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.12 Jan — June 2018

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 scholar s
- Departmental Library with Internet Facility
- SAP Software
- Consultancy for Civil Engineering & Allied Processes
- Teacher Guardian Scheme
- Excellent Self-Study Material

Traditional day celebration

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.

Visit to Ajanta Caves

Students of SE civil visited Ajanta Caves as a part of their academic curriculum. The studies rocks and other geological formations there. Dr S L Patil coordinated the visit. Along with 120 students Prof M Husain, Prof Sisodiya, Prof B Patil, Prof Punam Baviskar and Prof Pratiksha Kandhare visited the site.

Visit to Brick Kiln

Students of SE Civil visited Ms Geeta Brick, Avana, Jalgaon on September 19TH 2018. Prof P R Punase coordinated the activity. 120 students of SE civil visited the kiln having complete brick manufacturing automated units.

Mock Interviews

Er Vilasrao Deshmukh, Retired Deputy Engineer of PWD, conducted Mock Interviews for the students of third year civil engineering. It was a reciprocation of the MoU between SSBT's COET and PWD Murtizapur. ER Arun Mishra, Contractor, Builder and developer also conducted Mock interviews for final year students.

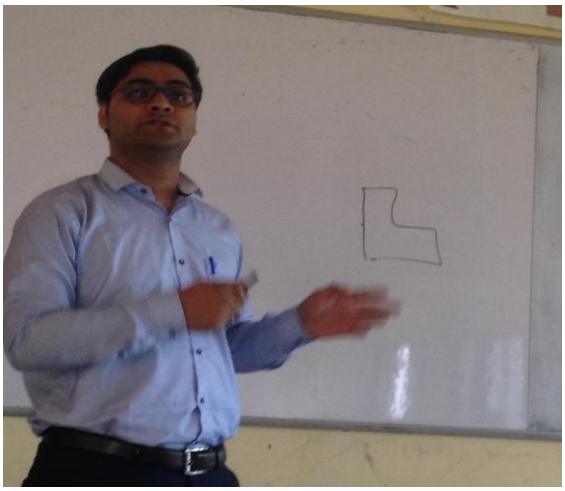
Visit to Hot Mix Plant, Paldhi

Students of SE Civil visited Hot mix bitumen Plant Paldhi. Prof P A Shirule coordinated the activity. The visit held on 28TH of March 2018.

Advocate Shirin Amreliwala conducted session for first year civil engineering students on the theme: Confidence Building.

Farewell Party in Civil Engineering Department. Students of final year organized a farewell party inn Hoetl Royal Palace on June 9TH, 2018.

Fresher's party: On March 18TH, students of SE organized a fresher's welcome party near two wheeler porch.



Er Gavit Dwivedi conducted a workshop for students on STADD software.

Prof N J Mistry from NIT Surat Visited our college. He held a session of students on the theme: Solid waste management using laser technology.

Research papers published by the faculty members in esteemed journals

Name	Title of Paper	Name of journal
Dr. M. Husain	Solid Waste Management By Vermicomposting	International Journal of creative research thoughts
	Industrial Water Distribution Network Design and Analysis: A Case Study	International Journal of creative research thoughts
	Electro coagulation Of Waste Water By Using Iron And Aluminum Electrode	International Journal of creative research thoughts
	Effect Of Cement On The Heave Of An Expansive Soil	International Journal of creative research thoughts
	Modified Multi – Media Filter For Domestic Wastewater Treatment	International Journal of creative research thoughts
	Removal of Floride using iron (fe3+) & magnesium (Mg2+) calcinated layer double hydroxidecoated on silica surface as absorbant	International Journal of creative research thoughts
	Wastewater Management in a Sugar Factory	International Journal of creative research thoughts
	Road Aggregates from Industrial Polymer-Waste	International Journal of creative research thoughts
Dr. S. B. Pawar	Assessment of Mass Awareness and Willingness for Environmental Protection	International Journal of creative research thoughts
	Impact on Health due to Air Pollution: a case study of Jalgaon City	International Journal of creative research thoughts

Dr. S.L. Patil	Assessment of Mass Awareness and Willingness for Environmental Protection	International Journal of creative research thoughts
Dr. P.A. Shirule	Air Dispersion Modeling Calculator	International Journal of Research in Science and Engineering
F.I.Chavan	Solid Waste Management By Vermicomposting	International Journal of creative research thoughts
	Industrial Water Distribution Network Design and Analysis: A Case Study	International Journal of creative research thoughts
	Electro coagulation Of Waste Water By Using Iron And Aluminum Electrode	International Journal of creative research thoughts
	Effect Of Cement On The Heave Of An Expansive Soil	International Journal of creative research thoughts
	Modified Multi – Media Filter For Domestic Wastewater Treatment	International Journal of creative research thoughts
	Wastewater Management in a Sugar Factory	International Journal of creative research thoughts
S. B. PAtil	Study of Rotating Biological Contactors (RBCs) for Wastewater Treatment Process	International Journal of creative research thoughts
J. R. Mali	Study of Rotating Biological Contactors (RBCs) for Wastewater Treatment Process	International Journal of creative research thoughts
	Experimental Study On Performance Of Composite Beams	International Journal of creative research thoughts

P. R. Punase	Removal of Fluoride using iron (Fe3+) and magnesium (Mg2+) calcinated layered double hydroxide (LDH) coated on silica surface as adsorbent	International Journal of creative research thoughts
	Effect Of Cement On The Heave Of An Expansive Soil	International Journal of creative research thoughts

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