MECHANICAL ENGINEERING DEPARTMENT

YASHO TECH MECH

WE ARE GEARS OF TOMORROW

YSPM

Vol. 1 | Issue 1

Even Sem 2023-2024

YSPM's Yashoda Technical Campus, Satara
Mechanical Engineering Department

YASHO TECH MECH

Even Semester 2023-24

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.

M2 : To hone employability and entrepreneurship skills of the students through industry-institute interaction.

M3 : To create an environment for the students to excel in mechanical engineering field, engage in research and development activity and participate in professional activities.

M4 : To develop an ability to use techniques, skills, modern software and machine tools necessary in the practice of Mechanical Engineering Profession.

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 : Motivate the students for higher studies and research.

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INSIDE

1.STUDENTARTICLES

2.FACULTYARTICLES

3.FACULTYSTUDENTCORNER

4.ArtGallery

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

All Students of Department

Student coordinaters

1) Sakate Shivraj Mohan

2) Kunal Nandkumar Bagade

3) Kori Sachin Raju

4) Shinde Maheshwari B

5) Raut Siddharth Ananda

6) Patil Swapnil Suryakant

Head of the Department
Dr.Tarang Shinde

Principal
Prof. Dr. D. S. Badkar

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A GUEST LECTURE WAS ARRANGED ON "SCOPE OF MECHANICAL ENGINEERS IN ALUMINIUM CASTING SECTOR.

A guest lecture was arranged on "Scope of Mechanical Engineers in Aluminium Casting Sector" by Mr. Rajesh Aggarwal, Techsense Engineering Services, Pune and motivational speaker Mr. Vijay Nawale by Mechanical Engineering Students Association (MESA) on January 24th 2024.

TY Mech BTech students Swapnil Patil and Siddharth Raut have secured third rank in AQUEST Quiz Competition organised by ISHRAE Kolhapur Chapter, held at DoT, Shivaji University Kolhapur, under the Guidance of Prof. S. K. Raut, (Mech. Degree.)

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Odd Semester 2023-24

CAMPUS PLACEMENT DRIVE WAS ORGANIZED BY TRAINING & PLACEMENT OFFICE FOR SPARK INDUSTRIES LTD AND GPRO DRIVES, SATARA 7 FEBRUARY 2024

Campus placement drive was organized by Training and Placement office for Spark Ltd. And Gpro Drives, Satara. Two students were shortlisted for Spark Ltd. And four students were shortlisted for GPro Drives Ltd. From Final year Mechanical Engineering

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DESIGNTECH SOLUTIONS HAS CONDUCTED A TRAINGING PROGRAM ON MODELING SOFTWARE SOLIDWORKS 2023 SATARA

Designtech Solutions has conducted a training program on modeling software SolidWorks 2023 for second year and third year Mechanical Engineering degree students in the institute Mr. Mahesh Sathe from Designtech Solutions conducted the hands on training for students for SolidWorks 2023 and Geometric Dimensioning and Tolerances (GD &T). Prof. V. B. Maner and Prof. A. B. Atpadkar coordinated the activity.

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WORKSHOP ON INTELLECTUAL PROPERTY RIGHTS

On April 1st 2024, a Workshop was conducted in Mechanical Seminar Hall, Department of Mechanical Engineering, Faculty of Engineering Yashoda Technical Campus, Satara on Intellectual Property Rights. The workshop was conducted by MyCrave Consultancy Services. The workshop was divided in three sessions based on Patents, Copyrights and Trademarks, aimed to provide participants with insights into the filing process, including its importance, requirements, and practical aspects.

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INDUSTRIAL VISIT GPRO DRIVES. CHAUGULE INDUSTRIES AND Dhanashree industries Satara SATARA

On April 25, 2024, Third Year Mechanical had an opportunity to visit GPRO Drives and Chaugule Industries, Satara under Machine Design-II and Internal Combustion Engine subjects, located in Additional MIDC Satara. GPRO Drive specializes in the production of a wide range of industrial gear systems, including Industrial Gearbox, Planetary Gearbox, Worm Planetary Gearbox, Bevel Planetary Gearbox, Creep Drive, Track Drive, Winch Drive, Electric Winch, Hydraulic Winch, and Screw Jack. Second Year Mechanical Engineering students visited Dhanashree Industries (A subsidiary of Mutha Founders, Satara) to experience Metal Casting Process.

