



New Satara Samuh Mumbai's

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

## News Letter VOL-II



**Mr. V.M.Kumbhar**  
Head Of Department

HOD's Desk

### EDITION

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Editor  
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I am very happy to bring out the first issue of the Civil Engineering Departmental Newsletter. This newsletter outlines various activities that have taken place during the period of January to April, 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 Civil Engineering is putting all efforts to ensure the overall progress of the students. Any suggestions for further improvement will be greatly appreciated.

### Vision

“To be a leader in the field of civil Engineering by imparting quality Based technical education to serve industry and society.”

### Mission

- To provide value based technical education in civil engineering.
- To train the student so enhance professional skills and competencies by Providing various training programs
- To mentor students in pursuit of higher education, entrepreneurship and global professionalism.

## 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 Solid Waste management by Ms.priyanka Padwale**

On 21 April 2023 we have arranged this guest lecture to Civil Engineering students by Ms.Priyanka Padwale on "Solid Waste Management ".This lecture covered knowledge about solid waste Management



**Guest Lecture on Estimating G Costing by Mr.C.R.Limkar**

On 19th October 2023 we have arranged this guest lecture to Civil Engineering students by Mr.C.R.Limkar. sir on "Estimating & Costing".This lecture covered Drawing& Detailed Process of Calculating Estimate & Its Application.

## 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 on Building Construction**

On 28 Feabuary 2023 an industrial visit was organized by department of Civil Eng. To Building Construction for Second & third year students as a part of curriculum. The visit was helpful to enhance the knowledge about the Building Construction .



**Industrial visit at Railway Station,Pandharpur**

On 28 Feabuary 2023 an industrial visit was organized by Civil Engg. Railway Station ,Pandharpur for Second & third year students as a part of curriculum. During this visit students get knowledge about railway .

## **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.

## 3D Printing in Construction: The Rise of Automated Building

**By:** [Jadhav Rohit], Diploma Civil Engineering

**Date:** April 2023

### Abstract:

3D printing in construction, also known as additive manufacturing, is disrupting traditional building methods by enabling faster, cost-effective, and eco-friendly construction.

### How It Works:

- Robotic arms deposit layers of concrete or composite materials based on digital models.
- Entire walls and even homes can be printed in days.

### Advantages:

- Reduced construction time
- Lower material waste
- Custom designs possible

### Global Examples:

- Dubai's 3D-printed office building
- Habitat for Humanity's 3D-printed houses in the US

### Challenges:

- Material limitations
- Regulatory barriers
- Initial cost of equipment

### Conclusion:

3D printing holds the potential to reshape how we build—especially in disaster zones or remote areas.





## Cultural Activities



**Swartarang 2K23**



**Shivjayanti**

## TECHNOSPECTRUM



## STUDENT ACHIEVEMENTS

### Department Of Civil Engineering

#### Second year

S. no	Name of student	Percentage
1	Sarak Ganesh Kshiling	85.47
2	Waghmmare Vishwajit Rajendra	81.41

#### Third Year

3	Rupnar Akshay Shavaji	76.32
4	Sakhare Priyanka Bajirao	76.05

## Editor's Desk

**Ms G. C. Kulkarni**

Lecturer in

Civil Engineering Department

Hello Everyone!



We are pleased to share with you Newsletter Edition (Jan 2023 – April 2023) Vol- II of Civil Engineering Department. This edition includes the various Technical, Cultural events, NSS activities, Student & Staff achievements & technical article by faculty. The editorial desk is thankful to all those who contributed to publish this edition successful.