ACHARYA POLYTECHNIC

Affiliated to DTE

Acharya Polytechnic provides a vibrant, hands-on learning environment where students gain practical skills and industry-ready knowledge. With a modern curriculum, state-of-the-art infrastructure, and expert mentorship, the college offers a direct path to successful careers across engineering, technology, and applied fields. Students benefit from immersive experiences, outbound learning, and access to digital resources that enhance both technical expertise and personal development.



- Diploma programs in over eight specializations designed for industry relevance.
- Hands-on training through labs, workshops, real-world projects, and outbound learning.
- Purpose-built infrastructure including well-equipped classrooms, labs, sports facilities, and a digitized library.
- Access to e-resources, online courses, and industry mentorship for career readiness.
- Holistic curriculum focused on technical skills as well as personal and professional growth.

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.

- **Fundamental Mechanical Engineering Concepts –** The curriculum covers the basics of mechanics, energy systems, materials, and their applications in real-world engineering
- **Statics & Dynamics Training –** Students learn how particles and rigid bodies behave under forces, essential for machine and system design.
- **Material Science Focus –** Understanding properties, selection, and behavior of engineering materials used in manufacturing and industrial systems.
- **Thermodynamics & Heat Transfer Exposure –** Study of energy transformation, heat flow, and thermal cycles relevant for engines, HVAC, and power systems.
- **Practical & Co-curricular Activities –** Emphasis on industrial visits, workshops, and seminars that enhance hands-on learning and industry insight.



Career Scope

- **Mechanical Designer / Technician –** Work on drafting, modelling, and maintaining mechanical systems in manufacturing, automotive, or production environments.
- **Manufacturing & Quality Control Roles –** Roles such as Manufacturing Technician or Quality Control Inspector in factories and workshop settings.
- **Automotive & HVAC Technician –** Opportunities in automotive service, HVAC system maintenance, tool and die making, and other specialised mechanical fields.

Eligibility

Passed SSLC / 10th, with English, Science and Mathematics with an aggregate 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

FEE STRUCTURE

Refer offer letter for the actuals.

Inclusions : Tuition Fee, University Registration, Eligibility Fee, Miscellaneous Fee, Laboratory Fee, Library Fee and Sports Fee.

Exclusions : Uniform & Stationery.
Examination fee as prescribed by the University / Board.

Students are offered complimentary OBT and softskills.



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 Faculty

120 Acres State-of-the-Art Campus



B Premnath Reddy
Founder Chairman
Acharya Group

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Collaboration



Center of Excellence



Clubs



Digital Library



Laboratories



Research



Sports



Hostels



Habba



PROGRAMS OFFERED

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