



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
(NBA Re Accredited)

NEWS LETTER

News Letter Vol. No.078 July — Dec 2016



FEAST 2016_17

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



Programme Educational Objectives (PEOs)

- 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.
- 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.
- 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.
- 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.

Program Outcomes(Pos)

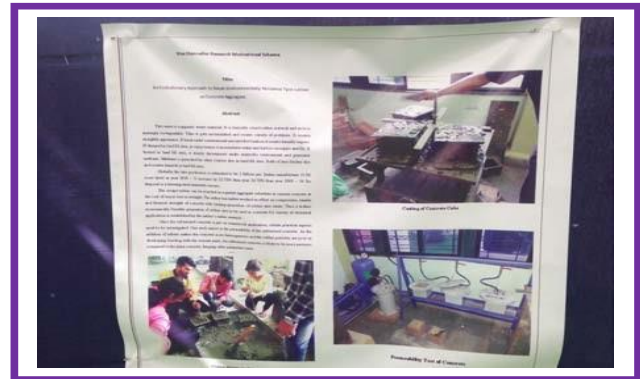
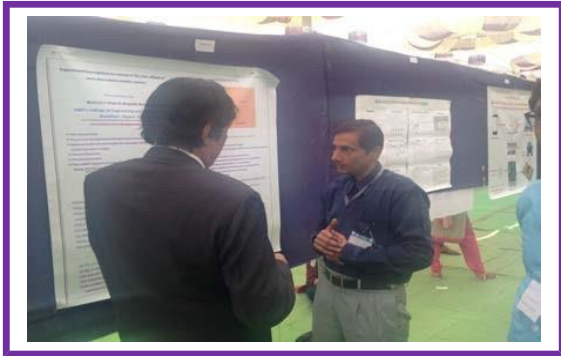
- **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- **Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

- **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Programme Specific Objectives(PSOs)

- **Ability to apply theoretical knowledge for specific field applications:** a civil engineering graduate must be able to identify the constraints of a real world problem and must be able to decide appropriate combination of technology to resolve the problem. S/he must be able to implement the solution.
- **Ability to work with advanced equipment:** a civil engineering graduate must be able to deal with advanced equipments used for various civil engineering applications for faster and precise observations.
- **Awareness about alternative and blended construction materials:** natural materials are getting scarce and their over exploitation is causing environmental damages. A civil engineering graduate must be aware about the applications of alternative and blended construction materials which are more sustainable.

Dr M Husain and P A Shirule Participated in AVISHKAR 2016



Dr M Husain received Rs 48000/- from North Maharashtra University Jalgaon for his research project titled “Experimental Investigation on Removal of Tio₂ From Effluent of Slurry Phase Photo Catalytic Reactors.”

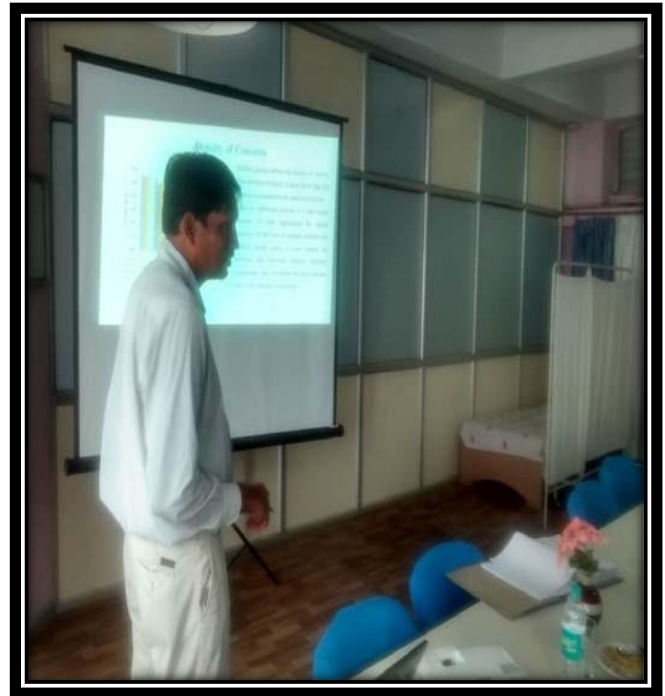
Prof P A Shirule received Rs 70000/- from North Maharashtra University Jalgaon for his research project titled “An Evolutionary Approach to Reuse Environmentally Nuisance Discarded Tyre Rubber as Concrete Aggregate”

They presented poster based upon their work in AVISHKAR 2016_17, a university level event for innovative project.



