

July - Dec 2014

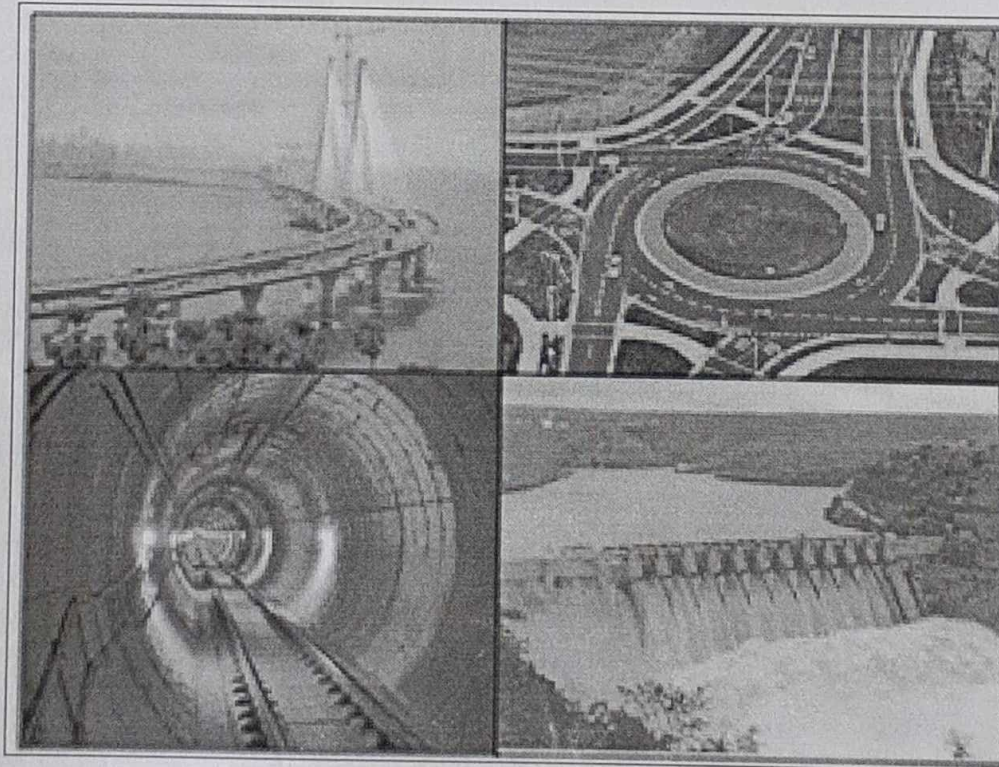


SARASWATI EDUCATION SOCIETY'S
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DEPARTMENT OF CIVIL ENGINEERING
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NEWS BULLETIN

Editorial Panel: Dr. Manjusha Deshmukh (Principal)
Prof. Roshni John (H.O.D, Civil Engg. Dept.)
Prof. Chitra V. (A.P.)

Vol:-12



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COURSE OBJECTIVES

The objectives for civil engineering undergraduate and postgraduate degree programs are as follows:

1. To prepare the students with a sound foundation in the mathematical, scientific engineering fundamentals.
2. To prepare the students to use effectively modern tools to solve real life problems.
3. To prepare the students for successful career in Indian Multinational Organisations to excel in postgraduate studies.
4. To encourage and motivate the students for self-learning.
5. To inculcate professional ethical attitude, good leadership qualities commitment to social responsibilities in the students.

COURSE OUTCOMES

The expected outcomes in the civil engineering undergraduate and postgraduate degree programs are as follows:

1. The students will acquire a sound foundation in the fundamentals of relevant subjects necessary to formulate, solve and analyze civil engineering problems.
2. The students should expertise knowledge with respect to facts, concepts, principles and procedures related to building construction system.
3. The civil engineering students must get appreciable knowledge to execute and manage the civil engineering projects as per the standards laid down from time to time.

