ACADEMIC YEAR 2024-25 ,
ODD SEMESTER

MECHANICAL ENGINEERING

YASHODA TECHNICAL CAMPUS
FACULTY OF POLYTECHNIC
DEPARTMENT OF MRCHANICAL ENGINEERING
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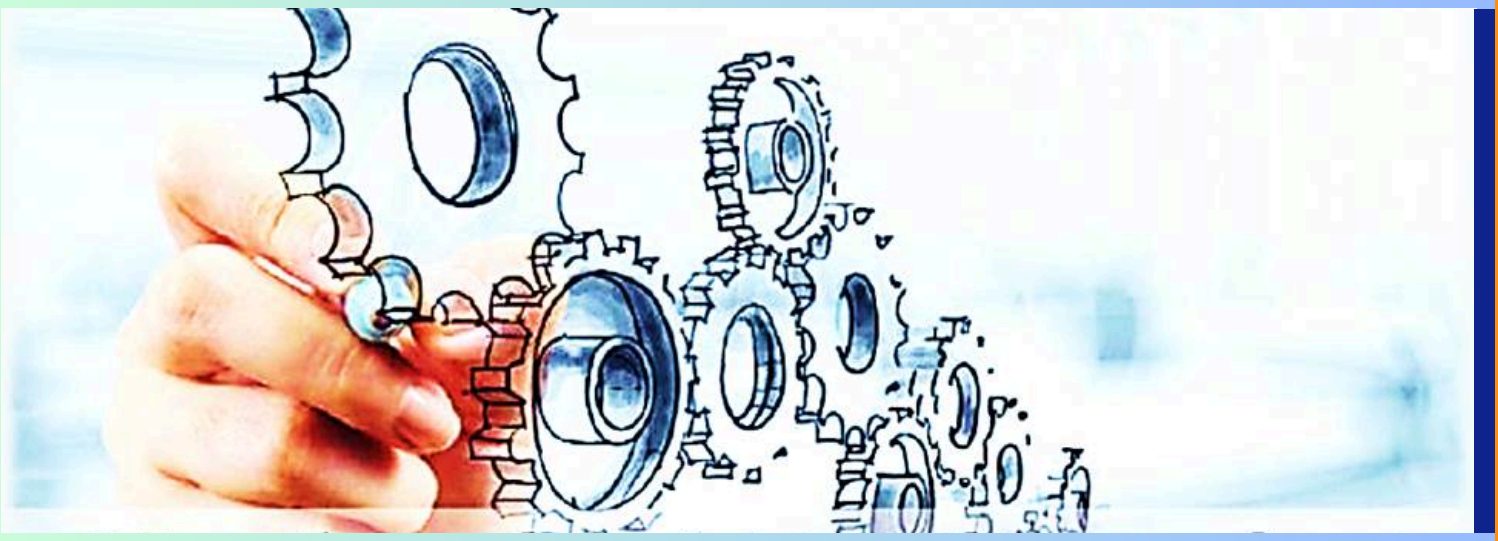
NEWSLETTER



YASHODA TECHNICAL CAMPUS
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DEPARTMENT OF MECHANICAL ENGINEERING

5th September 2024

Teacher's Day Celebration

Department of Mechanical Engineering (Polytechnic) celebrated a Teacher's Day in the Department on 5th September 2024 for the all students of department.

Teachers' Day is celebrated annually to honor the contributions of teachers and educators in shaping the future of students.

This year, our department organized a vibrant celebration that brought together students, teachers to express gratitude and appreciation.

For this activity the chief Guest was Mr. R. S. Khandekar, Head, Department of General Science & Humanities, YTC Satara have shared their valuable thoughts.

14th September 2024

Engineer’s Day Celebration

Department of Mechanical Engineering (Polytechnic) celebrated a Engineer’s Day in the Department on 14th September 2024 for the all students of department.
Engineers' Day is celebrated to honor the contributions of engineers in building and shaping our modern world. This year, our department organized an engaging event to recognize the achievements of engineers and inspire students to pursue careers in engineering.

