



SSBT's College of Engineering & Technology, Bambhori, Jalgaon.
(Included under section 2 (f) and 12(B) of the UGC Act, 1956
With NBA Accredited Courses & ISO-9001-2008 Certified)
Department of Civil Engineering

NEWS LETTER

News Letter Vol. No.06, Jan — June 2015



MISSION

To provide conducive environment for preparing competent, value added CIVIL Engineers.

VISION

Today we carry the flame of quality teaching learning process to enlighten global society, tomorrow the flame will glow even brighter.

Salient Features:

- Experienced, Qualified & Research Oriented Faculty
- Program Re-Accredited by NBA For 5 Years
- Modern and Well Equipped Laboratories
- Excellent Results
- Research Facilities for PhD scholars
- Departmental Library with Internet Facility
- SAP Software
- Consultancy for Civil Engineering & Allied Processes
- Teacher Guardian Scheme
- Excellent Self-Study Material



The Program Outcomes of Civil Engineering

1. A Civil Engineering graduates will have basic knowledge of mathematics, science and Engineering and a sound foundation of basics/fundamentals of Civil Engineering principles.
2. A Civil Engineering graduate will develop an ability to identify, formulate and solve specific Civil Engineering problem.
3. A Civil Engineering graduate will be well versed with the experimental methods and will develop an ability to design project integrating the experimental methods. He/she will be able to interpret data.
4. A Civil Engineering graduate will demonstrate an ability to work on multidisciplinary tasks using his/her basic understanding of core subjects.
5. A Civil Engineering graduate will be familiar with modern Engineering tools, software and equipments.
6. A Civil Engineering graduates will be well aware about professional and ethical responsibilities.
7. A Civil Engineering graduate will be not only versed with the theoretical knowledge rather will be having exposure to the real world Engineering problems and working environment also.
8. A Civil Engineering graduate will have good communication skills to express his/her knowledge.
9. A Civil Engineering graduate will be aware of the latest developments in the arena of Civil Engineering.
10. A Civil Engineering graduate will be aware about sustainable development aspect and environmental friendly technologies.
11. A Civil Engineering graduate will be aware about his/her social responsibilities; a Civil Engineering graduate will be having qualities of good citizen and good human beings also.

Program Educational Objectives of Civil Engineering

1. To carryout effective teaching (theory + experiment) fulfilling the syllabus requirements as well as covering relevant content beyond syllabus; to undertake good projects meeting demands of private/cooperative industrial sector, Governmental organization etc; and to arrange site visits for students to correlate the theoretical knowledge with real world.
2. To arrange remedial classes for weaker students; to organize expert lectures by eminent persons from academics, industry and other diversified field; to organize and motivate students for participation in co-curricular, extracurricular activities for overall personality development.
3. To give a role model to the students for being good engineer, good citizen and good human being; and to enhance mass awareness regarding environmental friendly technology and life style.
4. To provide opportunities for the staff for career development within and off the institute; to enhance research facilities in the department; to extend consultancy services to various government and private organizations.

Activities in Civil Engineering Department

Lecture on value education



Advocate Shirin Amreliwala delivered a Lecture on Value Education. Described the importance of moral values in one's life. She also signified the importance of values in national development.



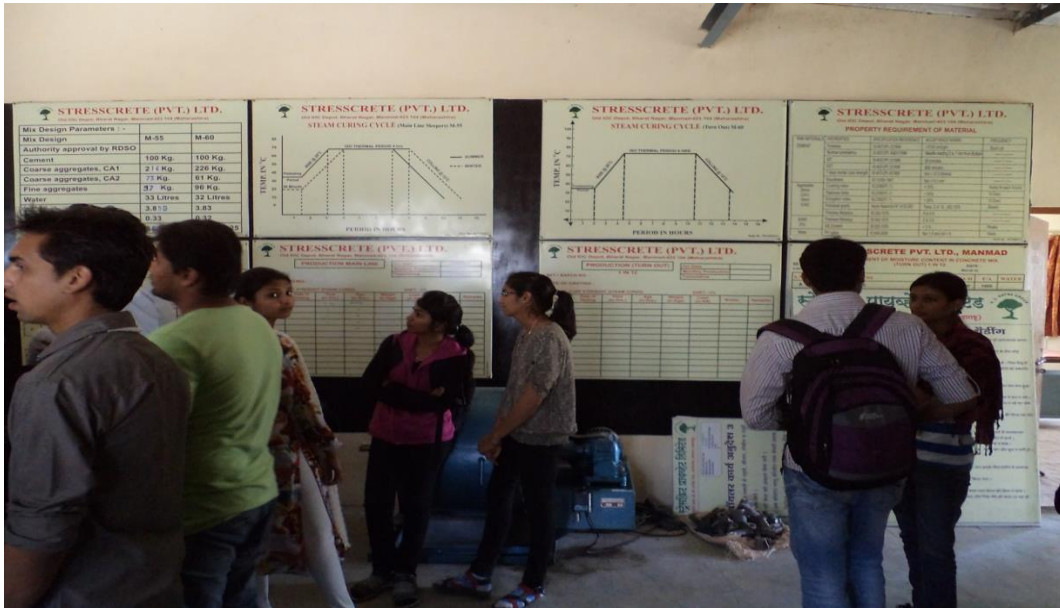
Expert Lecture by Michael Kedem



ER Michael Kedem from Israel visited the department on Jan 17TH 2015. He delivered a technical talk on Enzyme stabilized road pavements. This is an application of biotechnology in road pavement design. The enzymes can stabilize soft soil and make it well bound. The cost of technology is lesser than that of the other conventional technologies.



