



॥ ज्ञान, विज्ञान आणि सुसंस्कार यांसाठी शिक्षण प्रसार ॥ - शिक्षणमहर्षी डॉ. बापूजी साळुंखे

Shri Swami Vivekanand Shikshan Sanstha's

Dr. Bapuji Salunkhe Institute of Engineering & Technology, Kolhapur

Approved by AICTE, DTE - D6468, Affiliated to MSBTE - 1213 (1st Shift), 1693 (2nd Shift)



Department
of

Mechanical
Engineering

Newsletter 2022-23

1. Vision Mission

2. PEOs

3. Committee

a. Chief Editor (HoD) – Mr. A. R. Nadaf

b. Executive Editor – Ms. B. M. More

c. Faculty Member –

1. Mrs. P. T. Pansare

2. Mr. B. B. Patil

d. Student Members -

1. Mr. Shinde Omkar Mukund

2. Mr. Mirajkar Ayush Atul

Chief Editor's Desk:-

The Mechanical Engineering Department established in 2010 has intake of 60 students. Mechanical Engineering is one of the major streams in the engineering profession and its principles are involved in the design, development, production and construction of nearly all of the physical devices and systems. Mechanical engineers use the basic principles of motion, energy, and force to design and manufacture a vast-range of products. Mechanical Engineering is a creative profession in which students are trained to conceive, construct, test, and operate all kinds of mechanical, thermal, and biomedical devices.

The Department along with well-equipped teaching staff also has well established Machine shop & Workshop, CNC Lab, Fluid Mechanics & Machinery Lab, Thermal Engineering Lab, Theory of Machine Lab, Manufacturing process Lab, Mechanical Engineering Materials Lab, Metrology & Quality Control Lab, Industrial Fluid Power Lab, along with the Academic development, various activities are organized to develop soft skills of the students such as Paper Presentation, Industrial Visits and Expert Lectures etc.

The Mechanical Engineering Department at BSIET Polytechnic aims to create high-caliber mechanical engineers for a demanding profession which helps them to learn how to design and conduct experiments and to collect, analyze, and interpret data.

Mr. A. R. Nadaf

Vision:

- To develop competent technocrats by providing quality education for the betterment of society.

Mission:

- To inculcate theoretical as well as practical knowledge in students.
- Foster relationship between industry and institute for the benefit of all stake holders.
- Facilitating and encouraging students for continuing education and moulding them for life-long learning.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

- **PEO1:** Use of mechanical engineering skills to work in multi-disciplinary work environment.
- **PEO2:** Analyze, design and develop new engineering technologies to become an entrepreneur.
- **PEO3:** Contribute in technological, economic and social development of the society.

PROGRAM SPECIFIC OUTCOMES (PSOs)

- **PSO1:** Manufacturing processes and system design- Apply the knowledge of mechanical engineering in the field of manufacturing processes and system design.
- **PSO2:** Machine tools and instruments- Operate and maintain the machine tools and instruments.

Academic Achievements

MSBTE RESULT SUMMER 2023

Class	Rank	Name	Percentage
FY	FIRST	SURYAVANSHI SOHAM SATISH	79.73
	SECOND	PATIL KRISH UMESH	82.13
	THIRD	VARNE RIDDHI SHITALNATH	82.00
SY	FIRST	VEDANTE ABHISHEK RAVINDRA	85.63
	SECOND	MIRAJKAR AYUSH ATUL	83.38
	THIRD	PANHALKAR YASH MADHAV	77.63
TY	FIRST	SHINDE OMKAR MUKUND	80.00
	SECOND	JADHAV GANESH VIJAY	76.00
	THIRD	YUSUF IRFAN PATWA	75.00

Co-Curricular Achievements:

02 students got 1st rank in '**ISO ORTHO STATE LEVEL TECHNICAL EVENT' 2023** in Dr. D.Y. Patil technical Campus, Talsande

- Warang Vivek Vasant
- Shinde Gaurav Ganpati

02 students got 2nd rank in '**ISO ORTHO STATE LEVEL TECHNICAL EVENT' 2023** in Dr. D.Y. Patil technical Campus, Talsande

