

Mechanical Engineering :2022-23

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 meet 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 Educational 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)
GeneralScience
Contact No:7720031815



Ms. S.P.Dhodmise
Qualification:M.sc(Physics)
GeneralScience
Contact No. 8208221250



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

Proud Moment of Department

Inter Engineering Diploma Student's Sports Association (IEDSSA), State Level Shot Put received by Mechanical Engineering Department (22-23)



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

Achievements 2022-23

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



Mr. Amol Mude
First Rank- 87 %



Mr. Omkar Iingire
Second Rank- 85.05 %

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

Paper Publication (Year 2022-23)

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 Faculty Development Program organized by department.

Sr. No	Name of FDP	Date	Duration in Days	Resource Person
1	Unlocking cognitive excellence for Education	23/04/2022 to 25/04/2022	03	Mr. Nanasaheb .M.Sathe



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. Nanasaheb Sathe (Mind Life & Welless Couch)	TYME And SYME	45	30/4/2023
2	“Student Development Programme	Mr. Babu D . Arkas & Mr . Shankar mane Managing Director ProAzure Software Solution Pvt. Ltd	TYME And SYME	50	10/04/2023 To 12/04/2023

Activity Report-1

Name of Activity organized:	Expert Lecture
Title of the Activity:	Personality Development
Date & Time of Activity organized:	30/4/2023
Place of the Activity:	Seminar Hall
No. of Participant (Students + Staff):	45+2
Details of speaker:	1- Mr. Nanasaheb 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	



Activity Report-2

Name of Activity organized:	Expert Lecture
Title of the Activity:	Personality Development
Date & Time of Activity organized:	10/04/2023 To 12/04/2023
Place of the Activity:	Seminar Hall
No. of Participant (Students + Staff):	50+2
Details of speaker:	Mr. Babu D . Arkas & Mr . Shankar mane Managing Director ProAzure Software Solution Pvt. Ltd
Objective of the Activity:	PROAZURE SOFTWARE SOLUTIONS PRIVATE LIMITED's Annual General Meeting (AGM) was last held on 30 Dec 2022. and as per records from Ministry of Corporate Affairs (MCA), its balance sheet was last filed on 2022-03-31.PROAZURE SOFTWARE SOLUTIONS PRIVATE LIMITED's NIC code is 7290 (which is part of its CIN). As per the NIC code, it is involved in Other computer related activities [for example maintenance of websites of other firms/ creation of multimedia presentations for other firms etc.].
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 Personality Development

Sr. No.	Program Details	Name of Resource Person/Expert	Class	No. of Participants	Duration
1	Velocity and Acceleration	Mr.Doiphode. Y.S. Quality Analyst Globallogic PVT.Ltd, Noida	SY	25	10/02/2023
	Turbines	Mr. Sapkal A.D.Sveris college of Engineering	TY	26	24/02/2023
	Linear Anguler Measuring Instruments	Mr . Mali.P.B.	SY	26	09/03/2023

Activity Report - 1

Name of Activity organized	Expert Lecture
Title of the Activity	Velocity and Acceleration
Date & Time of Activity organized	10/02/2023 at 9:00 AM to 12.00 PM
Venue of the Activity	Class Room TY ME, New Satara polytechnic
No. of Participants	25
Name of Organization	Quality Analyst Globallogic PVT.Ltd,Noida
Resource Person	Mr.Doiphode. Y.S.



Activity Report – 2

Name of Activity organized	Expert Lecture
Title of the Activity	Turbines
Date & Time of Activity organized	24/02/2023 at 9:00 AM to 12.00 PM
Venue of the Activity	Class Room TY ME, New Satara polytechnic
No. of Participants	26
Name of Organization	AC Sveris college of Engineering
Resource Person	Mr. Sapkal A.D



Activity Report – 3

Name of Activity organized	Expert Lecture
Title of the Activity	Linear Anguler Measuring Instruments
Date & Time of Activity organized	09/03/2023 at 9:00 AM to 12.00 PM
Venue of the Activity	Class Room TY ME, New Satara polytechnic
No. of Participants	26
Name of Organization	Senior Lecturer SKN College korti,Pandharpur
Resource Person	Mr . Mali.P.B.



Industrial Visits

Sr. No.	Name of Industry Visited	Visit Date	Class	No. of Students Visited
1	Shree refrigeration Pvt.Ltd	10/2/2023	TYME SYME	29

Industrial Visit Report - 1

Name of Industry Visited	Shree refrigeration Pvt.Ltd
Date of Visit	10/2/2023
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 Our company takes pride in contributing to the Atmanirbhar Bharat initiative by offering cost-effective HVAC (Heating, Ventilation, and Air Conditioning) and refrigeration solutions compared to foreign competitors. We have carved a niche for ourselves as a trusted name in defence manufacturing, providing top-notch products and services. As the second engineering company to receive registration from the navy for turnkey HVAC solutions, we have demonstrated our competence and dedication to meeting the specialized needs of the defence sector.	



Mechanical Department Editorial	
Mr .V.V. Mali	HOD
Mr.S.R.Jaiswal	Lecturer
Mr.A.S.Mude	Student Representative



Editor Desk

Editor

Mr. S.R Jaiswal
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.