVENTS

### ➤ WORKSHOP ON SOFTSKILLS

Nurture – the corporate readiness and soft Skill development, lecture and workshop series was conducted for SE students with an objective of imparting training to help students to get placement in best industries. The

training was delivered by Prof. Alka Purohit, Corporate Relations Officer and Training, SCOE. The module aimed at promotion of strategies for the personality development of the students. The course content comprised of: leadership, communication, interpersonal relations and team building.



### ➤ **SURVEY PROJECT**

Students of SE students carried out survey project in the college premises of SCOE under the guidance of Prof. Rachel Gitty and Prof. Shanti Selvam. 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.



### ➤ **APTITUDE TRAINING**

12/10/16 to 18/10/16



Aptitude training was organized for the BE students to enable their overall development and employability enhancement. The training was delivered by Mr. Varun Velankar, who has been in the field of education and training for nearly 8 years.

He gave a crash course on quantitative ability, reasoning ability and verbal ability. He also emphasized on developing communication, leadership, teamwork and management skills.

### ➤ **PARENT TEACHER MEETING**

(24<sup>th</sup> Sept 2016)



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.

➤ **SITE VISIT TO SEWAGE TREATMENT PLANT**

(9<sup>th</sup> -10<sup>th</sup> Oct 2016)



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.

➤ **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. Shilpa Kewate	Theory of plates and shells
14/8/15	Prof. Pooja Somani	Files and Folders
8/9/15	Prof. Vishal Misal	Ground Improvement Techniques
19/9/15	Prof. Sujaya Wadekar	Hydro seismicity in Junagadh , Gujarat

**IWWA STUDENT’S CHAPTER**

Students Chapter and Youth forum of Indian Water Works Association IWWA was inaugurated on

IWWA is a voluntary body of professionals concerned and related to water supply of municipal , agricultural , industrial uses treatment and disposal of waste water. It supports knowledge dissemination and sector development, promotional activities in water and waste water sector through workshops and seminars.

A site visit to water treatment plant, Bhandup was organized or the students in association with IWWA on 20/09/16.





## FACULTY ACHIEVEMENTS

- **BEST PAPER AWARD**



### FOUNDATION DAY

SCOE felicitated the meritorious students of Civil Engg Department on the Foundation day



**Prof. Radhika Joshi** student of ME, bagged best paper award for “*Seismic earth pressure coefficients for vertical strip anchors in cohesionless soil*” in International Geotechnical Conference on Sustainability in Geotechnical Engg practices and related urban issues, at IIT Powai Mumbai.



- **Vishwabushan Sanjay Dhabade** bagged Gold medal in International Conference Taekwondo Championship 2016.

- **Suraj Pal** bagged *First Prize* in Aminova 2016, Amity University, Mumbai in Solo Dance Competition.

- **Surendra Kishanlal Sutar** participated in 6<sup>th</sup> Indian Student Parliament.



- **Vivek Shinde, Kshitij Kapse, Sandeep kamble, Prashant Ahire, Somharsh Ghuge, Sunny Bhalerao, Suresh Gharat and Shubham** participated in modeling competition 'Construct It', Spectra 2016 in SP College of Engineering



- **Tejal Hazare** participated in Trekking (10500 ft. height) in Adventures Camp, Dharmashala, Government of Himachal Pradesh

- **Tejas Ghogari, Gurudutt Patil, Pranit Bhagat, Wilfred Donakanty, and Aniruddh Manjul** from Civil Engg Dept participated in Mumbai University Football tournament in MIT, Pune





- **Tejas Ghogari, Gurudutt Patil, Pranit Bhagat, Wilfred Donakanty, and Aniruddh Manjul** from Civil Engg Dept participated in Youth Sports, Reliance Foundation

- **ME Civil Pass Outs**

The following students have post graduated in ME Civil (Structural Engg) from SCOE in the academic year 2015-16:

Sr. NO	NAME
1	Varsha Patil
2	Supriya Khedkar
3	Najiya Ghanchi
4	Osama Maniyar
5	Ghalot Rameez
6	Patel Jignesha
7	Hussain Humdule
8	Mital Desai
9	Neha Kolte

**M.E TOPPERS**

	NEHA KOLTE (9.47)
	SUPRIYA KHEDKAR (9.23)

• **GIVING BACK TO SOCIETY**  
Students of NSS unit SCOE, Civil Engineering Students Association CESA and IWWA students chapter did a commendable job of social service by constructing 2 Ferro cement Water tanks for the poor and needy in the village, Shirsonicha Pada, about 60 km from Kasara Station.

The specifications of the tanks are as follows:

- Capacity: 10,000 litre
- Height: 4 feet
- Diameter: 3.23m



# TOPPERS FOR ACADEMIC YEAR 2016-17



## UNDERGRADUATE LEVEL

SEM			
IV	MULEY PRIYESH (9.23)	JAIN AKASH (8.38)	MISTRY JITESH (8.33)
VI	TEJAS KULKARNI (8.61)	KSHIRSAGAR RUSHIKESH (8.39)	DHADAMBE VISHWAS (8.14)
VIII	CHAVAN SUPRIYA (9.83)	DINGORKAR PRATHAMESH (9.67)	GALANDE MANOJ (9.33)

## POSTGRADUATE LEVEL *(Structural)*

SEM			
II	PRAJAPATI KAPIL (8.8)	TANK KETAN (8.73)	NAIK SONAL (8.55)

## **FACULTY OF CIVIL ENGG DEPT.**



Thank you to our Beloved Principal, Dr. Manjusha Deshmukh for being the inspiring force behind our endeavors of reaching newer heights day after day ; we can never really thank her enough.

Thank you to our teaching and non teaching staff, for their hard work in providing engaging and supportive learning activities from day one. We couldn't have done it without you.

Thank you students for your eagerness and positive attitude towards learning and your willingness to put in the best effort.