VISIT TO PRE-STRESS CONCRETE FACTORY, KHANDWA, MP



Pre-stressing of concrete is a relatively new concept. The Pre-stress Sleepers limited, Khandwa is a factory which manufactures sleepers with pre-stressing, thereby increasing their strength. The visit is coordinated by Prof P A Shiruli.

VISIT TO AJANTA CAVES



Under the coordination of Dr S L Patil students of SE civil visited Ajanata caves from Geology point of view.

HONOR OF THE DEPARTMENT

Following students qualified in GATE examination:

1. Mr Shrey Jain
2. Mr Sudhanshu Mohan

Following companies visited the department for placement purpose

- I. Abhijit Patil construction Co., Jalgaon
- II. Sanjeevani Infra Construction Co., Nashik

❖ **Ms Sapna Sonawane and Mr Abhishek Gaikwad got selected in as Junior Engineer in Government Departments.**

❖ **Cricket Team of the civil engineering department got first prize in sports. Department organized a Shevbhaji Party for the winner Cricket team members, GATE Qualified students and students selected in Government jobs.**



FACULTY ACHIEVEMENTS

I. Research publications:

The faculty is actively involved in research and they have published following research papers in the duration Jan 15 to June 15:

- Socio-economic and environmental impact of participatory watershed management program: A case study of Darewadi watershed in Maharashtra, (2015) M Husain, F I Chavan, S Sanap, *International Journal of Engineering Education and Technology*, 2(3), 1-7, ISSN 2320-883X.
- A case study of watershed Development in Darewadi, (2015) M Husain, F I Chavan, S Sanap, *International Research Journal of Engineering and Technology*, 2(2), 36-40, ISSN 2395-0056.
- Impact and effectiveness of watershed management in Darewadi, M Husain, F I Chavan, S Sanap, *International Journal of Modern Trends in Engineering and Technology*, (2015) 2 (5), 345-349, ISSN 2349 – 9745.
- Dairy wastewater a case study, S Patil, V Ahire and M Husain, *International Journal of Research in engineering and Technology*, (2014) 3(9) 30-34, ISSN 2319 – 1163.
- Detergent removal from sullage by photo-catalytic process, K S Wani, M Husain and V R Diware, *International Journal of Science, Spirituality and Technology- Pratibha*, (2014) 3(1), 1-5, ISSN 2277-7261.
- Reuse of scrape tyre as a partial replacement of fine aggregate in concrete and its impact on properties of concrete, M Husain and P A Shirule, *International journal of civil and structural engineering* (2015) 5(4), 353 – 359, ISSN 0976 – 4399.
- Reuse of scrap tyre as a partial replacement of $\frac{3}{4}$ " natural coarse aggregate in concrete and its impact on properties of concrete, M Husain and P A Shirule, *Journal of Construction Engineering, Technology and Management*, (2015), 5(1), - 6, ISSN 2249 – 4723.

- II. The faculty member Mr S B Pawar has submitted the draft copy of his Ph D Thesis to the North Maharashtra University, Jalgaon. His pre-PhD presentation date will be decided soon.
- III. The Faculty member Mr P A Shirule has sought permission from the North Maharashtra University, Jalgaon to submit his Ph D Synopsis.
- IV. Dr M Husain reviewed two papers for the international journals.
- V. Dr M Husain has been invited as a Chief Guest in the National Level Conference on the theme “Advances in Civil Engineering” at Jawahar Institute of Technology, Borawan, Khargone, MP.



Project on reuse of scrape tyre for replacement of natural aggregate



Mr P A Shirule did a project on use of scrap tyre rubber in concrete as a substitute of natural fine aggregate. The results are very encouraging. The project provides an eco friendly alternative to the disposal problem of rubber scrap. It also provides an economical solution for the problem of natural aggregate scarcity. The project got overwhelming response from the media also.

टाकाऊ प्लास्टिकपासून टिकाऊ वाळू



बांभोरी अभियांत्रिकी कॉलेजच्या विद्यार्थ्यांसोबत प्रा.एम.हुसेन, प्रा.पी.ए. शिरुळे.

- VI. Dr M Husain has served as an External Member for the Scrutiny and Screening Committee for evaluating the proposal of Prof Ms Vidya Saraf for traveling to attend the conference at Netherlands.**
- VII. Dr M Husain received a grant of Rs 380000/- on his project “Radiation measurements and turbidity control in salt gradient solar ponds in tropical climate”. The grant is received under Rajiv Gandhi and Science and Technology Cell of state government. The project is jointly coordinated by Dr M Husain (CoPI) and Dr S P Shekhawat (PI) of Mechanical engineering department.**
- VIII. Mr Sudhakar Pawar is given appreciation letter by Honorable Managing Trustee for his contribution to site work and maintenance of civil engineering.**

RESULT ANALYSIS

Class	% Pass	topper
SE A	77.33%	Khanchandani Akash 8.62 grade
SE B	78.08%	Sapna Patil D 8.63 grade
TE	90.47%	Dnyaneshwari Mahajan 8.38 grade
BE	85.50%	Yugandhara Ingle S 79.13%

Honor Mr Rishikesh Pawar



Mr Rishikesh Pawar, student of third year civil engineering addresses a gathering of gentries on his project of "MPSC/UPSC Study Center" in front of Cabinet Minister Girishji Mahajan, All MP & MLA of Jalgaon district, COLLECTOR, and Chief executive officer of Jalgaon.

Her excellency Smt Pratibha Patil visits College

