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 AERONAUTICAL ENGINEERING

About

The Diploma in Aeronautical Engineering is a multi-disciplinary diploma program that delves into mechanical, electrical, and electronics engineering, focusing on aeronautics.

- **Three-year diploma program** blending aeronautical fundamentals with mechanical, electrical and electronics engineering concepts.
- **Curriculum covering aircraft design, aerodynamics, aviation technology, propulsion systems and aviation materials,** providing a solid technical foundation.
- **Balanced mix of theory and practical learning,** including real-world projects and hands-on exercises to build applied skills.
- **Skill development for aircraft systems and safety practices,** preparing students for technical roles in the aerospace field.
- **Pathway to advanced studies** such as B.E./B.Tech in Aerospace or Aeronautical Engineering, or specialised aircraft engineering programs.



Career Scope

- **Technical technician roles** in aviation and aerospace such as **Aircraft Maintenance Technician, Aerospace Technician and Avionics Technician.**
- **Specialised positions** including **Aircraft Manufacturing Technician** and **Quality Control Inspector** within aircraft production and servicing sectors.
- **Operational and support careers** such as **Aircraft Operations Specialist** and **Flight Test Technician,** or further academic progression into engineering degrees.

Eligibility

Passed SSLC / 10th, with English, Science and Mathematics with an aggregate 35%.

Duration
3 years

COURSE CONTENT

Semester 1

Theory Courses
- Engineering Mathematics
- Elements of Aeronautics

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
- Audit Courses
- Kannada – I

Semester 3

Integrated Courses
- Fluid Mechanics and Pneumatics
- Thermodynamics
- Low speed Aerodynamics
- Aircraft Material and Manufacturing Technology

Audit Courses
- Kannada – II

Semester 4

Integrated Courses
- Aircraft Propulsion System
- Aircraft Electrical and Avionics System
- Aircraft Systems and Aircraft Instrumentation
- Aircraft Structure and SOM

Audit Courses
- Indian Constitution

Semester 5

Programme Specialization Pathway
- Aircraft Maintenance, Safety and Management
- Aerospace Technical Documentation
- Drone Technology
- Airport Management

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

Acharya Offerings - click on each to know more... »

Academic Studio



Collaboration



Center of Excellence



Clubs



Digital Library



Laboratories



Research



Sports



Hostels



Habba



PROGRAMS OFFERED

Follow on Social Media



Acharya Dr. S. Radhakrishnan Road,
Acharya P.O, Soladevanahalli,
Bangalore-560107,
Karnataka, India

www.acharya.ac.in

Domestic Admissions

admissions@acharya.ac.in

+91 74066 44449

+91 97317 97677

International Admissions

international@acharya.ac.in

+91 97317 79233