



YASHODA TECHNICAL CAMPUS SATARA

Faculty of Engineering

Yashotechmech

TECHNICAL MAGAZINE

MECHANICAL ENGINEERING DEPARTMENT

Vol. 1 | Issue 1
(2026-27)

From
Ideas
to
Innovations

*Engineering a
Better Tomorrow*



DESIGN &
MANUFACTURING



THERMAL &
FLUIDS



AUTOMOTIVE
SYSTEMS



MECHATRONICS
& ROBOTICS



SUSTAINABLE
TECHNOLOGIES



RESEARCH &
INNOVATION

LEARN | EXPLORE | INNOVATE



YSPM's Yashoda Technical Campus, Satara

Mechanical Engineering Department

YASHO TECH MECH

Even Semester

2025-26

OVERVIEW OF THE DEPARTMENT

The Mechanical Engineering program leading to the bachelor's degree in Mechanical Engineering (B. Tech.) is having a structured curriculum that prepares students for a broad range of career choices in the different areas of Engineering. The Course is intended for students whose career objectives require greater flexibility. Mechanical Engineering deals with material selection, design and production of tools, machines, and all other Mechanical equipment to be used in industries. Our Department prepares the students who are the driving forces behind many of our technologies and industrial processes including innovative products.

The Mechanical Engineering Department has been accredited with institute level accreditation program by National Assessment and Accreditation Council (NAAC) with B+ grade.

Our Departmental faculties are specialized in areas like Thermal Engineering, Design, Materials and Manufacturing & CAD/CAM etc. Our Students have been recruited in many reputed organizations.

Strength of Department

- Good infrastructure.
- Well-equipped laboratories.
- Well-qualified and experienced teaching faculties.
- Departmental Library facility for students.
- Personal Monitoring of Students with the help of Guardian Faculty Members
- Good academic performance
- Good Campus Placement Record
- Faculty Retention

Vision of the Department

To be identified as a department with excellence in academics by synergism of teaching-learning, skill development and research.

Mission of the Department

M1 : To develop state of the art facilities to stimulate faculty, staff and students to create, analyze, apply and disseminate knowledge.

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Program Educational Objectives (PEOs)

PEO1 : Graduates should excel in engineering positions in industry and other organizations that emphasize design and implementation of engineering systems and devices.

PEO2 : Graduates should excel in best post-graduate engineering institutes, acquiring advanced degrees in engineering and related disciplines.

PEO3 : Alumni should establish a successful career in an engineering-related field and adapt to changing technologies.

PEO4 : Graduates are expected to continue personal development through professional study and self-learning.

PEO5 : Graduates should be good citizens and cultured human beings, with full appreciation of the importance of professional, ethical and societal responsibilities.

Program Specific Outcomes (PSOs)

PSO1 : Make the students employable in engineering industries.

PSO2 : Apply Modern tools and skills to develop an engineering knowledge.

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INSIDE

1. STUDENT ARTICLES

2. FACULTY ARTICLES

3. FACULTY STUDENT CORNER

4. Art Gallery

Contributors

Faculty Name

Prof. Rathod M L

Prof. Maner V B

Prof. Nimbalkar P P

Prof. Raut S K

Prof. Atpadkar A B

Prof. Shivade A S

Head of the Department
Dr. Tarang.R. Shinde

Student coordinators

Nishat Irshad Nadaf

Prerna Chetan Mane

Soham Sunil Salunkhe

Gaurav Jitendra Gaikwad

Radha Sachin Jangam

Atharv Vitthal Sawant

All
Students of
Department

Principal
Dr. Vikram.S. Patil

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ICFAMMT 2026

Dr. T. R. Shinde, Mr. V.B. Maner, and Mr. P. P. Nimbalkar from Department of Mechanical Engineering, presented papers at the 3rd International Conference on Futuristic Advancements in Materials, Manufacturing and Thermal Sciences (ICFAMMT-26), held at IITRAM, Ahmedabad, in association with IIT Roorkee and NIT Uttarakhand held from Jan 16 to Jan 18, 2026.



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2025-26

Internship / Research Training



Mr. Rathod M L Attended Internship Dr. B. R. Ambedkar Institute of Rural Technology and Management, Khadi and Village Industries Commission (KVIC), Trimbak Vidya Mandir, Nashik - 422213, Maharashtra from 12/01/2026 to 26/01/2026.

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Avishkar 2026 University Level Round



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Avishkar 2026 State Level Round

Mr. S. K. Raut from the Department of Mechanical Engineering, YTC Satara participated in Avishkar 2026 State Level Round, at Vasantryao Naik Krishi Vidyapeeth, Parbhani, held from January 27th to January 31st 2026 in the category of Agriculture and Animal Husbandry.



