



**SSBT's College of Engineering and Technology, Bambhori,
Jalgaon, MS**

NAAC Accredited

Civil Engineering Department

NEWS LETTER

News Letter Jan — June 2019



Mission

To provide conducive environment for preparing competent value added engineers of integrity of par excellence to meet global standards for societal development

Vision

Today we carry a flame of quality education, knowledge and progressive technology for global societal development tomorrow the flame will glow even brighter

Salient features

- *Experienced, qualified and research oriented faculty.*
- *Modern and well equipped laboratories*
- *Excellent results*
- *Research facilities for Ph D scholars Departmental library and internet*
- *Advanced software*
- *Consultancy services*
- *Teacher guardian scheme*



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.

Resource Person

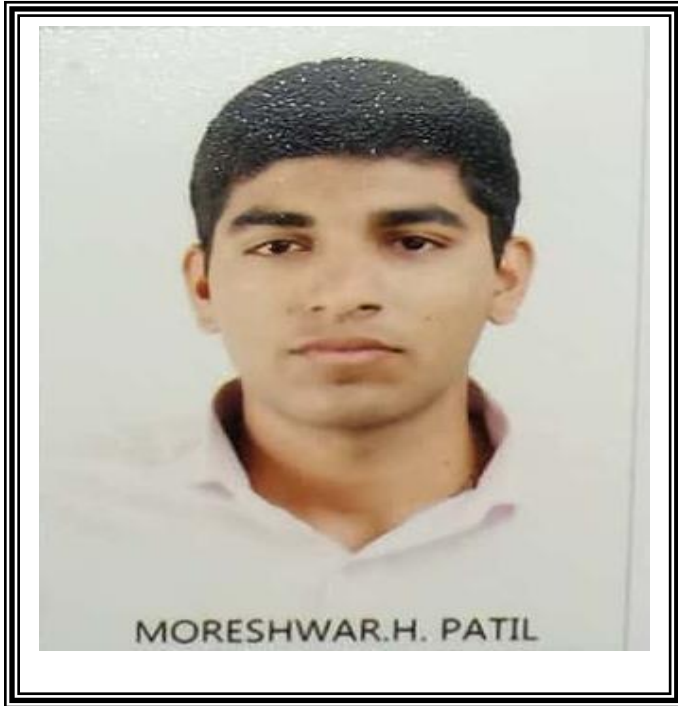
Vikhe Patil College of Engineering Ahmadnagar organized a national level Seminar on Environment and Sustainability. Dr M Husain was invited as resource person.



Civil Engineering Department Team Won Cricket Match Finals in the Annual Sports Event



HIGH FLYERS



**Moreshwar Patil Quaified GATE
2019 with 33.99 percentile**



**Shubham Sardar qualified
GATE 2019 with 28 percentile**



**Mr Bhagyesh Rane, BE Civil was
awarded best student award
(outgoing) for year 2019**

Analysis of University Result

All the top 10 positions of second year Civil are occupied by SSBTians!

Toppers of Second Year Civil:

Kale Gauri A: First rank in University

Alkari Vijay S: Second Rank in University

Mahajan Vikas A: Third Rank in University

Toppers of Third Year Civil:

Khan Zaiyyan N: Fourth rank in University

Rajput Lavannya M: Ninth Rank in University

Wani Ajinkya Arvind: Tenth Rank in University

Toppers of Final Year Civil:

Sheikh Khatija Bano R: Second rank in University

Moreshwar Patil: Sixteenth Rank in University

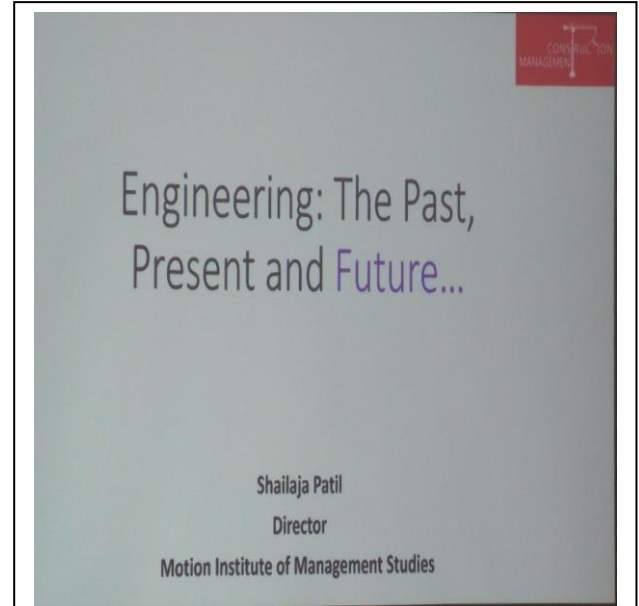
Deore Kranti S: Twentieth Rank in University