- Shiradwade Piyush Vijay
- Shirwade Sairaj Bharat

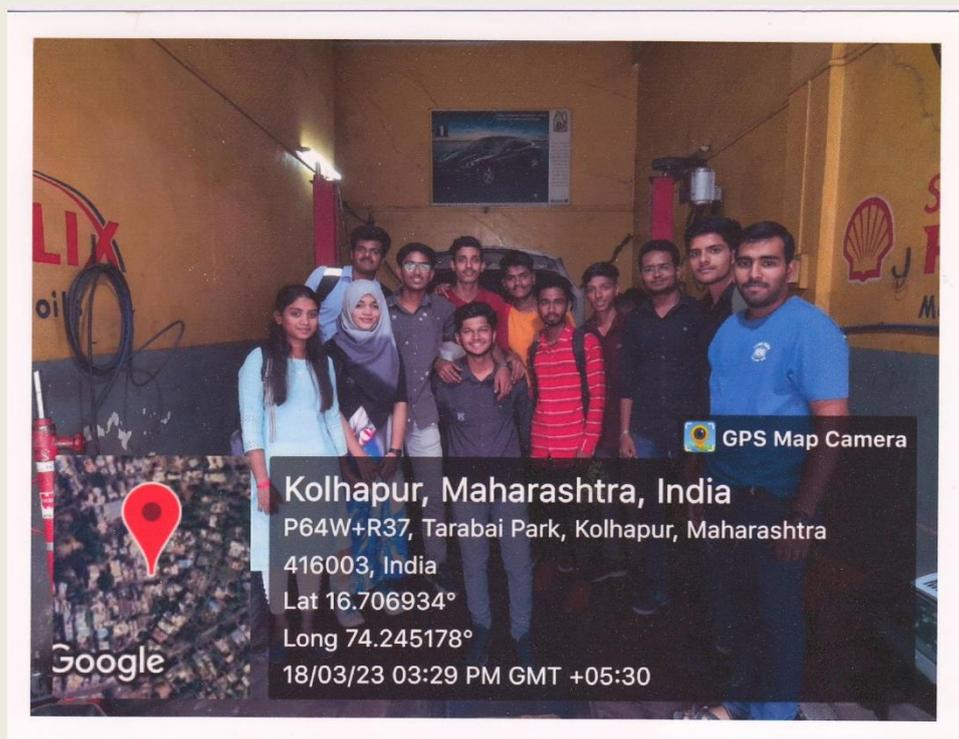
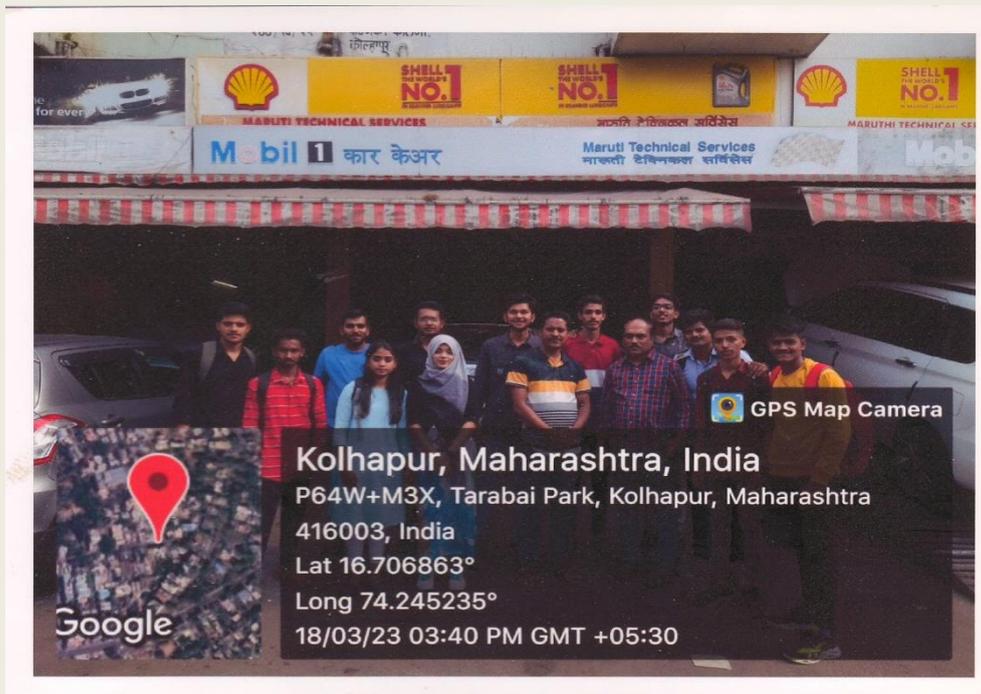
Industrial Visit

1. An Industrial visit was arranged on 10/03/2023 to **Wilco Mather & Platt Pump, Kolhapur** for the Second & Third year students.



Industrial Visit to “Wilco Mather & Platt Pump, Kolhapur”

An Industrial visit was arranged on 18/03/2023 to **Maruti Technical Service, Kolhapur** for the Third year students.