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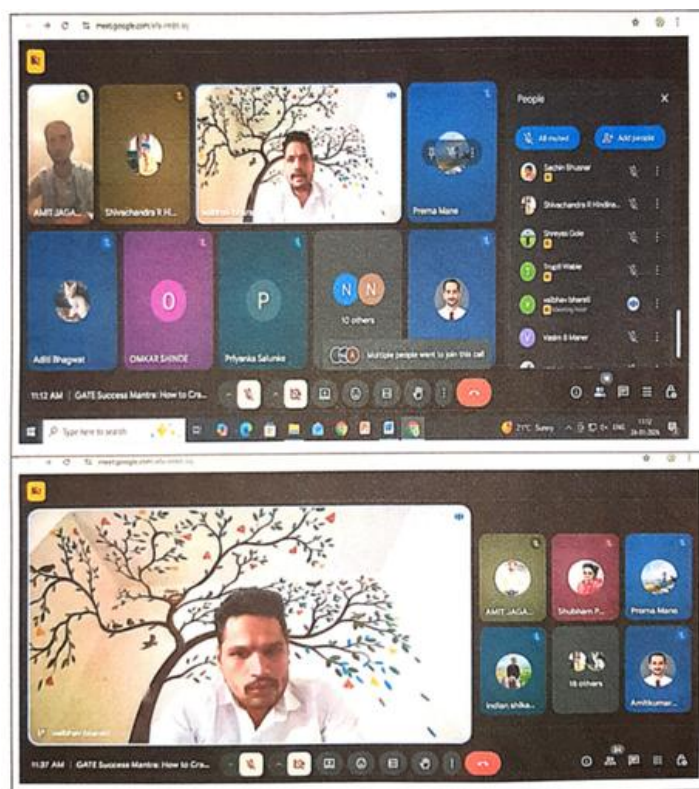
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Guidance for GATE Examination by YTC Aluminous

Mr. Vaibhav Bharati, Planning Engineer, Mazgaon Dock Shipbuilders Limited, Mumbai, an aluminous of the Department of Mechanical Engineering, Yashoda Technical Campus Satara, conducted an online session for the students of Mechanical Engineering regarding “how to crack the GATE examination” on January 24th 2026. The event was organized by Career Development Cell (CDC), Faculty of Engineering. The event was coordinated by Mr. A. H. Jagdale and Mr. A. B. Atpadkar, Assistant Professor in the Department of Mechanical Engineering, Yashoda Technical Campus Satara.



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2025-26

Internship Selection

Mr. Shreyash Gole, Mr. Raj Jadhav, Mr. Abhishek Shinde, Mr. Prajwal Borade and Mr. Omkar Shinde, Final Year Mechanical Students have been selected for stipendiary Internship at CIE India, Pune.

YASHODA GROUP OF INSTITUTES, SATARA
Founder-President Prof. Dasharath Sagare
Engineering | Polytechnic | Pharmacy | Architecture | Management

Congratulations

Proud Moment for Yashoda our Brilliant Students
Getting Placed at CIE Automotive India

Btech Mechanical engineering Batch 2026

SHREYAS GOLE
B.Tech
Mechanical Engineering

RAJ JADHAV
B.Tech
Mechanical Engineering

ABHISHEK SHINDE
B.Tech
Mechanical Engineering

PRAJWAL BORADE
B.Tech
Mechanical Engineering

OMKAR SHINDE
B.Tech
Mechanical Engineering

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AI in Manufacturing

Dr. T. R. Shinde, Mr. A.H. Jagdale attended one day workshop on AI in Manufacturing at Rajarambapu Institute of Technology, Ishwarpur, Dist Sangli on February 20th 2026.



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Mechanical Engineering Department



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Technology & Innovation Management

Mr. Raut Satish K. & Mr. JagdaleAmitkumar H. has participated in Online International Faculty Development Programme (e-FDP) on “Technology & Innovation Management” organized by Shree Santkrupa Institute of Engineering & Technology, Ghogaon, from 23rd Feb 2026 to 27th Feb 2026.



Certificate of Mr. Raut S. K



.Certificate of Mr. Jagdale A. H.

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Newsletter - March 2026

1. All the students from the Department of Mechanical Engineering actively participated in the Annual Sports Event organized by Yashoda Technical Campus, Satara, held from 2nd March to 7th March 2026.



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2025-26

Newsletter - March 2026

2. Ms. Riya Shirke from TY Mechanical secured the winner's position in shot put.



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Newsletter - March 2026

3. Prof. A. H. Jagadale from mechanical department has participated in the One Week Faculty Development Program on "Hybrid AI & Human Centric Security Approaches" organized by the Department of Information Technology, DYPCOE Akurdi, Pune, 411044 from Monday, 23rd March 2026 to Saturday, 28th March 2026 in Online Mode.



