

# NEWSLETTER

MECHANICAL  
ENGINEERING

2024-25

MAHADEVRAO WANDRE INSTITUTE OF TECHNOLOGY,  
TURKEWADI.



SURYAK 0

**MESSAGE FROM PRINCIPAL**

I am happy to note that the department of Mechanical Engineering has published its Newsletter. I appreciate the efforts taken by the editorial board in compiling useful information & activities by department. This clearly reveals that the department is trying to expand in all spheres of academics co-curricular and extra activities under the guidance of H.O.D.

## MESSAGE FROM H.O.D



From its establishment in 2016, the Mechanical Engineering program has always strived for excellence.

Department is always trying to equip its students with recent technologies. This is done through Industrial visits, Guest lectures, workshops and through routine teaching-learning activities.

Department always encourage students to participate curricular activities such as Project competitions, Paper Presentation competitions and by publishing Papers in reputed journals.

The presence of Student chapter 'MESA' and other professional societies have made the department distinct from other.



## MAHADEVRAO WANDRE INSTITUTE OF TECHNOLOGY

### VISION

To mold the students into capable engineers with aptitude for research and leadership to contribute effectively in contemporary technology development at global level with focus on rural community.

## DEPARTMENT OF MECHANICAL ENGINEERING

### VISION

Train the students with core competencies to face the challenges of industries with confidence by applying the state-of-art technologies to address Industrial and societal problems.

### MISSION

1. Inculcating best engineering skills, professional ethics and practices.
2. Providing strong foundations by adopting effective teaching learning methods.
3. To inculcate best laboratory skills by promoting in-house development activities.
4. Developing leadership qualities, effective soft skills, critical thinking and attitude of lifelong learning by organizing student centric activities.

### MISSION

To transform the rural learners into exceptional technocrats to meet the challenges in an ever changing global society, by imparting high quality education through

**M1:** Providing strong theoretical-practical engineering foundations and promoting In-house development activities.

**M2:** Inculcating best professional conduct and engineering skills.

**M3:** Developing leadership qualities, experience in interpersonal communication and inculcating ethics, critical thinking and attitude of lifelong learning.

## Program Educational Objectives (PEOs)

### PEO 1. Breadth of Knowledge:

Be capable of applying relevant skills of basic fundamentals, Engineering design, modeling, manufacturing, quality control and management learnt in the program to solve Engineering problems for their professional career.

### PEO 2. Professionalism:

Be able to develop the communication skills, professional personality and ethical values that will mould them into a good human beings, responsible citizens and competent professionals.

### PEO 3. Analytical Reasoning:

Prepare student by quality education through cutting edge methodology both in theory and practical to excel academically and hands on training to develop innovative spirit and entrepreneurial attitude.

### PEO 4. Lifelong learning:

Promote students to continue to pursue professional development, including continuing or advanced education relevant to the career growth and to create enthusiasm for lifelong learning.

**PROGRAMME OUTCOMES (PO'S)****a) Basic knowledge:**

An ability to apply knowledge of basic mathematics, science and engineering to solve the engineering problems.

**b) Discipline knowledge:**

An ability to apply discipline - specific knowledge to solve core and or applied engineering problems.

**c) Experiments and practice:**

An ability to plan and perform experiments and practices and to use the results to solve engineering problems.

**d) Engineering Tools:**

Apply appropriate technologies and tools with an understanding of the limitations.

**e) The engineer and society:**

Demonstrate knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to engineering practice.

**f) Environment and sustainability:**

Understand the impact of the engineering solutions in societal and environmental contexts, and demonstrate the knowledge and need for sustainable development.

**g) Ethics:**

Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

**h) Individual and team work:**

Function effectively as an individual, and as a member or leader in diverse/multidisciplinary teams.

**i) Communication:**

An ability to communicate effectively.

**j) Life-long learning:**

Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the context of technological changes.

