



ACHARYA POLYTECHNIC

Affiliated to DTE



- Immerse yourself in a vibrant campus that fosters community and collaboration.
- Dynamic education model that adapts to industry needs for modern workforce readiness.
- Hands-on training through immersive, real-world experiences that apply theory to practice.
- Outbound learning opportunities that enhance adaptability and exposure to diverse environments.
- Holistic curriculum focused on technical skills as well as personal and professional development.
- Purpose-built infrastructure with well-equipped labs, sports facilities, and a digitized central library.

DIPLOMA IN MECHANICAL ENGINEERING

About

Diploma in Mechanical Engineering is a technical program that provides students with the necessary skills and knowledge to work in the field of mechanical engineering. It focuses on areas such as design, manufacturing, maintenance, and operation of machinery and mechanical systems.

Career Scope

A Diploma in Mechanical Engineering opens up a wide array of career opportunities across diverse industries, thanks to the broad and versatile nature of the field. Graduates can pursue various career paths, including roles such as Mechanical Designer, Mechanical Technician, and Manufacturing Technician. Additionally, opportunities as a Quality Control Inspector, Automotive Technician, HVAC Technician, and Tool and Die Maker allow individuals to apply their skills in practical settings, making a significant impact in the engineering landscape.

Eligibility

Pass in SSLC / 10th / HSC or equivalent (with science & mathematics subjects) from any recognized Board or Council with an aggregate of 35%.

Duration
3 years



COURSE CONTENT

Semester 1

Theory Courses

- Engineering Mathematics
- Materials of Engineering

Practical Courses

- Communication Skills
- Computer Aided Engineering Drawing

Audit Courses

- Environment Sustainability
- Sports/NCC/NSS/Yoga

Semester 2

Theory Courses

- Project Management Skills

Practical Courses

- Statistics and Analytics
- Fundamental of Electrical & Electronics Engineering
- IT Skills
- Mechanical Workshop Practice I

Audit Courses

- Kannada – I

Semester 3

Integrated Courses

- Mechanics of Materials
- Machine Tool Technology
- Manufacturing Processes
- Fluid Power Engineering

Audit Courses

- Kannada – II

Semester 4

Integrated Courses

- Operations Management
- CNC Programming and Machining
- Product Design and Development
- Elements of Industrial Automation

Audit Courses

- Indian Constitution

Semester 5

Programme Specialization Pathway

- Automation & Robotics
- Heating, Ventilation and Air Conditioning
- Advanced Manufacturing Technologies
- E – Mobility

Science and Research Pathway

Entrepreneurship Pathway

Semester 6

- Internship / Project



Acharya Legacy

Founded in 1990, Acharya aims to revolutionize education. With over 12,000 students and 100+ academic programs annually, it stands among the global education elite. Located in India's technical hub, Bangalore, Acharya prioritizes innovation and knowledge. The institution fosters experiential and collaborative learning, shaping well-rounded individuals, evident in its diverse student population from 75+ countries.

11 Institutions

15 Research Centers

100+ Programmes

75+ Nationalities

12000+ Students

1000+ Eminent Faculties

120 Acres State-of-the-Art Campus

B Premnath Reddy
Founder Chairman
Acharya Group

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Academic Studio



Collaboration



Center of Excellence



Clubs



Digital Library



Laboratories



Research



Sports



Hostels



Habba



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