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Rotarex 2026

Mr. Gaurav Gaikwad, Mr. Nishat Nadaf and Mr. Dyaneshwar Shendage of TY Mech. secured first consolation prize in Mechanical and Industry 4.0 category, at Rotarex 2026 State Level Project Exhibition held at YTC, Satara on April 3rd 2026.



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Vision of the Department

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Mechanical Engineering Department

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Even Semester

2025-26

Session on Solid Works & GD &T

Mr. Siddharth Raut, Design Engineers, LM Tools, Pune conducted One Day Hands-on Training on Solid-Works - Application of GD&T for Third Year Mechanical Students at YTC Satara on April 2nd 2026.





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IIM Expert Session

Dr. T. R. Shinde, Associate Professor and Head of the Department of Mechanical Engineering deliver a session on Tool Steels: Microstructure and response to Heat Treatment, organized by COEP Technological University Pune in association with Indian Institute of Metals Pune Chapter, at Hotel Coronet, Pune on April 24th 2026.



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Even Semester

2025-26

Industrial Visits

TY Mechanical students visited Nivan Motors, Satara to witness the working details of Internal Combustion Engine as a part of curricular activity. The visit was coordinated by Mr. A. B. Atpadkar, Mr. V. B. Maner.





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Industrial Visits

S.Y. & T.Y. Mechanical Engineering students visited Phadtare Industries, Satara on 29/04/2026 to observe the practical applications of Fluid Mechanics and Energy Conservation & Management subjects in industrial systems as a part of Continuous Assessment activity. The visit was coordinated by Mr. Raut S. K. and Mr. A. H. Jagdale.



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Vision of the Department

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2025-26

Expert Lecture on Boundary Layer Theory

The Department of Mechanical Engineering, YSPM's Yashoda Technical Campus, Satara, organized an online Expert Lecture on "Boundary Layer Theory" under the subject Fluid Mechanics on 27th May 2026 for Second Year Mechanical Engineering students. The session was delivered by Dr. A. M. Shaikh, from Karmaveer Bhaurao Patil College of Engineering, Satara. The session was highly informative, interactive, and well appreciated by the participants. The program was coordinated by Mr. Raut S. K. under the guidance of the Head of the Mechanical Engineering Department.



Expert Lecture on Boundary Layer Theory by Dr. A. M. Shaikh



YSPM's Yashoda Technical Campus, Satara

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Industrial Visit to Babasaheb Industries

The Department of Mechanical Engineering organized an industrial visit to Babasaheb Industries, Tasawade, Dist.: Satara on 25 May 2026 for SY Mechanical Engineering students under the subject Production Process. The visit was coordinated by Mr. A. H. Jagadale. Students gained practical exposure to manufacturing processes, industrial operations, and production techniques, enhancing their practical understanding of the subject.



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2025-26

Visit to National Institute of Technology Karnataka (NITK), Surathkal

On 18-19 June 2026, a delegation from Yashoda Technical Campus, Satara, led by the Director, Dr. Vikram S. Patil, along with Heads of Departments, visited the National Institute of Technology Karnataka (NITK), Surathkal, to study its academic excellence, research ecosystem, innovation practices, industry collaborations, and institutional best practices. The team comprised of Dr. S. V. Balshetwar, Head of Department of Computer Science & Engineering, Dr. T. R. Shinde, Head of Department of Mechanical Engineering, Dr. A. U. Mohite, Head of Department of Electronics and Telecommunications, Dr. S. S. Nalawade Head of Department of Artificial Intelligence and Data Science.





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Visit to Srinivas University, Mangaluru, Karnataka

On 18 June 2026, a delegation from Yashoda Technical Campus, Satara, led by the Director, Dr. Vikram S. Patil, along with faculty members, visited Srinivas University, Mangaluru, to collaborate for Academic and Research activities.

The visit aimed to strengthen academic cooperation, explore opportunities for research collaboration, and understand innovative teaching-learning methodologies adopted by Srinivas University.

The delegation comprised of Dr. S. V. Balshetwar, Head of the Department of Computer Science & Engineering, Dr. T. R. Shinde, Head of the Department of Mechanical Engineering, Dr. A. U. Mohite, Head of the Department of Electronics and Telecommunications, Dr. S. S. Nalawade, Head of the Department of Artificial Intelligence and Data Science.



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YAASHO TECH MECH | EVEN SEMESTER 2025–26



STUDENT SLOGAN

***“Dream Big, Learn Continuously,
and Build a Better Tomorrow.”***

Student Name

Radha Sachin Jangam

“Innovation • Skill • Excellence”

WE ARE GEARS OF TOMORROW