*Miss Priyanka Asutkar
completed her ME
(Structures) from
Government College of
Engineering, Aurangabad*

Mr Pravin Ashok Shirule is registered for his Ph D titled “An Evolutionary Approach to Reuse Environmentally Nuisance Discarded Tyre Rubber as Concrete Aggregate” under the guidance of Dr M Husain at North Maharashtra University, Jalgaon



P A Shirule submitted his Ph D



Dr S B Pawar received his Ph D

Dr Sudhakar B Pawar completed his Ph D on “Developing Simulation Model for Dispersion of Vehicular Air Pollution”. His final viva voce is held on October 8, 2016. Dr Dilip Lataye from NIT Nagpur conducted his viva voce and recommended his name for the award of Ph D Degree.

Advocate Shirin Amreliwala delivered her lecture on the topic of Self Esteem for final year civil engineering students. She counselled the students for confidence, courage and motivation. She discussed the techniques to come out from depression.





**Mr SHOEB SAYED, SE Civil winning the title of MR. UNIVERSITY
as well MR ZONE with GOLD medal and TROPHY**

RESEARCH PUBLICATIONS

M Husain, and S P Shekhawat (2016) Understanding the radiation transmission model in turbid water using net radiation meter, Journal of basic and applied research international, 20(1), 12 - 16.

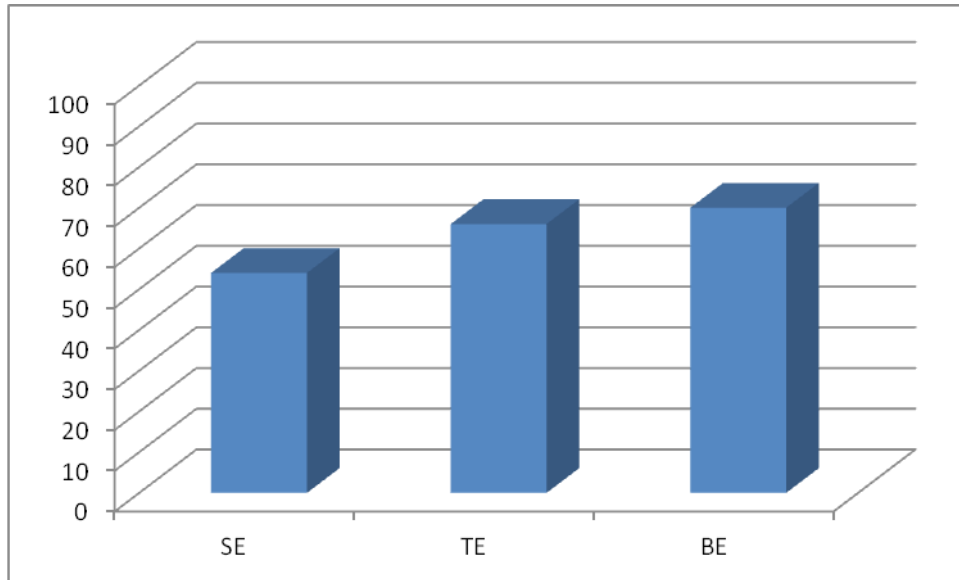
M Husain, C Thosar and F I Chavan (2017) Reuse of plastic waste as replacement of sand, International Journal of Innovative Research in Science, engineering and Technology, ISSN 2319 - 8753.

P Punase, P Asutkar and J N Kale (2017) Analysis of composite beams by elastic approach, International Journal of Innovative Research in Science, engineering and Technology, ISSN 2319 - 8753.

M Husain, and C Thosar (2017) Reuse of plastic waste as replacement of sand, International Journal of Innovative Research in Science, engineering and Technology, ISSN 2319 - 8753.

P Punase and K Mahajan attended 2 days workshop on advances in concrete at Simhagad College of Engineering, Pune during 19 - 20 Jan 2017.

Result analysis of Dec 2016 examination:



SE Civil Toppers

Name	Grade
Shaikh Khatija Bano	9.3
Akshay Patil	8.96
Apurva Patil	8.83

TE Civil Toppers

Lokesh Mali	9.3
Shubham Patil	9.17
Karshma Thakur	8.96

BE Civil Toppers

Sapna Patil	8.65
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College conducted student counseling session for the students of 12TH Standard as a part of ISR and with an objective to enhance the awareness regarding engineering education.



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TECHNOLOGY, BAMBHORI, JALGAON**

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