Gpro Drives

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Chaugule Industries

Dhanashree industries Satara

Successfully Completed for the SWAYAM / NPTEL courses in 2022-23.

The following students were registered, attended and Successfully Completed for the SWAYAM / NPTEL courses in 2023-24.

Course Name: Fundamentals of Automotive System
Course Code: BTMEC801A Duration:Jan-Apr 2024

Student Name

1. Jadhav Ranjit Maruti
2. Kunal Nandkumar Bagade
3. Gaikwad Sourabh Sanjay
4. Kori Sachin Raju

Course Name: Non-conventional energy Resources
Course Code: BTMEC801F Duration:Jan-Apr 2024

Student Name

1. Pawar Deep Ashwin J

YSPM's Yashoda Technical Campus, Satara
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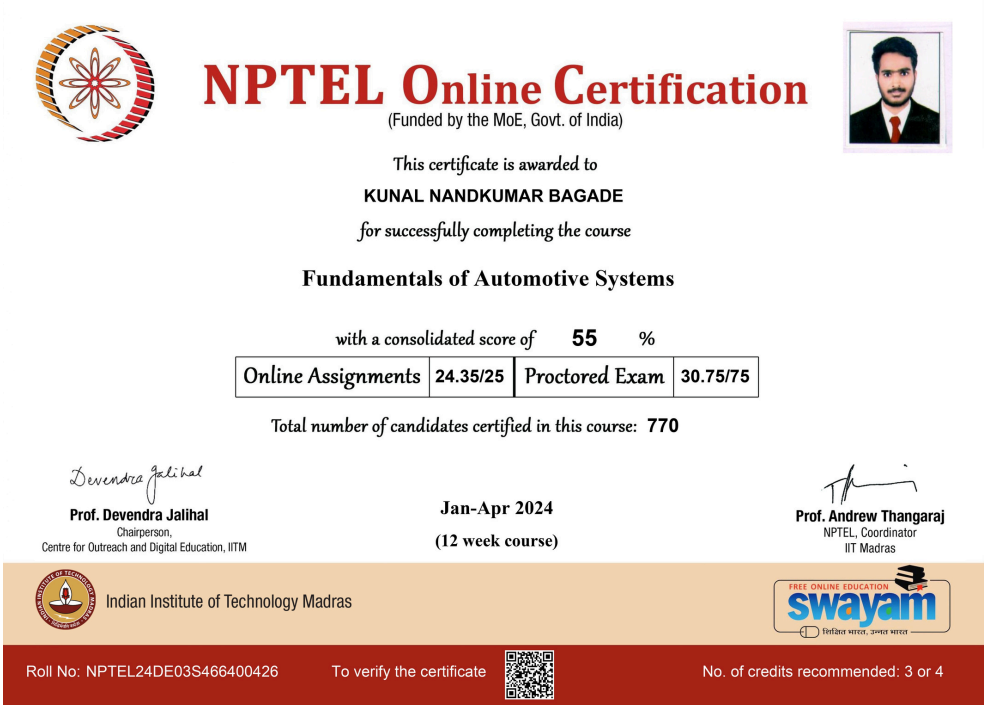
Successfully Completed SWAYAM / NPTEL Sample certificate.



NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to
KUNAL NANDKUMAR BAGADE
for successfully completing the course

Fundamentals of Automotive Systems

with a consolidated score of 55 %

Online Assignments	24.35/25	Proctored Exam	30.75/75

Total number of candidates certified in this course: 770

Prof. Devendra Jalihal
Chairperson,
Centre for Outreach and Digital Education, IITM

Jan-Apr 2024
(12 week course)

Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras

Indian Institute of Technology Madras

Roll No: NPTEL24DE03S466400426 To verify the certificate No. of credits recommended: 3 or 4