Activities Overview

The celebration commenced at 11:30 AM onwards and featured a variety of activities designed to educate and entertain students while celebrating the engineering profession.
On the occasion of engineer’s day department has arranged the different technical events like Junk Yard and CAD Master. This activity was coordinated by Mr. Y. J. Potdar. The Engineers' Day celebration was a great success, providing a platform for students to appreciate the field of engineering. The event not only celebrated engineers' contributions but also inspired the next generation to think critically and innovate.

20th September 2024

Industrial Visit at “ Radha Krishna Cold Storage Utkarsh Transmission Pvt Ltd. Satara

Department of Mechanical Engineering (Polytechnic) conducted industrial visit at Radha Krishna Cold Storage and Utkarsh Transmission Pvt Ltd Satara on 20th September 2024 for the all students of department.

An industrial visit was organized for Mechanical engineering department students to provide practical insights into the manufacturing processes and operations of a real-world facility. The visit aimed to bridge the gap between theoretical knowledge and industry practice

The industrial visit was a valuable experience that provided students with firsthand knowledge of manufacturing operations. The insights gained will enhance their understanding of engineering applications in the real world.

28th September 2024

Parent Meet

The Parent-Teacher Meeting (PTM) was held to foster communication between parents and teachers, providing an opportunity to discuss student progress, department policies, and collaborative efforts to enhance the educational experience.

Objectives

To update parents on their students academic performance and behavior.
To discuss department initiatives and upcoming events.
To strengthen the partnership between parents and the department community.

Meeting Overview

The meeting commenced at 11:00 AM and lasted until 12:00 PM, with a turnout of approximately 75% of parents.

The Parent-Teacher Meeting was a constructive platform for discussing student progress and strengthening the department community. The active participation of parents demonstrated their commitment to their students education.

2nd October 2024

Swachh Abhiyan

Department of Mechanical Engineering (Polytechnic) conducted Swachh Abhiyan on 2nd October 2024 for this Activity the all students and faculty members of department were present and actively participated. Aimed at improving sanitation, hygiene, and waste management. The mission is one of the largest cleanliness drives globally, involving millions of volunteers, organizations, and local communities in efforts to create a cleaner and healthier environment in the department.

Objectives:

The primary objectives of Swachh Bharat Abhiyan include:

Improving solid waste management: The campaign focuses on setting up waste management systems, promoting waste segregation at the source, and supporting recycling and waste-to-energy projects.

Awareness and behavioral change: Through extensive outreach and education, the mission encourages people to adopt cleaner practices and be responsible for maintaining hygiene and sanitation.

Cleaner public spaces: Cleaning and maintaining department spaces like classroom, laboratories, faculty cabin to make department more livable.

The Swachh Bharat Abhiyan has made significant strides in sanitation and hygiene, but to ensure its long-term success, ongoing efforts are needed to maintain and upgrade infrastructure, promote waste reduction practices, and encourage community participation.

11th October 2024

Student Development Program on “Automotive Plastic Product Design”

The Student Development Program (SDP) on “Automotive Plastic Product Design” was organised by department of Mechanical Engineering, Faculty of Polytechnic, YTC Satara on 11th October, 2024. Mr Mahesh Shinde, Tech Lead, Automotive Trims, pune was the resource person for this SDP.

Objectives:-

- To upgrade the knowledge regarding Automotive product in industry.
- To understand the design consideration in automotive plastic product design.
- To know about various job opportunities in Automotive Plastic Sector.

The Student Development Program (SDP) on “Automotive Plastic Product Design” was organized to provide students with insights into the evolving role of plastic materials in the automotive industry and to develop their skills in designing automotive components using plastics. The program aimed to familiarize participants with industry standards, design methodologies, and the technical aspects of using plastics in product design, ultimately preparing them for careers in automotive design and manufacturing. The SDP coordinator Mr. S. J. Patil, HOD, Mr. R. H. Basugade and all faculty members were present for this program.