Mission

1. To strive to achieve excellence in technical education imparted in civil engineering.
2. To collaborate with other recognized institutes and industries of national or international level for quality improvement and development.
3. To strive to maintain cultural identity of civil engineering profession.

Vision

1. To strengthen the teaching-learning process through well-knit student-staff relationship.
2. To establish well equipped laboratories with latest equipments for research and development in various fields of civil engineering.
3. To place all the students in services or motivate them for entrepreneurship.

Editorial

The Department of Civil Engineering is glad to present the December 2014 issue for News Bulletin. Every department has its long term and short term goals and its evaluation system. This Bulletin is meant to describe and evaluate the ups and downs of the different activities carried in previous semester. Also we wish the department would make a better leap in terms of academics and other innovative activities in the coming semester. We greet all our readers for the even semester 2014-15.

ACHIEVEMENTS

Departmental Achievements:-

➤ **University Toppers**

Krishna Garkal of B.E. secured tenth rank in the university for the academic year 2011-2014; followed by Sharayu Nagare with 14th rank and Parthesh Parekh with 21st rank. Overall result of SEM VIII was 93.75%

➤ **ICAST 2014**

The Department organized the chair for the International Conference in Advances in Science and Technology (ICAST 2014). Students and Faculty members of Civil Engineering Department have published papers during the event.

TOPPERS FOR THE ACADEMIC YEAR 2013-14 (ODD SEM)

Toppers of BE (Sem VI)

Garkal Krishna (79.71%)
Nagare Sharayu (76.85%)

Toppers of TE (Sem V)

Savle Sujay (78.82%)
Pachpande Bhagyashri (75.11%)

Toppers of SE (Sem III)

Ahire Nandkishor (9.23 SGPA)
Paradkar Aumkar (9.08 SGPA)

RESULT FOR M.E. CIVIL (STRUCTURAL) SEM-II:-

Overall Result: - 93.75%

Neha Kolte	9.27 SGPA
Supriya Khedkar	8.91 SGPA
Rameez Gahlot	8.55 SGPA

Faculty Achievements:-

- Dr. Sangita Mishra presented a paper on "Hydrological Drought Assessment of Tel river basin using GIS and multiple time scale indices" at Geomatrix 2014 conducted during 6-7 June 2014 at IIT, Powai
- Dr. Sangita Mishra published a paper in the journal IJSCR 2014 under the topic "Design of water harvesting structure in Himalayan hilly region".

B.E. PROJECT ORIENTATION



An orientation program was conducted for B.E. students for their final year project work by Prof. Roshni John, HOD, Civil Engineering on July 21, 2014. A short presentation was given for the students regarding the importance and methodology to be followed for project work.

TEACHER'S DAY CELEBRATION



The faculty of the civil engineering department celebrated Teacher's day on 5th September 2014. Dr. Alam Shaikh, Principal and Prof. S.N.Teli, HOD (mechanical) were also present for the function. Prof. Roshni John, HOD (civil) addressed the meeting.

FRESHER'S PARTY CELEBRATION

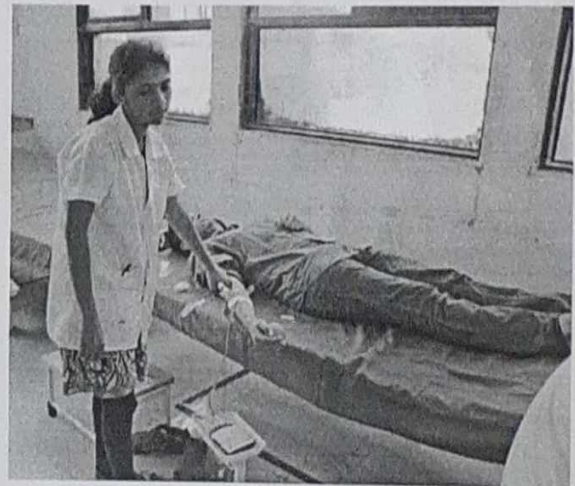
The CESA committee of the civil department organized fresher's party to welcome the second years students to the department. Dr. Alam Shaikh, Principal, Prof. Roshni John (HOD, civil) and Prof. Siddhartha Ray (CESA coordinator) presided over the function.



