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.



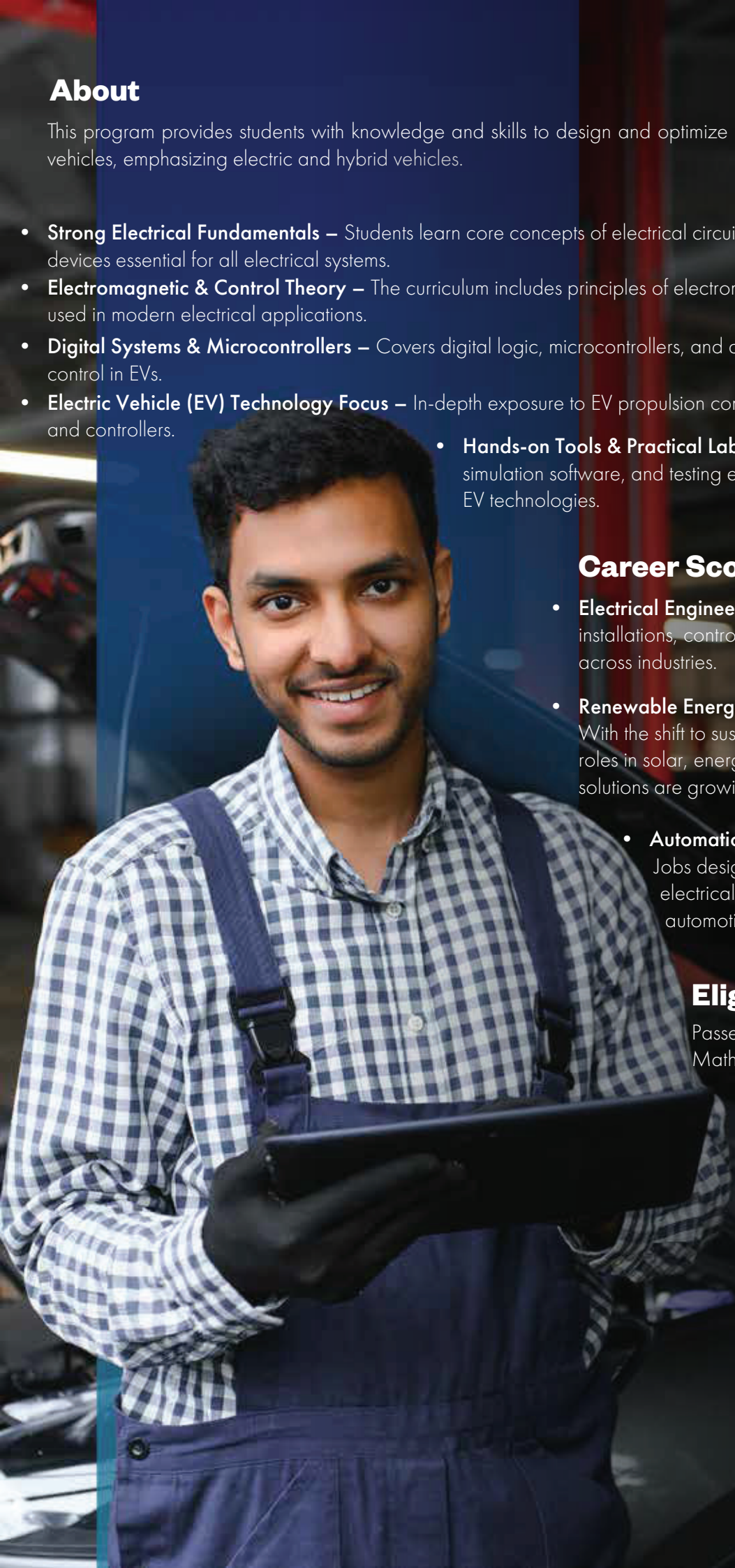
- Diploma programs in over eight specializations designed for industry relevance.
- Hands-on training through labs, workshops, real-world projects, and outbound learning.
- Purpose-built infrastructure including well-equipped classrooms, labs, sports facilities, and a digitized library.
- Access to e-resources,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

DIPLOMA IN ELECTRICAL ENGINEERING & ELECTRICAL VEHICLE TECHNOLOGY

About

This program provides students with knowledge and skills to design and optimize electrical and digital systems in motor vehicles, emphasizing electric and hybrid vehicles.

- **Strong Electrical Fundamentals –** Students learn core concepts of electrical circuits, components, and electronic devices essential for all electrical systems.
- **Electromagnetic & Control Theory –** The curriculum includes principles of electromagnetic fields and control systems used in modern electrical applications.
- **Digital Systems & Microcontrollers –** Covers digital logic, microcontrollers, and digital systems crucial for embedded control in EVs.
- **Electric Vehicle (EV) Technology Focus –** In-depth exposure to EV propulsion components such as motors, inverters, and controllers.
- **Hands-on Tools & Practical Labs –** Emphasis on using diagnostic tools, simulation software, and testing equipment relevant to electrical and EV technologies.



Career Scope

- **Electrical Engineer –** Work on power systems, electrical installations, control systems, or energy management across industries.
- **Renewable Energy Specialist / Energy Consultant –** With the shift to sustainable energy and EV infrastructure, roles in solar, energy efficiency, and EV charging solutions are growing.
- **Automation or Control Systems Engineer –** Jobs designing and maintaining automated electrical and control systems in manufacturing, automotive, and smart grid sectors.

Eligibility

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

Duration

3 years

COURSE CONTENT

Semester 1

- Engineering Mathematics
- Basics of Electrical Power System
- Computer Aided Engineering Graphics
- Fundamentals of Electrical & Electronics Engineering
- Environmental Sustainability
- Sports/NCC/NSS/Youth Red Cross/Yoga/ Technical club.

Semester 2

- Project Management Skills
- Statistics and Analytics
- Communication Skills
- IT Skills
- Residential Electrical Wiring Practice
- Kannada-

Semester 3

Semester 4

Semester 5

Semester 6

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

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