Program Structure

The SDP was structured as a series of interactive sessions combining lectures, demonstrations, and hands-on workshops. Key topics included:

Introduction to Automotive Plastics: Overview of common plastics like polypropylene, ABS, polycarbonate, and others used in automotive interiors, exteriors, and under-the-hood applications.

Material Selection and Design Considerations: Exploring factors like durability, weight, cost-effectiveness, and heat resistance in choosing materials for various automotive parts.

CAD and 3D Modeling: Training sessions on CAD software (such as CATIA or SolidWorks) to model and simulate plastic components.

Manufacturing and Testing: Insight into processes like injection molding and thermoforming, as well as testing methods for quality assurance.

Sustainability in Automotive Plastics: Discussions on recyclable and biodegradable plastics, and the role of sustainable design in the automotive industry.

11th October 2024

Inauguration of Mechanical Engineering Student Association (MESA) AY 2024-25

The inauguration ceremony of the Mechanical Engineering Student Association (MESA) for the Academic Year 2024-25 was held on 11th October, 2024 at Department of Mechanical Engineering, Faculty of Polytechnic, YTC Satara. The event marked the beginning of a new term for the association, aimed at fostering professional growth, technical knowledge, and leadership skills among mechanical engineering students. With a fresh set of objectives, MESA 2024-25 is dedicated to enhancing student engagement, facilitating industry exposure, and organizing technical activities that align with the latest trends in mechanical engineering.

Objective of MESA:

The Mechanical Engineering Student Association serves as a platform for students to:

1. Promote Skill Development: Organize workshops, seminars, and certification programs to equip students with technical skills beyond the curriculum.
2. Encourage Industry Interaction: Facilitate interactions with industry experts through guest lectures, industry visits, and mentorship programs.
3. Enhance Research and Innovation: Inspire students to engage in innovative projects, competitions, and research initiatives.
4. Foster Leadership and Teamwork: Encourage students to take on leadership roles within MESA and coordinate events to develop project management and teamwork skills.

The inauguration was attended by faculty members, invited guests from the industry, and students. The ceremony was presided over by Mr. R. H. Basugade, Head of the Department (HoD) of Mechanical Engineering, and the Chief Guest was Mr. Mahesh Shinde an eminent figure in the mechanical engineering industry.

23rd October 2024

Spark 2K 24" A state Level Technical Competition

"Spark 2K24" was a state-level technical competition held on 23rd October 2024 at Department of Mechanical Engineering, Faculty of Polytechnic, YTC Satara organized to bring together engineering students from various institutions across the state. The event aimed to foster innovation, encourage technical skills, and promote teamwork among students from diverse technical backgrounds. With multiple events and contests focused on problem-solving, design, and engineering skills, Spark 2K24 provided a platform for participants to showcase their technical knowledge and creativity.

Objective of Spark 2K24:

The primary objectives of Spark 2K24 were:

Encourage Technical Excellence: Provide students with an opportunity to apply theoretical knowledge to practical problems in a competitive environment.

Promote Innovation and Creativity: Challenge students to develop innovative solutions for real-world issues using engineering principles.

Enhance Teamwork and Communication: Encourage collaborative problem-solving and effective communication within teams. Provide Industry Exposure: Connect students with industry experts who served as judges and mentors, bridging the gap between academic learning and industry expectations.

Competition Structure

Spark 2K24 featured a variety of technical events and contests, catering to different disciplines within engineering. The major competitions included:

CAD Master: A contest where participants demonstrated their skills in CAD software by creating 3D models and engineering drawings of mechanical components.

Technical Quiz Competition: A quiz covering core engineering subjects, recent technological trends, and general science to test participants' knowledge and quick-thinking skills.

Technical Paper Presentation: A Technical Paper Presentation covering core engineering subjects, recent technological trends, and general science to test participants knowledge.

More than 300 students have been participated for this event from various institutes of Satara district.