News letter

July – December 2022

Civil Engineering Department

Program Outcomes

1	Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.	
2	Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and enginee sciences.	ring
3	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 safety, and the cultural, societal, and environmental considerations.	and
4	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 conclusions.	alid
5	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 limitations.	the
6	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 engineer practice.	ering
7	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.	
8	Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.	
9	Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.	
10	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 de documentation, make effective presentations, and give and receive clear instructions.	sign
11	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 ar multidisciplinary environments.	ıd in
12	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.	
	Program Specific Outcomes	
1	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	h and
2	must be able to decide appropriate combination of technology to resolve the problem. Sine must be able to implement the solution.	ations
-	for faster and precise observations.	
3	Awareness about alternative and blended construction materials: natural materials are getting scarce and their over exploitation is causing environmental dama single agging graduate must be guare about the applications of alternative and blended construction materials which are more surtainable.	es. A
	civil engineering graduate must be aware about the applications of alternative and blended construction materials which are more sustainable.	
	Program Educational Objectives	
1	To carryout effective teaching (theory + experiment) fulfilling the syllabus requirements as well as covering relevant content beyond syllabus; to undertake go projects meeting demands of private/cooperative industrial sector, Governmental organization etc; and to arrange site visits for students to correlate the theoret knowledge with real world.	od ical

2 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.

3 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.



Guest Lectures

Er Abhijit Patil interacted students on September 27, 2022. He delivered a talk on the theme "Theoretical and practical approaches in civil engineering". He described the students, about importance of theoretical knowledge and how to apply it in practice. He also discussed on personality factors important for a successful professional civil engineer. He motivated and encouraged students.

Er Abhijit Patil is an alumnus of this department, he did graduation in 2000. Presently he is an A Grade Government Recognized Contractor with a turnover of over 30 crore Rupees per year. He has got specialization in pre stressed bridge.





Er Abdul Makra, visited department on December 15, 2022. He interacted with SE students. He spoke on the theme "Emerging Trends in Civil Engineering". He motivated students for self employment.

Mr Makra is an alumnus of department 2014 passout. Presently he is a successful Contractor, Broker, Developer and entrepreneur. He has an established name in the industrial sector of Jalgaon region.





Guest Lecture





Architect Dr Raviraj Ahirrao visited College on 07/10/2022. Dr Raviraj is a well established architect. He works in the field of Vastu Shastra, the ancient Indian Architecture. He motivated students to select it as one of the career option. His lecture on vastushastra was full of practical knowledge and very interesting.

Industry Oriented Project at Muktai Nagar

Students at Aerated Concrete Block Factory



Darshan Patil, Sachin Patil, Nitoin Barde, Raj Barse and Naresh Patil along with Prof M Husain and Er of the Plant



SITE VISIT

Statue of Unity is an monumental building. It is a wonder of modern civil engineering of India. Students visited there on September 23 -24. They reported







Narmada Sagar Dam

Rameshwaram Temple

Statue of Unity



Inside statue of Unity



Bus

SITE VISITS FOR REAL WORLD EXPOSURE AND BROADEN THE VIEW

Software Training

Students of final year civil engineering underwent training on Advanced Software for structural design e.g. STADD Pro, ETabs, RCDC, STADD Foundation etc through external Agency Civil Engineering Software Academy Pune. They learnt design of various structural elements with special emphasis on Earth Quake analysis, wind load analysis and design for RCC Building, water tanks, steel structures etc.







Clothe Donation

As a part of Institutional Social Responsibility, the department organized clothe donation activity. In the month of August, clothes were collected by student volunteers from hostellers, day scholars and teachers. The clothes were donated to the tribes in Yawal region near Hills on 9^{TH} of November 2022. Dr S L Patil and Dr P G Damle assisted Prof M Husain in the activity. College provided vehicle facility to transport the clothes.



सर्वांगीण विकासाचा वेग अभियंत्यांमुळेच-प्रा.डॉ. मुजाहिद हुसैन

तभा वृत्तसेवा जळगाव, १७ सप

आणां जगत असलेले जीवन जमियांग्रिकीमुळे सुखकर झाले जाहे, हवारो वार्षचा तुरुनेत मागीत 100 वर्तातील सर्वागिष विकासावा केग जमियंत्यांकुम गांदव वार्डलेगा जाहे, स्वया प्रत्येक गोर्वागिक हेवात जमिरता कार्यर प्रत्यान विकास वरूप सार्वता आठे. स्वरूपन देखाया प्रातीत वनिपंत्यांचा जाटा मोठा आहे, असे प्रतिपादन कौलेज और इंगिमिनि अंट देवनोतांकी बांगोरी स्थापय विमागामुख

जानयता प्रत्यानामता प्रश्युटव्य द्वुचिनिअर्स असोसिएशनतर्फे आयोजित कार्यक्रमात ते बोलत होते. त्यांनी विविध उदाहरणं देत अमियांत्रिकी विकासचा विचार करताना पर्यावरणाचा प्राप्तान्यो, विवार करायला पाहिले, असे मत



ाना याता करते. रीत अपियंता राकेश्व पाटील, ष्या करांडे, जगादीश जाखेटे. तिं, डाग्रीदा - प्राप्तुरू पाटील, के जगादीय पाटील, स्टिंग्स्ड नात, करी तोतला अभिणेत महाजन्म राट पाटील, एम. एम. खड़के, गिं इ. सूर्यवंशी, किरम ओरुंद हते, सैंनी, हेमंत पाटील, मानीष ये दिन विजय फडणीस. सिनेंदा लन राजेश्व चौभारी, आर्त्तीनी का ता राय्यनानी मार्थण प्रेरीसी

Engíneers Day

On 15^{TH} September 2022, on the occasion of Engineer's Day, Creative group of Engineers and Jalgaon Civil Engineering Association invited Prof Mujahid Husain to deliver a lecture on the theme of engineers day "Build it wiser: Engineer the Future".



Freshers' Party/Farewell Party An Occasion of Formal Introduction of Juniors with Seniors, Department and Teachers A Celebrative Moment organized Jointly 16/04/2022







Achievements of faculty:



Prof Farooq I Chavan submitted his Draft Thesis of Ph D to the University.



Prof Ms Sonali Patil submitted her Final Thesis of Ph D to the University.



Prof Pravin Shirule attended FDP on the theme 'Global business foundation skills' organized by Infosys BPM Limited Pune from Dec 6 - 14, 2022.

PLACEMENTS AND HIGHER STUDIES







Avinash Rathore qualified GRE and selected in Queen's University at Beflast, UK.

Dyaneshwar Sonawane joined M Tech Structures at VJTI Mumbai

Madhusudan Wani joined M E Structures at KJ CoE, Pune

Víjay Marathe joined M E Structures at KJ CoE, Pune

Total placements: 43

Main companies in which students are placed:

- 1. L & T Infrastructures
- 2. Tech Flow Engineers
- 3. Infosys
- 4. Stringer Drafting
- 5. Soni and Associates
- 6. Aditya Construction, Jalgaon