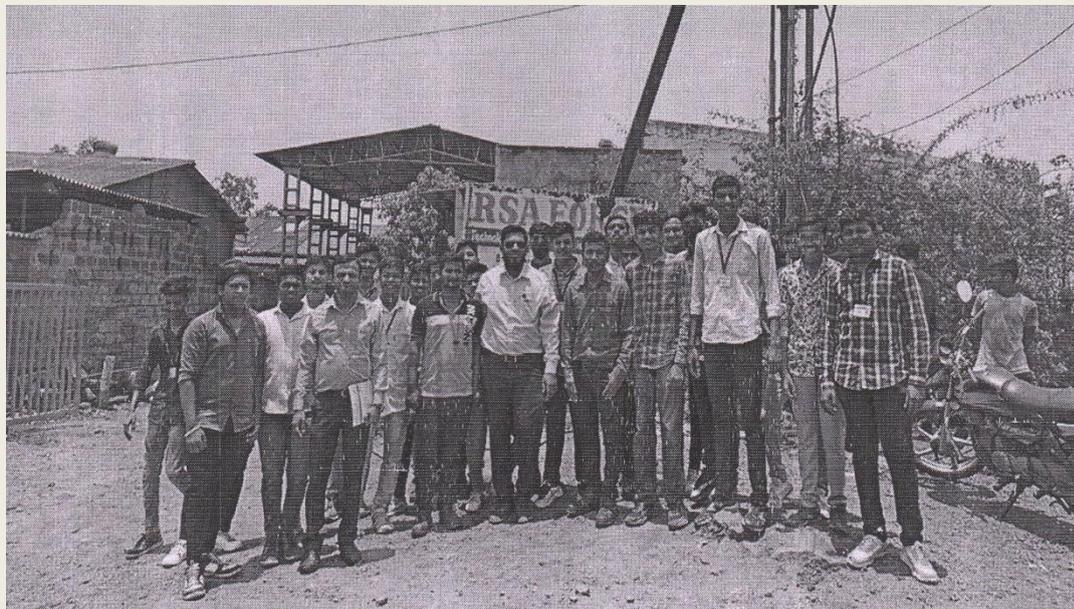
Industrial Visit to “Maruti Technical Service, Kolhapur”

An Industrial visit was arranged on 29/03/2023 to **Shree Auto, Kolhapur** for the Third Year students



Industrial Visit to “Shree Auto, Kolhapur”

An Industrial visit was arranged on 30/10/2023 to **RSA Forge, MIDC, Shirol, Kolhapur** for the Second & Third year students.

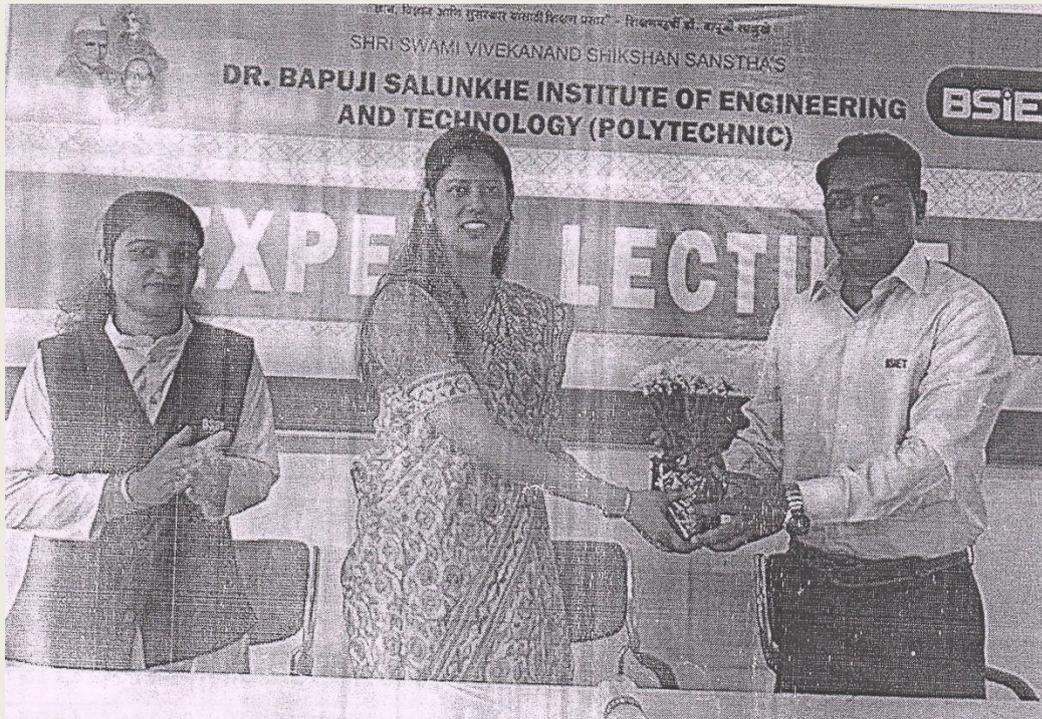


Industrial Visit to “RSA Forge, MIDC, Shirol, Kolhapur”

