

Mechanical Engineering :2023-24

Estd. Year 2008

Seats - 36

Institute Vision:

To become leading institute for imparting technical education in rural areas for fulfilling the needs of industry & society.

Institute Mission:

M1: To enhance technical knowledge of students by practical based education.

M2: To strive for good academic results & placements of diploma graduates

M3: To facilitate infrastructure for development of professional skills of students.

Mechanical Engineering Department

Vision: Become a center of excellence in mechanical engineering for producing competent, creative, mechanical Professionals to meets socio-technical challenges.

Mission:

M1: To provide a platform to the students towards attaining quality education in mechanical engineering.

M2: 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.

M3: To educate students about professional, environmental & ethical responsibilities with leadership and Entrepreneurial qualities for their career development.

Program Educatinal Objectives (PEO's):

PEO1: Provide socially responsible, environment friendly solutions to mechanical engineering related broad-Based problems adapting professional ethics.

PEO2: Adapt state-of-the-art mechanical engineering broad-based technologies to work in multidisciplinary Work environments & demonstrate strong communicative abilities in their professional career.

PEO3: Solve broad-based problems individually and as a team Member communicating effectively in the world work.

Program Specific Outcomes (PSO's):

PSO1: Modern Software Usage: Use Latest Mechanical Engineering Related Software's For Simple Design, Drafting, Manufacturing, Maintenance and Documentation of Mechanical Engineering Components and processes.

PSO2: Equipment And Instruments: Maintain Equipment And Instruments Related To Mechanical Engineering.

PSO3: Mechanical Engineering Processes: Manage Mechanical Engineering Processes By Selecting And Scheduling Relevant Equipment, Substrates, Quality Control Techniques, And Operational Parameters.

HOD's Desk:

It gives me immense pleasure to introduce our Mechanical Engineering Department. The Institute and department has increased the interaction with industry since many years in the form of consultancy services, training, sponsored projects. The department has a vision to become a Centre of excellence in the field of Mechanical Engineering. Departmental strength of highly qualified, experienced, and dedicated faculty along with creative students are working hard to achieve this goal. Department has prepared academic calendar which has a detailed academic as well as other activities schedule.

Our students participate in various co-curricular and extra-curricular activities at state and national level & won awards. Mechanical Engineering Department is well equipped with laboratories. The Department also has a well-equipped Mechanical Workshop for carrying out the practical training in Smithy, Carpentry, Welding, Fitting and Machining. The Mechanical Engineering Department is implementing the outcome based education at all the levels. 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.

Faculty Profile of Department



HOD
Name : Mr.V.V.Mali
Qualification: BE
Mechanical Department
Contact No:8329000615



Academic Coordinator
Name : Mr.V.N. Baad
Qualification: MBA
Mechanical Department
Contact No:9970020084



Senior Lecturer
Name : Mr.N.D.Hegade
Qualification: M.Tech
Mechanical Department
Contact No:8605068565



Name : Mr.S.R.Jaiswal
Qualification: BE
Mechanical Department
Contact No:9665187734



Name : Mr.O.R.Gaikwad
Qualification: BE
Mechanical Department
Contact No:7387869383



Name : Mr K.M.Kolawale
Qualification: BE
Mechanical Department
Contact No:7666605075



Name : Mr.B.B.Nanaware
Qualification: BA(English)
General Science
Contact No:7720031815



Name : Mr.I.B.Jadhav
Qualification:M.sc(Physics)
General Science
Contact No:9011556584



Name : Ms. S.P .Dhodmisl
Qualification: M.Sc(Chemistry)
General Science
8208221250

Proud Moment of Department

Inter Engineering Diploma Student's Sports Association (IEDSSA), State Level Shot Put received by Mechanical Engineering Department (23-24)



Ms. Gauri Tanaji Dhanawde, (Second Year Mechanical Engineering dept. Student received Award along with Sport Coordinator Ganesh Padwalkar

Achievements 2023-24

- ❖ **Academic Achievement- Two Toppers of Mechanical Engineering Dept.**



Mr. R. U. Aiwale
First Rank- 86.32 %



Mr. D. A. Ravalu
Second Rank- 85.05 %

- ❖ **Paper Publication by Faculty - 02**
- ❖ **Faculty Development Program (FDP) attended by Faculty - 01**
- ❖ **State Level Conference/ Seminar/Workshop by Faculty - 12**
- ❖ **State Level Faculty department Program organized (FDP) - 02**
- ❖ **Student Internship in Industry:- 1**
- ❖ **Students participated in Indoor games and awarded with Runner & Winner.**

Paper Publication (Year 2023-24)

Sr.	Name of Staff	Details of Paper Published	Name of Journal
1	Mr.V.V.Mali	Gesture Based Shopping Using Deep Learning For Physically Challenged person	International Journal od Advance Research and Innovative Ideas in Education
2	Mr.N.D.Hegade	IOT based Crop Yield Prediction & Fertilizer Suggestion.	International Journal od Advance Research and Innovative Ideas in Education

State Level FDP Organized by Department

Sr.	Name of FDP	Date	Duration	Resources Person
1	Artificial Intelligence & machine Learning	08/01/2024 To 12/01/2024	5 Days	Mr.S.A.Lakade HOD & Chief Coordinator AMP,Kolhapur