The meeting introduced the newly elected CESA student coordinators in the civil department. Cultural events were also organized by the second and third year students of the department.

CESA ACTIVITIES:-

A) BLOOD DONATION CAMP



The CESA organized the blood donation camp on 17th September 2014 in association with Dr. D.Y.Patil hospital and medical college, Navi Mumbai. The blood donation camp was inaugurated by Prof. Roshni John, HOD(civil). Students and faculty members participated in the blood donation camp.

B) SELF DEFENSE WORKSHOP FOR GIRLS

A workshop was conducted on "self defense for safety for girls" by the CESA committee on 17th September 2014. Experts in Taekwondo art gave defense classes to students of the department.

FACULTY DEVELOPMENT PROGRAMME - SITE VISIT TO LAVASA



The teaching and non-teaching staff of the civil engineering department conducted the site visit under faculty development program on 18th December 2014. The site selected was Lavasa city in Dasve town, Maharashtra and it was a one day trip. The trip was really informative. Dams of Warasgaon and Temghar and sewage treatment plant of the Lavasa city were visited and the working was studied.

Inspirational Savings

Nothing can be of great worth or holy which is the work of builders or mechanics

-Zeno

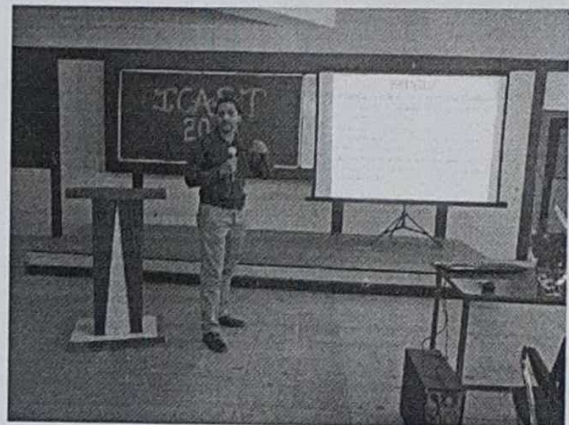
I was originally supposed to become an engineer but the thought of having to expend creative energy on things that make practical everyday life even more refined, with loathsome capital gain as the goal was unbearable to me.

- Albert Einstein

ICAST2014 –

CIVIL ENGINEERING SESSION

The civil engineering session of the ICAST 2014 was held in the department on 12/11/2014. The session was chaired by Dr. B.S. Asha, Professor, Datta Meghe College of Engineering, Airoli. Dr. Manjusha Deshmukh, Principal, Prof. Roshni John, HOD(civil engg.) and Dr. Sangita Mishra, session incharge presided over the function.



17 papers were received for the civil engineering streams and 12 papers were presented during the session. All the faculty members and the students of PG programme participated in the event. A best paper award was instituted in the civil engineering session. The paper presented by Hussain Hamdulay and Molly Mathew was given the best paper award. The participants were given certificates during the function. The details of paper presented are given in the upcoming page.



HONOUR TO TOPPERS

The university toppers in the civil department were honoured during the foundation day on 17th September 2014. University rank holders, Krishna Garkal, Sharayu Nagare and Parthesh Parekh of civil batch 2011-14 were felicitated by Smt. Vrushali Deshmukh, Secretary, SES.



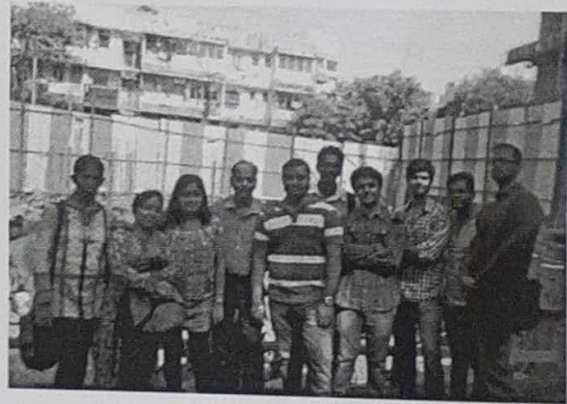
The batch toppers in third and second years were also given awards.