Research publication by Teachers

SN.	Title of paper	Author/s	Name of journa
1	Use of waste material in flexible Pavement Road	J N Kale	Journal of Applied Science and Computations
2	Climate Change and Its Impact on Indian Monsoon,	P R Punase	Journal of Applied Science and Computations,
1	Application of information technology for Environmental pollution control	S B Pawar	International Journal of Advance Research, Idea and Technology
	Experimental studies on concrete utilizing red mud as partial replacement of cement	S L Patil	International Journal of Advance Research, Idea and Technology
2	Replacement of fine aggregate using glass material in concrete	S L Patil	International journal of Advance Research, Idea and Technology
3	Treatment of sewage waste water using an agricultural waste corn cobs	S L Patil	International journal of Advance Research, Idea and Technology
4	To improve the fertility of soil using Biochar	S L Patil	International journal of Advance Research, Idea and Technology
5	Application of information Technology for environmental Pollution Control	Sonali B.Patil	International journal of Management ,Technology , and Engineering
6	A plan for management of hospital generated waste	P A Shirule	International Journal of Latest Technology in Engineering and Management & Applied Sc

Guest Lectures



Ms Shailja Patil, Director of Motion Institute of Management Studies addressed on the theme Engineering: The Past, Present and Future.



Representatives from CADD centre Jalgaon described students about Civil Engineering Software



*Er Hitech Lahoti
Guided the students
regarding their Career
prospects and job
opportunities in civil
engineering*

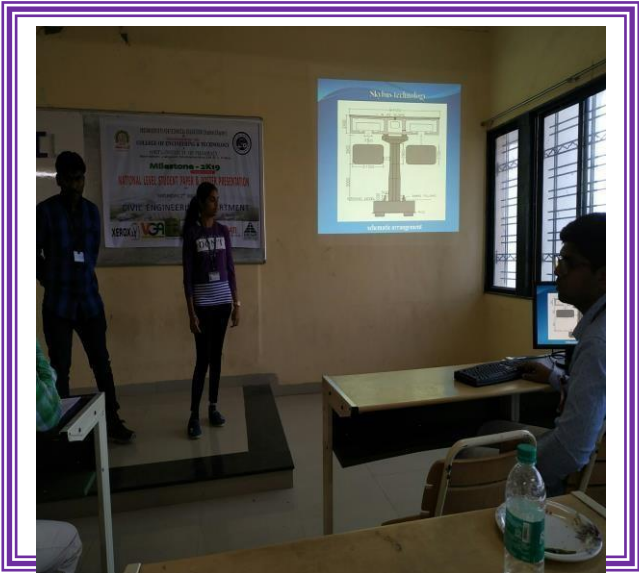


**Er Arvind Kale, Project Manager of National Highway Authority
of India, Dhule – Jalgaon division visited the college. He
appraised students about the four lane project of AH 46.**



University level project exhibition competition “Shod – Prakalpa” was organized in the college. Er Abdul Kadir Makra was invited as judge for the event.

Mile stone 2019, a National Level Paper contest was organized in the college. Mr Jayesh of Govt College of Engineering won first prize.



fAREWELL pARTY IN dEPARTMENT



Site visits



Students of SE civil visited the Hot Mix Bitumen Plant at Paldhi, Prof Bhupendra Patil coordinated the visit.

Students of SE Civil visited Ajanta Caves to see geological aspects. Dr S L Patil coordinated the visit.



Students of TE civil visited railway workshop at Manmad to see the steel structures. Prof P R Punase coordinated the visit.





Students of Final Year civil engineering visited Pres stress sleeper factory at Manmad. Prof P A Shirule coordinated the visit.



Water day celebration college. On July 21st, 2019, as per the instruction of the AICTE, the college decided to celebrate Water Day. Department of Civil Engineering coordinated the event. Dr M Husain, Prof Somani, Prof Puri, Prof P D Patil addressed the session.