Program Conducted for Personality Development

Sr. No.	Name of Program	Name of Resource Person/Expert	Class	No. of Participants	Duration
1	“ Student Development Programme ”	Mr. Nanasahab Sathe (Mind Life & Welless Couch)	TYME And SYME	42	30/04/2023

Activity Report-1

Name of Activity organized:	Expert Lecture
Title of the Activity:	Student Development Programme
Date & Time of Activity organized:	30/04/2023 at 11:00 am
Place of the Activity:	Seminar Hall
No. of Participant (Students + Staff):	42+2
Details of speaker:	Mr. Nanasahab Sathe (Mind Life & Welless Couch)
Objective of the Activity:	The primary objective of a Mind, Life & Wellness Coach is to guide individuals towards enhanced mental, emotional, and physical well-being by fostering self-awareness, promoting positive behavioral changes, and helping clients achieve their personal and professional goals
Description :	Mind Life & Welless Couch is to bridge science and contemplative wisdom to create positive change, fostering insight and inspiring action toward individual and collective flourishing. This involves bringing together scientists, contemplatives, and changemakers to explore complex issues and develop practical solutions, with a focus on interconnection and the application of contemplative practices. The Institute also aims to promote compassion, integrity, curiosity, inclusion, and excellence.



Program Conducted for Expert Lecture

Sr. No.	Program Details	Name of Resource Person/Expert	Class	No. of Participants	Duration
1	Introduction to Robotics	Mr. Patil A.A Senior Manager TATA Motor PVT.LTD	TY	48	21/3/2024
	Velocity & Acceleration	Mr. Joshi L.D Lecture , at Sanjay Bhokare Group of Institute , Sangali	SY	31	05/3/2024
	Study of composite material	Mr. kharthode A.M Assistant prefessor VP , Baramati	SY	30	2 3/03/2024

Activity Report - 1

Name of Activity organized	Expert Lecture
Title of the Activity	Introduction to Robotics
Date & Time of Activity organized	21/3/2024 at 9:00 AM to 12.00 PM
Venue of the Activity	Class Room TY ME, New Satara polytechnic
No. of Participants	48
Name of Organization	Manager TATA Motor PVT.LTD
Resource Person	Mr. Patil A.A Senior



Activity Report - 2

Name of Activity organized	Expert Lecture
Title of the Activity	Study of composite material
Date & Time of Activity organized	3/03/2024 at 9:00 AM to 12.00 PM
Venue of the Activity	Class Room TY ME, New Satara polytechnic
No. of Participants	30
Name of Organization	Assistant profossor VP , Baramati
Resource Person	Mr. kharthode A.M



Activity Report - 3

Name of Activity organized	Expert Lecture
Title of the Activity	Velocity & Acceleration
Date & Time of Activity organized	05/3/2024 at 9:00 AM to 12.00 PM
Venue of the Activity	Class Room TY ME, New Satara polytechnic
No. of Participants	31
Name of Organization	Lecture , at Sanjay Bhokare Group of Institute , Sangali
Resource Person	Mr. Joshi L.D



Industrial Visits

Sr. No.	Name of Industry Visited	Visit Date	Class	No. of Students Visited
1	Adani Dahanu Thermal power station	17/02/2024	TYME SYME	29

Industrial Visit Report - 1

Name of Industry Visited	Adani Dahanu . Thermal power station
Date of Visit	17/02/2024
No. of Students & Faculty Visited (Students TY + Faculty)	TYME -15 \. SYME – 30 + 03 = 48
Objective of the Visit	The objective of this visit, which appears to be a field trip or educational tour, is to reinforce experiential and contextual learning, make real-world connections, and expose students to different lifestyles, places, and eras.
Description: The primary objective of the Adani Dahanu Thermal Power Station (ADTPS), a coal-based power plant, is to generate electricity for the grid, contributing to India's energy needs, while also focusing on sustainable operations and technological innovation	



SWARTARANG 2k24



Mechanical Department Editorial

Mr.V.V.Mali	HOD
Mr.S.R.Jaiswal	Lecturer
Mr. R. U. Aiwale	Student Representative



Editor Desk

Editor

Mr. S.R Jaisawal
Lecturer in
Mechanical Department

Welcome to the latest edition of the Mechanical Department newsletter! As we continue to push the boundaries of engineering and innovation, we are thrilled to bring you the most recent developments, achievements, and insights from our vibrant and dynamic team.

The mechanical field is ever-evolving, with technology progressing at an unprecedented rate. From cutting-edge designs and materials to revolutionary manufacturing techniques, mechanical engineers are at the heart of shaping the future of industries worldwide. Our department is proud to be at the forefront of these advancements, driven by a shared passion for problem-solving and a relentless pursuit of excellence.

This issue brings exciting updates on our recent projects, collaborations, and milestones. We'll also take a closer look at some of the groundbreaking work that is pushing the limits of mechanical design and manufacturing. Whether it's enhancing energy efficiency, developing automation systems, or advancing sustainable solutions, our department's impact on the world around us is undeniable.

Moreover, we are proud to highlight the exceptional work of our faculty and students, whose ingenuity and dedication continue to inspire and lead the way. This edition also offers insights into upcoming opportunities, workshops, and seminars designed to further your knowledge and skills in the ever-expanding field of mechanical engineering.