

## Mechanical Engineering Department

### **1.Introduction:**

The Department of Mechanical Engineering at Vishwatmak Om Gurudev College of Engineering - Aghai has been established since 2011. The Department offers graduate degree B.E in Mechanical Engineering affiliated to Mumbai University. This branch includes the area of Design, Thermal, Production, CAD-CAM, and Workshop. Department has setup a semi production CNC lathe machine with ultra modern facilities. Department has well experienced and qualified faculty to its credit.

## .HOD DESK:



Welcome to mechanical engineering at V.O.G.C.E. Aghai. It is most versatile branch of engineering which deals with the principles of physics and materials science for analysis, design, manufacturing, and maintenance of mechanical systems. Our graduates can work in almost all technology-based industry like automotive, electric power, steel and materials, petro-chemical, robotics and manufacturing, pulp and paper, textiles etc. Major areas of mechanical engineering industry include designing, manufacturing, finding out the strength of materials or the amount of heat transfers or energy conversion, studying solid mechanics, fluid mechanics, thermodynamics, management science etc.

### **Prof. S. V. Rao**

Professor & HOD

Department of Mechanical Engineering

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### **3.PO AND PEOS:**

#### **PEOS:**

##### **PEO1. Providing Awareness among Students.**

By showing different motivational videos related to open market after graduation like Entrepreneurship, Business, Research and development etc. Students may be able to find out their path after graduation.

##### **PEO2. Providing Platform for Student**

By forming a community like MESA (Mechanical Engineering Students Association) students will be able to manage/ organize the programs like Paper Presentation, Seminars, Robogalaxy, Technical Events etc.

##### **PEO3. Arranging Industrial Visits.**

Industrial Visits help students to understand the scope of branch. Also subjects taught in the class can be better understood by observing the detailed drawing, assembly lines, different advanced machines available in the work place.

##### **PEO4. Talk with Professionals**

By organizing the expert lectures periodically on Technical, Non- Technical issues students will be able to understand the depth of the course that will help to build up their confidence level. Also Non- Technical program may help them to understand their responsibilities towards society.

#### **POS:**

- Engineer and demonstrate professional engineering competence via positions of increasing responsibility and/or assignments.

- **Fundamental Goal:** Successfully complete or pursue graduate education in engineering or related fields, participate in professional development and/or industrial training courses, and/or obtain engineering certification.
- **Innovative and Creative Skills:** Participate in research and development, and other creative and innovative efforts in science, engineering, and technology, and/or pursue entrepreneurial endeavors.
- **Professional: If not iResponsibilities as an Engineer:** Develop successful careers as Mechanical n a Mechanical Engineering career, successful transition into an education, business, legal or government career.
- **Problem Solving Skills:** Demonstrate independent problem solving skills with effective results using advance solutions Methods/ Techniques.
- **Employment:** By pursuing post graduate studies or facing competitive examinations that offer challenging and rewarding careers .

#### 4.Faculty Member:

Sr No	Name of Faculty	Designation	Qualification
1	Prof.	Associate Professor	ME Production Engineering
2	Prof. Kiran Manohar Thorve	Assistant Professor	ME Production Engineering
3	Prof. Jitendra B. Patil	Assistant Professor	ME Manufacturing Engineering
4	Prof. Priyanka Khutwal	Assistant Professor	B. Tech Mechanical Engineering
5	Prof. Vinayak Vaijantri	Assistant Professor	ME Production Management
6	Prof. Raviraj Ahire	Assistant Professor	ME Energy System

## 5.Labs

<b>Sr No</b>	<b>Name of laboratory</b>	<b>Location</b>
1	Fluid Mechanics Lab	BASEMENT
2	Heat Transfer Lab	F-103
3	SOM Lab	B-101
4	Internal combustion lab	workshop
5	Mechanical Vibration	f-102