

# News letter

## Jan – June 2023

### Civil Engineering Department

#### Program Outcomes

1	<b>Engineering knowledge:</b> Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2	<b>Problem analysis:</b> Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3	<b>Design/development of solutions:</b> 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.
4	<b>Conduct investigations of complex problems:</b> 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.
5	<b>Modern tool usage:</b> 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.
6	<b>The engineer and society:</b> 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.
7	<b>Environment and sustainability:</b> Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8	<b>Ethics:</b> 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	<b>Communication:</b> 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.
11	<b>Project management and finance:</b> 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.
12	<b>Life-long learning:</b> 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	<b>Ability to apply theoretical knowledge for specific field applications:</b> 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.
2	<b>Ability to work with advanced equipment:</b> a civil engineering graduate must be able to deal with advanced equipments used for various civil engineering applications for faster and precise observations.
3	<b>Awareness about alternative and blended construction materials:</b> 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.

#### Program Educational Objectives

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 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.



**Prof Alex Furman and Prof Fenta Mulugeta, Joined Advisory Board of Civil Engineering Department**

## *Employability Enhancement Course*

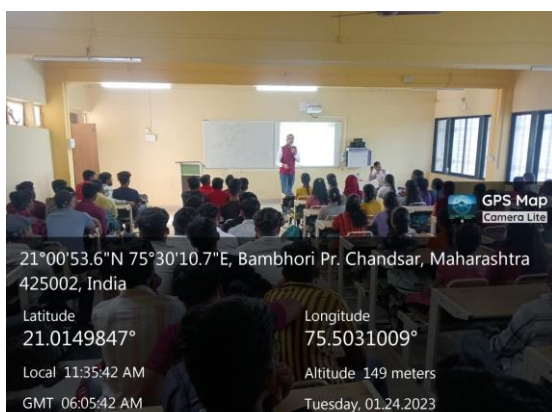
An engineer must be not only employable but must be employment creator also. Employment enhancement is a necessity in the present scenario.

Infosys is a major IT based company in India. The company took it as an initiative under Corporate Social Responsibility (CSR). They organized **Employability Enhancement Course** for the technical teachers. They included soft skills and aptitude in the course. Prof P A Shirule from civil engineering department attended this session at Pune. So he took an initiative to share his expertise with students. He arranged a work shop on the theme of Employability Enhancement. Ms Gauri Kale assisted him. The session was held on March 10, 2023.



### *Gate Counselling Session*

GATE is a bench mark for engineers now days. It is a pathway for post-graduation and compulsory for many government sector and private sector jobs. Considering this, department organized a one day session for the students of TE and SE on the theme How to Prepare for GATE examination. Imperial academy Pune associated with main branch Hyderabad visited college on Jan 24, 2023 and counselled the students regarding GATE and competitive examinations.



## Introductory Seminar on Civil Meet



*Er Hitesh Chaudhary operates a career guidance academy. He organized a seminar in the city of Jalgaon named as “Civil Meet”. The seminar was addressed by three eminent engineers:*

- 1. Er Saurabh Patil Structural Designer, Tall Structures,*
- 2. Er Mayur Jain, Contractor who holds a world record,*
- 3. Er Jaydeep Gade, a BIM modeller who modelled London Railways*

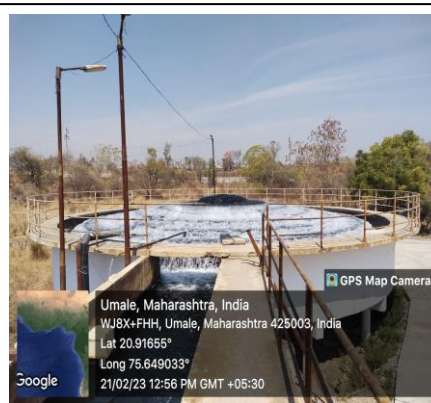
*Hitesh Chaudhary gave the basic guidance to students about career and motivated them to join the civil meet in city of Jalgaon. The event was organized on 26th of April 2023.*

## Site visit: Manmad



Steel Structures is an important component of syllabus in Third year civil engineering course named ‘Structural Engineering’. It includes design and analysis of several structural components. The railway workshop of Manmad is a suitable site where the students can see variety of steel structures at one place. The visit was held on Feb 7, 2023. It was coordinated by Prof Pankaj Punase the concerned subject teachers.

### Site visit Waghur Water Treatment Plant



### Site visit Waghur Sinner



### *Farewell Party in the Department*



**On APRIL 26, 2023,** the department organizes under its students association a Farewell party for outgoing students. It was coordinated by Prof F I Chavan and student volunteers. It included a formal session in the seminar Hall, followed by DJ at parking place near temple. Students enjoyed the event a lot. Teachers also shared the fun full moments.

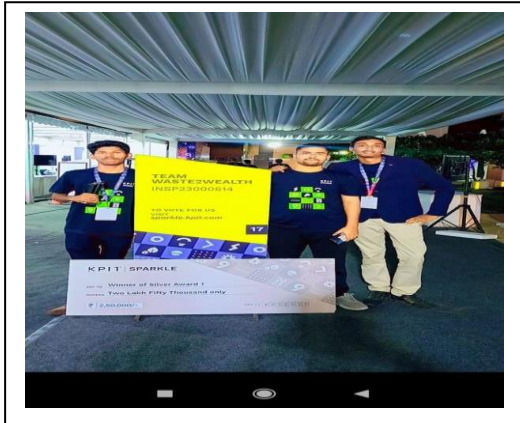
## Student placement data

Name of student placed and contact details	Name of the employer with contact details	Pay package at appointment in lacks per annum
Pankaj S. Patil	M/S Abhijeet Projects, Jalgaon. Contact No-9422276864	1.44
Rupesh C. Narkhede		1.44
Pallavi D. Patil		1.44
Utkarsha S. Wagh		1.44
Mahadev D. Rahane		1.44
Venkatesh S. Kabra		1.44
Kranti S. Patil	Eleation Services Pvt Ltd Pune Contact No-7720040021	0.96
Devendra K. Patil		0.96
Pankaj S. Patil	Twiceline services Pvt Ltd Pune	2.16
Rupesh C. Narkhede		2.16
Venkatesh S. Kabra		2.16
Manoj P. Jadhav		2.16
Akash C. Murai		2.16
Keshav R. Pawara		2.16
Hitendra S. Jain		2.16
Lokesh Salunkhe		2.16
Anuzar Khan		2.16
Abhishek Rajput		2.16
Kunal D. Patil		2.16
Sanket D. Patil	Shriram Finance Pvt Ltd Mumbai	2.16
Devendra K. Patil		2.16
Sanket D. Patil	SOPAN Pvt Ltd Pune	3



## Student Achievements

KPIT Sparkle is a prestigious National Level Project exhibition Competition. This year it was held on March 19, 2023. Mr Varad Vispute and Mr Vaishnav Patil, both Third Year Students participated in it. It was a group of five students including two students from Government College of Engineering Jalgaon and one from SPIT, Mumbai. The students won second prize with a cash of Rs 250000/-.



Ms Nayan Tayade of SE Civil participated in STHPATYA 2023 activity at MVPS's Karmaveer Adv. Baburao Ganpatrao Thakre, College of Engineering Nashik. She got Thrid Prize in Poster Presentation.