C) JAMMU AND KASHMIR FLOOD RELIEF FUND



A fund collection was organized by the CESA committee of the department to help the flood victims of the Jammu and Kashmir. Clothes, grains and cash amount were collected showing the cause and were properly handed over.

SITE VISIT:-



The students of M.E. (civil) visited the building site at Borivali under Triveni Developers, Mumbai on 6th November 2014 under the guidance of Prof. Roshan Zemse. The site was proposed for a G+11 residential building. The site visit was very advantageous and the students were well benefitted.

Authors	Title of Paper
Pooja Somani, Siddhartha Ray, Sanjay Singh	Assessment of Water Quality
Hussain Hamdulay, Molly Mathew	Study of Fatigue and Life Assessment of Steel Structures:ISO 800:2007 Provision
Rameez Gahlot, Roshni John, Roshan Zemse	Cofferdams-Forces, Analysis and Design Criteria
Neha Kolate, Molly Mathew, Snehal Mali	Analysis and Design of RCC box Culvert
Roshni John, K.Preetha kumari, Pankaj Sethi	Seismic Active Earth Pressure Behind Retaining Wall
Varsha Patil, Devikrishna P.M.	Design of Shear wall in Seismic Region
Mital Desai, Shilpa Kewate, Sneha Hirkane	Study of Fold and Folded Plates in Structural Engineering
Vaibhavi Mhatre, Shilpa Kewate, Anoo Sebastian	Study of Factors affecting Stability of Precast Segmental Box Girder
Sandeep Kadam, Devikrishna P.M., Subrato Chowdhary	An examination of Possible Usage of Mumbai Creek sand for making Concrete – A Review
Harshal Deshpande, Radhika Joshi, Prashant Bangar	Design Considerations for Reinforced Concrete Flat Slab Floor System
Jignesha Patel, Roshni John, Devikrishna P.M.	Comparison of Shear Resistance of High strength Concrete Beam without Shear Reinforcement by Different Codes
Naziya Ghanchi, Chitra V.	Waffle Slab Analysis by Different Methods
Sangita Mishra, Suman Rawat	Drought Assessment in Tel River Basin using Multiple Time Scaled Indices and GIS
Supriya Khedkar, Yugandhara Sontakke, D.R. Suroshe	Design of Prestressed Concrete Tank: A Review
Payoshni Mali, Savita Lokare, Chitra V.	Effect of Blast loading on Reinforced Concrete Structures
Osama Maniar, Prathmesh Khanvilkar, Suchetha Sable	Effect of Wind on Cable Stayed Bridges

QUALITY IMPROVEMENT PROGRAM

The civil engineering department conducts quality improvement program (Q.I.P.) to aid to the teaching skill and technological updation of the faculty members. A short presentation is given by faculty members on every Tuesday on some current civil engineering topics.

A good discussion is held after the presentation regarding the technical aspects of the topic. The lists of Q.I.P. topics with presenters are given.

Faculty	Topic
Prof. Radhika D.Joshi	Airport Engineering
Dr.Suman Rawat	Earthquake (cause & distribution)
Prof. Prashant G. Bangar	Cable Stayed Bridges
Prof. Parvati V.Kumar	Eutrophication
Dr.S. Sangita Mishra	Application of Remote Sensing
Prof. Chitra V.	Vibration Absorbers
Prof. Supriya D. Khedkar	Prestressed Concrete
Prof. Varsha V. Patil	Condition Survey
Prof. D.R. Suroshe	Foundation/Ground Improvement Techniques
Prof.Prathmesh P. Khanvilkar	Fly Ash
Prof. Pooja D. Somani	Reverse Osmosis