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# INDEX

✚ Exam Toppers

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✚ Guest Lectures and Workshops

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✚ Industry Visits

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✚ Achievement of our students in IEDSSA

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✚ Editors Desk

**EXAM TOPPERS WINTER 2024****A) F.Y. :-**

| <b>Sr.No.</b> | <b>Name of the Student</b>     | <b>Marks(%)</b> |
|---------------|--------------------------------|-----------------|
| 01.           | MAYURESH NAMDEV<br>NANDVADEKAR | 78              |
| 02.           | DEVDAAS JANU ZORE              | 72              |
| 03.           | OMKAR PARAMOJE                 | 68              |

**B) S.Y. :-**

| <b>Sr.No.</b> | <b>Name of the Student</b> | <b>Marks(%)</b> |
|---------------|----------------------------|-----------------|
| 01.           | SARTHAK BHARMU PATIL       | 80              |
| 02.           | DATTATRAYN HANMANT PATIL   | 78              |
| 03.           | VAIBHAV MOHAN NANDVADEKAR  | 72              |

**C) T.Y. :-**

| <b>Sr.No.</b> | <b>Name of the Student</b> | <b>Marks(%)</b> |
|---------------|----------------------------|-----------------|
| 01.           | OM RAGHUNATH PATIL         | 79              |



## **EXPERT LECTURE**

The department conducted expert lectures in different fields to enhance the knowledge of the students in the topics beyond the syllabus.

1. Mr. Sandeep Patil
2. Mr. Rajshekhar Patil
3. Mr. Anirudh Dixit





# INDUSTRIAL VISIT

Industrial visits are arranged.

1. Bhushan Industries
2. Yash Engineering Works



# ACHIEVEMENT OF OUR STUDENTS IN IEDSSA KHO-KHO ZONAL (RUNNER UP)



## वांद्रे इन्स्टिट्यूटच्या विद्यार्थ्यांचे खो-खो मध्ये यश

प्रतिनिधी  
संस्था

इंटर इंजिनिअरींग विषयाचा स्टुडंट स्पोर्ट्स असेसिएशन महाराष्ट्र स्टेट अंतर्गत कोल्हापूर विभाग झोनाल टूर्नामेंटचे शरद इन्स्टिट्यूट ऑफ टेक्नोलॉजी (पॉलिटेक्निक) यमुना येथे खो-खो स्पर्धे आयोजन केलेले होते. यामध्ये तुळजाळी मधील पॉलिटेक्निकच्या विद्यार्थ्यांनी द्वितीय क्रमांक प्राप्त केला.

या स्पर्धेमध्ये कोल्हापूर, रायगिरी, सातारा, जिन्हाणील विविध पॉलिटेक्निक इंजिनिअरींग मधील एकूण १४ संघांनी सहभाग नोंदवला होता. या यशाबद्दल वीरतेजमध्ये



यमुना - येथे पारितोषिक स्वीकारताना महादेव वांद्रे इन्स्टिट्यूटचे विद्यार्थी.

गुणगौरव आयोजित करण्यात आला. संस्थापक महादेवराव वांद्रे यांनी सर्व खेळाडूंचे व प्रशिक्षकांचे अभिनंदन केले. सातत्य आणि खेळाच्या सरावातूनच उत्कृष्ट खेळाडू तयार

होतात, असे सांगितले. प्राचार्य एच. पी. भावडे यांनी परास्त्री खेळाडूंचे अभिनंदन करून शुभेच्छा दिल्या. या सत्कार कार्यक्रमासाठी प्रशिक्षक प्रा. सचिन कांबडे, प्रा. राज भोसले, बी.

एस. बोरुले, प्रा. एन. जे. कांबडे, श्रीमती एस. आर. देशपांडे, प्रा. जी. जी. प्रधान, प्रा. सुरेंद्रकांत कांबडे, प्रा. स्वप्निल सुतार, प्रा. शिफका कदम, प्रा. संकेत खोल उपस्थित होते.

**EDITORIAL BOARD**

**MR. OM PATIL**  
(TYME)

The three years of learning at MWIT, Turkewadi have been equivalent to several years of transition and evolvment. It was like a full life journey where gradually I grew from an ordinary school girl to a promising corporate professional.

**EDITORIAL DESK**

**MR. S. S. KAMBLE**  
(LECTURER)

It is a great pleasure to bring you the Newsletter. The current Newsletter highlights the activities and achievements of faculty, staff and students for the past year. The aim of this Newsletter is to circulate information about our department, and we hope that the readers find the issues informative and useful. I am thankful to the faculty staff and students for their valuable inputs and welcome suggestions and feedback.