Expert Lecture

Advanced Manufacturing Process

An Expert lecture was arranged for the Third year mechanical department students on 24/04/2023 on the topic – “Advanced Manufacturing Process” Ms. Priyanka S. Patil, Deputy Manager, Supply Chain, KOEL, and Kolhapur.



Energy Conservation

An Expert lecture was arranged for the Third year mechanical department students on 21/03/2023 on the topic – “Energy Conservation” Mr. Mahesh Wagh, Faculty PCRA, Kolhapur.



IMPULSE 2K23





Parents meet and Student Felicitation

Parents meet held for SY and TY students' parent and Felicitation of Toppers and Students with special achievements in Extra and Co-curricular activities.





Scope of Mechanical Engineering

Diploma in Mechanical Engineering is a highly sought-after course that provides students with the necessary skills and knowledge to work in the mechanical engineering industry. Mechanical engineering is a diverse field, with applications in manufacturing, transportation, energy, and other areas. A diploma in mechanical engineering opens up a wide range of career opportunities in various industries.

Career after Diploma in Mechanical Engineering: Top 9 Opportunities

- Mechanical Engineer
- Production Manager
- Quality Control Engineer
- Maintenance Engineer
- CAD Technician
- Research and Development Engineer
- Technical Sales Engineer
- Project Manager
- Entrepreneur

Mechanical Engineer: Mechanical engineering is a broad field that involves designing, developing, and testing mechanical devices. Mechanical engineers can work in a variety of industries, including aerospace, automotive, manufacturing, and energy. They are responsible for creating blueprints and specifications, analyzing data, and testing prototypes. A diploma in mechanical engineering is the first step towards becoming a mechanical engineer.

Production Manager: Production managers are responsible for overseeing the production process from start to finish. They ensure that products are manufactured efficiently, on time, and within budget. A diploma in mechanical engineering is a great foundation for a career as a production manager because it provides students with knowledge of manufacturing processes and techniques.

Quality Control Engineer: Quality control engineers are responsible for ensuring that products meet the required quality standards. They inspect products, conduct tests, and analyze data to identify defects and recommend improvements. A diploma in mechanical engineering is a great foundation for a career as a quality control engineer because it provides students with an understanding of manufacturing processes and techniques.

Maintenance Engineer: Maintenance engineers are responsible for ensuring that machinery and equipment are operating efficiently. They conduct routine maintenance and repair work, and troubleshoot any issues that arise. A diploma in mechanical engineering is a great foundation for a career as a maintenance engineer because it provides students with an understanding of mechanical systems and their components.

CAD Technician: CAD (Computer-Aided Design) technicians are responsible for creating 2D and 3D models of products and components using computer software. They work closely with engineers and designers to create technical drawings and models that can be used for manufacturing. A diploma in mechanical engineering is a great foundation for a career as a CAD technician because it provides students with an understanding of mechanical design principles.

Research and Development Engineer: Research and development engineers are responsible for developing new products and improving existing ones. They conduct research, analyze data, and design prototypes. A diploma in mechanical engineering is a great foundation for a career as a research and development engineer because it provides students with an understanding of mechanical design principles and manufacturing processes.

Technical Sales Engineer: Technical sales engineers are responsible for selling technical products and services to customers. They work closely with customers to understand their needs and recommend products or services that meet those needs. A diploma in mechanical engineering is a great foundation for a career as a technical sales engineer because it provides students with an understanding of technical products and their applications.

Project Manager: Project managers are responsible for managing the projects from start to finish. They ensure that projects are completed on time, within budget, and to the required quality standards. A diploma in mechanical engineering is a great foundation for a career as a project manager because it provides students with an understanding of mechanical systems and their components.

Entrepreneur: Diploma in mechanical engineering provides the necessary knowledge to start one's own venture. Entrepreneurs can start manufacturing units, design and develop new products, offer technical consultancy services, and so on.

Diploma in mechanical engineering opens up a plethora of career opportunities for students. The field of mechanical engineering is ever-evolving, and students need to keep themselves updated with the latest technologies and trends to succeed. A diploma in mechanical engineering is just the first step towards a successful career. Further studies, such as Bachelor's or Master's degrees, can enhance job prospects and help students climb up the professional ladder.

