



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 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.

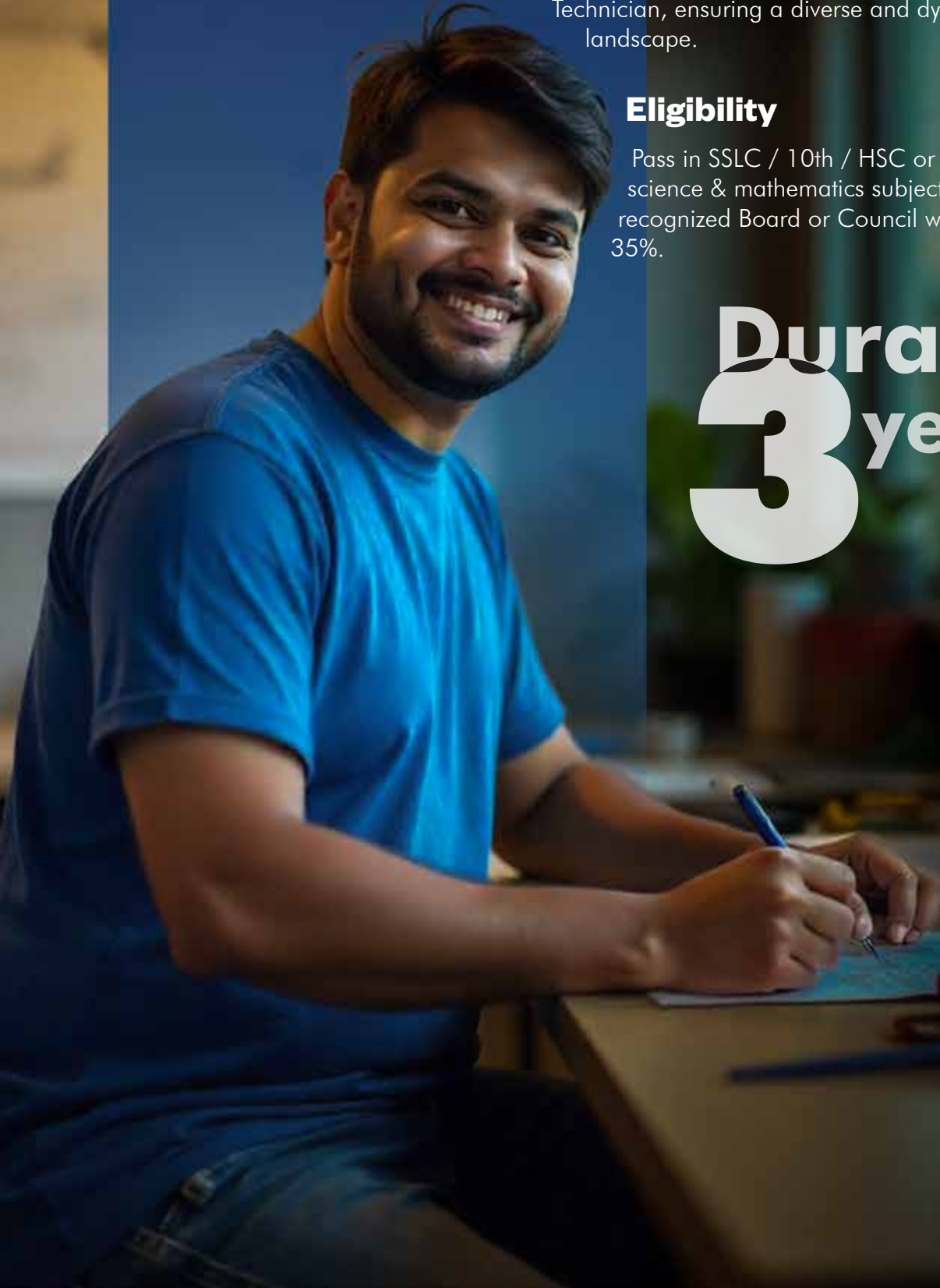
Career Scope

Graduates of the Diploma in Aeronautical Engineering enjoy lucrative opportunities in the aeronautical sector. This program not only opens doors for higher studies in accredited Aircraft Engineering programs but also allows graduates to pursue a B.E./B.Tech in Aerospace or Aeronautical Engineering for further specialization. Career paths include roles such as Aircraft Maintenance Technician, Aerospace Technician, and Avionics Technician, along with rewarding positions like Quality Control Inspector and Flight Test Technician, ensuring a diverse and dynamic professional 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
- 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



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

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

Academic Studio



Collaboration



Center of Excellence



Clubs



Digital Library



Laboratories



Research



Sports



Hostels



Habba



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