



New Satara Samuh Mumbai's

# New Satara College of Engineering & Management (Polytechnic) Korti, Pandharpur

## News Letter VOL-2<sup>nd</sup>



Mr. V.M. Kumbhar

HOD's Desk

### EDITION

Jan 2022 - June 2022

Editor in Chief  
Mr. V. H. Londhe

Editor  
Ms. S. V. Kulkarni

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I am very happy to bring out the second issue of the Mechanical Engineering Departmental Newsletter. This newsletter outlines various activities that have taken place during the period of January to June, 2023 and the achievements of faculty and students. Various guest lectures and industrial visits are organized this semester to improve knowledge of the students. Pre-placement training is offered to the final year students to make them prepared for the job interviews. The Department of Mechanical Engineering is putting all efforts to ensure the overall progress of the students. Any suggestions for further improvement will be greatly appreciated.

### Vision

“To become a center of excellence in mechanical engineering for producing competent, creative, mechanical professionals to meet socio-technical challenges.”

### Mission

- To provide a platform to the students towards attaining quality education in Civil engineering.
- To sharpen the professional skills of our students & enable them to compete in the complex world by engaging in industry-institute interactions & various training programs.
- To educate students about professional, environmental & ethical responsibilities with leadership and entrepreneurship qualities for their career development.

## EXPERT LECTURES

Expert lecturers provide an important educational experience for students based on their real-world life experiences. Students get to see the insight and perspective of the guest lecturers' specific field. The format can enable students to interact with professionals in formal and informal settings.



**Guest lecture on Building planning & drawing by Mr. D.A raut sir**

On 23 May2022 we have arranged this guest lecture to Civil Engineering students by Mr. Raut D.A. sir on "Building Planning & Drawing". This lecture Detailed Drawing, construction,& Building Bye Laws.



**Guest lecture on Theory of Structure by Mr.S.R.pawar**

On 11 May2022 we have arranged this guest lecture to Civil Engineering students by Mr.S.R.Pawar sir on "Theory Of Structure". This lecture he gives knowledge about various reaction on beam & its effect,

## INDUSTRIAL VISIT

Industrial visits provide the students with an opportunity to learn practically through interaction, working methods and employment practices. It gives the students an exposure to current work practices as opposed to theoretical knowledge being taught at their college classrooms.



**Industrial visit to Waste water treatment plant**

On 13 April 2022 an industrial visit was organized by Civil Engg. to Waste Water Treatment Plant, Pandharpur for third year students as a part of curriculum. During this visits engineer gives the detailed information.

### **Industrial visit to railway station**

On 28 Febuary 2022 an industrial visit was



organized by Civil Engg. to Waste Water Treatment Plant, Pandharpur for third year students as a part of curriculum. During this visits engineer gives the detailed information

## **Program Outcome's (PO's)**

**PO1.** Basic and discipline specific knowledge: Apply knowledge of basic mathematics, science and engineering fundamentals and engineering specialization to solve the engineering problems.

**PO2.** Problem analysis: Identify and analyse well-defined engineering problems using codified standard methods.

**PO3.** Design/Development of solutions: Design solutions for well-defined technical problems and assist with the design of systems components or processes to meet specified needs.

**PO4.** Engineering tools, experimentation and testing: Apply modern engineering tools and appropriate technique to conduct standard tests and measurements.

**PO5.** Engineering practices for society, sustainability and environment: Apply appropriate technology in context of society, sustainability, environment and ethical practices

**PO6.** Project management: Use engineering management principles individually, as a team member or leader to manage projects and effectively communicate about well-defined engineering activities.

**PO7.** Life-long learning: An ability to analyse individual needs and engage in updating in the context of technological changes. effectively in the world of work.

## **Program Educational Objectives (PEO's)**

**PEO1.**Provide socially responsible environment friendly solution to Civil Engineering related broad based problems adapting professional ethics.

**PEO2.**Adopt state of the art Civil Engineering broad based technologies to work in multidisciplinary work environments.

**PEO3.**Solve Broad Based Problems individually and as a team member communicating effectively in the world of work.



IEEE Paper published on subject Concrete Self Compacting  
An Experimental Investigation by AICEAM publication  
- **Author name: MrS.B.Nirmal (MTech-CE)**

Department Of Mechanical Engineering		
Second year		
S. no	Name of student	Percentage
1	Priyanka Bajirao Sakhare	64.58
2	Akshay Shavaji Rupnar	63.91
Third Year		
3	Varsha Bharat Bhosale	85.56
4	Pratik Ashok Narale	77.89

## Editor's Desk

**Ms. S. V. Kulkarni**  
Lecturer in  
Civil Engineering Department



Hello Everyone!

We are pleased to share with you Newsletter Edition (Jan 2022 - Jun 2022) Vol- II of Civil Engineering Department. This edition includes the various Technical, Cultural events, Student & Staff achievements & technical article by faculty The editorial desk is thankful to all those who contributed to publish this edition successful.

## Green Building Technology and LEED Certification

**By:** [Narale Sangram], Diploma Civil Engineering

**Date:** June 2022

### Abstract:

Green buildings minimize environmental impact through energy-efficient designs and sustainable materials. LEED (Leadership in Energy and Environmental Design) certification is the global standard for eco-conscious construction. Green building technology and the LEED (Leadership in Energy and Environmental Design) certification system are revolutionizing the construction industry by promoting sustainable practices, energy efficiency, and environmental responsibility. These technologies and standards help reduce the environmental impact of buildings while improving occupant health and operational efficiency.

### Core Principles:

- Energy & water conservation
- Use of recycled materials
- Passive solar design
- Efficient HVAC systems

### Benefits:

- Lower carbon footprint
- Reduced utility bills
- Healthier indoor environments

### LEED Rating System:

- Certified
- Silver
- Gold
- Platinum

### Examples:

- Infosys campus, Mysore
- CII–Sohrabji Godrej Green Business Centre, Hyderabad

### Conclusion:

Green building is no longer optional—it's a necessity. Civil engineers play a pivotal role in designing sustainable futures.

