



AISHWIRYA COLLEGE OF ENGINEERING AND TECHNOLOGY

Paruvachi, Bhavani - 638312.

Web: aishwaryacollege.com, E-mail: acetdr@gmail.com

Department Details for Website

Name of the Department: MECHANICAL ENGINEERING

1. Vision:

- Department strives to mould the students with the state of the art technology and to make them excel in their profession.

2. Mission:

- To achieve high ethical and professional standards through effective teaching-learning processes.
- To provide infrastructure for Research and Development activities.
- To offer consultancy services to the industry.
- To create opportunities for students to evolve as competent software professionals with societal consciousness.

3. About the Department:

- The Department of Mechanical Engineering was started in the year 2011 to provide services to the student to meet the upcoming challenges and trends for the competition world. The department is well equipped with modern laboratories and equipments with hands on training.
- The Department's mission is to advance, evolve and enhance mechanical and automobile engineering fundamentals to build the Hands on training on soft and hard skills
- To provide Value added software courses and Summer internships with various corporate companies

4. Laboratory Facilities:

Laboratory Name
STRENGTH OF MATERIAL LAB
FLUID MECHANICS LAB
MANUFACTURING TECHNOLOGY I
THERMAL ENGINEERING LAB-I
THERMAL ENGINEERING LAB-II
MANUFACTURING TECHNOLOGY II
DYNAMICS LAB
METROLOGY & MEASUREMENT LAB
MECHATRONICS LAB
CAD/CAM LAB
SIMULATION LAB

Equipment Details.

S.NO	Equipment Name	Cost
1	Centre Lathes(5NOs)	3,14,290
2	4-STROKE DIESEL ENGINE WITH ELECTRICAL LOADING	1,65,000
3	Turret lathe	1,55,000
	TOTAL	6,34,290

5. Software Available:

Software Name
AUTOCAD
SOLIDWORKS
ANSYS
CMAS CNC Lathe & Milling Simulator package
FANUC software

6. Value Added Course (VAC):

VAC Name
AUTO CAD
PRO-E
ANSYS
CATIA
SOLID WORKS
PIPING
UNIGRAPHICS

Faculty Incharge	
Name	J CHENDRAYAPERUMAL
Designation	ASST.PROFESSOR
Qualification	M.E
Experience	3Years 5 Months 13 Days

7. Faculty Profile:

Faculty Profile		
1	Name:	Dr.Jeyakkannan.S
	Designation	PRINCIPAL
	Qualification	M.E., PhD.
	Experience	23.5 Years
2	Name:	Dr. Senthilraja .S
	Designation	ASSOCIATE PROFESSOR
	Qualification	M.E., PhD.
	Experience	11 Years

3	Name:	Mr. P.Meivel
	Designation	ASSOCIATE PROFESSOR
	Qualification	B.E.,M.E.,
	Experience	18 Years
4	Name:	Mr. S.Sidhambarakumar
	Designation	ASST.PROFESSOR
	Qualification	M.E.,
	Experience	1 Years
5	Name:	Mr.Gowtham. S
	Designation	ASST.PROFESSOR
	Qualification	M.E.,
	Experience	1 Year
6	Name:	Mr.Chendraya perumal.J
	Designation	ASST.PROFESSOR
	Qualification	M.E.,
	Experience	3.5 Years
7	Name:	Mr.Ravikumar.P
	Designation	ASST.PROFESSOR
	Qualification	M.E.,
	Experience	1.6 Years
8	Name:	Mr.Nithyananthan
	Designation	ASST.PROFESSOR
	Qualification	M.E.,
	Experience	4.6 Years
9	Name:	Mr.Balamurali.A
	Designation	ASST.PROFESSOR

	Qualification	M.E.,
	Experience	2.5 Years

8. Program Educational Objectives (PEOs):

- The Program Educational Objectives (PEOs) of the Mechanical Department shows the value of their gained knowledge to challenging society. The graduates of department of mechanical engineering will be able to identify global problems and able to rectify it. The graduates will have
 - PEOs1: Have a successful career in Mechanical Engineering and allied industries
 - PEOs2: Contribute towards technological development through academic research and industrial practices.
 - PEOs3: Graduates will adapt to evolving technologies through life-long learning.
 - PEOs4: Practice their profession with good communication, leadership, ethics and social responsibility.

9. Program Outcomes (POs):

- Graduates of Mechanical Engineering will be able to
 - P01: Graduates can be able to use computer and CAD Software's for modeling of mechanical component
 - P02: The students can demonstrate different measurement technologies and use of them in Industrial Components
 - P03: Graduates should be able to apply ethics in society, discuss the ethical issues related to engineering and realize the responsibilities and rights in the society
 - P04: Ability to demonstrate the principles of kinematics of machinery and measuring devices for dynamic testing
 - P05: Students can be able to successfully identify components of transmission systems in engines and machines

- P06: Graduates understanding of managerial function and basic knowledge on international aspect of engineering
- P07: The knowledge gained on engineering materials, fuels, energy sources and water treatment techniques will facilitate better understanding of engineering processes and applications for further learning.
- P08: Environmental Pollution or problems cannot be solved by mere laws. Public participation is an important aspect which serves the environmental Protection.
- P09: The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- P10: Students to gain practical experiences in handling 2D/3D modeling software's and features of CNC machine.
- P11: Learners are to be assigned to view the materials outside the classroom as well for gaining proficiency and better participation in the class.
- P12: Students have the ability to understand and comprehend any given problem related to mechanical engineering field.

10. Placement Coordinator:

Faculty Incharge		
1	Name:	S.Sidhambarakumar
	Designation	ASST.PROFESSOR
	Qualification	B.E., M.E.,
	Experience	1 Year

11. Clubs and Activities

○ **Communication Skill Development club**

Faculty Incharge		
1	Name:	A.Balamurali
	Designation	ASST.PROFESSOR
	Qualification	M.E
	Experience	2 Years 5 Months 5 Days

○ **Career Guidance club**

Faculty Incharge		
1	Name:	G.Nithyananthan
	Designation	ASST.PROFESSOR
	Qualification	M.E
	Experience	4 ½ YEARS

○ **Entrepreneurship Development Club**

Faculty Incharge		
1	Name:	S.Sidhambarakumar
	Designation	ASST.PROFESSOR
	Qualification	M.E.,
	Experience	5 YEARS

○ **VAC club**

Faculty Incharge		
1	Name:	Mr. J. Chendrayaperumal
	Designation	ASST.PROFESSOR
	Qualification	M.E
	Experience	5 ½ YEARS