

**Department
of**

**Mechanical
Engineering**

**MECHANICAL
MOMENTS**

VOL 2

1. Vision Mission

2. PEOs

3. Committee

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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 2024

Class	Rank	Name	Percentage
FY	FIRST	PATIL SANRAJ ARVIND	83.29
	SECOND	SATHE PRUTHVIRAJ VIRAJ	79.56
	THIRD	ADAKE ATHARV RAHUL	78.56
SY	FIRST	SURYAVANSHI SOHAM SATISH	90.25
	SECOND	PATIL KRISH UMESH	84.50
	THIRD	VARNE RIDDHI SHITALNATH	79.38
TY	FIRST	VEDANTE ABHISHEK RAVINDRA	90.62
	SECOND	MIRAJKAR AYUSH ATUL	87.23
	THIRD	PATIL ADITYA SANJAY	80.36

Co-Curricular Achievements

1. 02 students got 1st rank in '**Paper Presentation Competition**' **State Level Technical Symposium Reflex 2024** in Ashokrao Mane Polytechnic, Wathar.

- Vedante Abhishek Ravindra
- Mirajkar Ayush Atul

2. 02 students got 3rd rank in **National level technical paper presentation competition 2024** in BSIET, Kolhapur.

- Gadgil Priti Vijay
- Suryavanshi Mansi Amol

Industrial Visit

1. An Industrial visit was arranged on 08/02/2024 to **Suhit Enterprises J-50, MIDC Gokul Shirgaon, Kolhapur** for the students of Second year.





Industrial Visit to “Suhit Enterprises J-50, MIDC Gokul Shirgaon, Kolhapur”

An Industrial visit was arranged on 08/02/2024 **Suncast J-7 MIDC, Gokul Shirgaon Kolhapur** for the students of Second year.



 **GPS Map Camera**



Gokul Shirgaon, Maharashtra, India
J7, MIDC, Gokul Shirgaon, Maharashtra 416234, India
Lat 16.63863°
Long 74.286961°
08/02/24 12:05 PM GMT +05:30



Industrial Visit to “Suncast J-7 MIDC, Gokul Shirgaon, Kolhapur”

An Industrial visit was arranged on 09/02/2024 at “S T Workshop, Tarabai park, Kolhapur” for the students of Third Year.





Industrial Visit to “S T Workshop, Tarabai Park, Kolhapur”

An Industrial visit was arranged on 14/03/2024 to **Wilo Mather & Platt Pumps pvt. Ltd, Gokul Shirgaon, Kolhapur** for the students of Second year.



Industrial Visit to “Wilo Mather & Platt Pumps pvt. Ltd, Gokul Shirgaon, Kolhapur”

Expert Lecture

Sensors Robotics & Automation

An Expert lecture was arranged for the Third year mechanical department students on 09/02/2024 on the topic – “Sensors Robotics & Automation” by Dr. Jitendra Bhat, Asst. Professor, KIT college of Engg., Kolhapur.



Plastic Molding Technique

An Expert lecture was arranged for the Second year mechanical department students on 28/02/2024 on the topic – “**Plastic Molding Technique**” by Mr.Rahul Bagade, Manager of Mould shop, Elcom International pvt,ltd., Kolhapur.





Job Opportunities in Government sector

An Expert lecture was arranged for the all mechanical department students on 17/02/2024 from on the topic – **“Job Opportunities in Government sector”** by Mr. Pravin Kumar Patil, Asst. Motor Vehicle Inspector, Mumbai.





Impulse 2K24







Students Achievement



“ज्ञान, विज्ञान आणि सुसस्कार यासाठी शिक्षणप्रसार”
- शिक्षणमहर्षी प.पू. डॉ. बापूजी साळुंखे

Shri Swami Vivekanand Shikshan Sanstha's.



**Dr. Bapuji Salunkhe Institute of
Engineering & Technology**

BSIET

2130, Tarabai Park, Kolhapur - 416 003

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Other Activities

बुधवार । दि. ३१ जानेवारी २०२४



इंटर डिप्लोमा झोनल क्रीडा स्पर्धांमध्ये डॉ. बापूजी साळुंखे पॉलिटेक्निकचे यश



कोल्हापूर : इंटर इंजिनिअरिंग डिप्लोमा स्टुडंट्स स्पोर्ट्स असोसिएशन (बी१ झोन) यांचेतर्फे शासकीय तंत्रनिकेतन, कोल्हापूर येथे आयोजित मुलींच्या क्रीडा स्पर्धांमध्ये डॉ. बापूजी साळुंखे इन्स्टिट्यूट ऑफ इंजिनिअरिंग अँड टेक्नॉलॉजी (पॉलिटेक्निक) च्या खेळाडूंनी खो-खो स्पर्धेमध्ये विजेतेपद आणि बॅडमिंटन स्पर्धेमध्ये उपविजेतेपद पटकाविले.

गौरी बोलवे (प्रथम वर्ष आर्टि. इंटेली.), श्रुतिका रेडेकर (तृतीय वर्ष सिव्हिल) यांनी खो-खो आणि तानिया काटिगर (प्रथम वर्ष आर्टि. इंटेली.) हिने बॅडमिंटन स्पर्धेमध्ये नेत्रदिपक खेळ करून विशेष प्राविण्य दाखविले. या स्पर्धेमध्ये झोनमधील बहुसंख्य पदविका कॉलेजनी सहभाग घेतला. यशस्वी खेळाडूंचा श्री स्वामी विवेकानंद शिक्षण संस्थेचे कार्याध्यक्ष प्राचार्य अभयकुमार

साळुंखे यांच्या हस्ते सत्कार करण्यात आला. सर्व खेळाडूंना प्राचार्य अभयकुमार साळुंखे, संस्थेच्या सचिवा प्राचार्या सौ. शुभांगी गावडे, संस्थेचे सीईओ कौस्तुभ गावडे, डॉ. बापूजी साळुंखे इन्स्टिट्यूटचे प्राचार्य विरेन भिर्डे यांचे मार्गदर्शन लाभले. पॉलिटेक्निकचे क्रीडाप्रमुख अमित आव्हाड आणि प्रा. सरिता चव्हाण यांनी परिश्रम घेतले.

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.

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