

GKM COLLEGE OF ENGINEERING & TECHNOLOGY , CHENNAI-63
(An ISO 9001:2008 Certified, NBA,NAAC 'A' Grade & IAO Accredited Institution)
DEPARTMENT OF AERONAUTICAL ENGINEERING

THE DEPARTMENT WAS ESTABLISHED IN THE YEAR 2009

COURSES OFFERED

- B.E Aeronautical Engineering (Duration: 4 Years)

ABOUT THE DEPARTMENT.

- Approved by AICTE and affiliation from Anna University
- The aeronautical engineering field consists of the core courses including Aerodynamics, Aircraft Structures, Aerospace Propulsion, Aircraft materials, Finite Element Analysis, Computational Fluid Dynamics, Flight Dynamics, Aero elasticity, Vibration, Aircraft Component Drawing and Aircraft design..

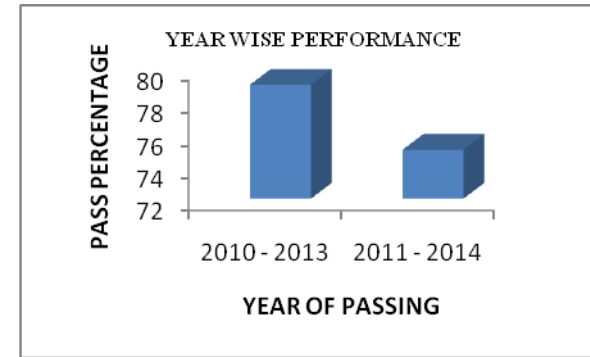
PROFESSIONAL SOCIETIES

- Aeronautical society of India

DEPARTMENT OBJECTIVE

- To prepare the students to successfully work in various industrial, DRDO etc
- A Maintenance Engineers in an Aviation Industry
- A Research Scientist related to Aviation

ACADEMIC PERFORMANCE



LAB FACILITIES

- The Aircraft systems lab is equipped with fully serviceable **CESSNA – 172 Aircraft** worth more than Rs. 28 lakhs for hands on experience.
- Aerodynamics lab with a **sub sonic wind tunnel**, water flow channel, smoke apparatus worth of Rs.15 lakhs.
- The structure lab with equipments like Wagner Beam, Shear center location apparatus, column testing apparatus worth more than Rs. 10 lakhs.
- The Propulsion lab is equipped with **Jet Engines** , high subsonic ramjet model , shadow graph, flow visualization test bench worth of Rs. 20 lakhs



AIRCRAFT SYSTEM LAB



AERODYNAMICS & PROPULSION LAB

ABOUT FACULTY

- The Department has well qualified staff to teach various subjects of the curriculum and actively pursuing research in several thrust areas, such as **High Speed Aerodynamics, Unmanned air vehicles, Avionics, Composite Materials & Structures.**
- The department has several faculty members actively pursuing their research in the thrust areas also have published several papers in leading journals.
- The department has submitted project proposal to DST

INTERNSHIP/INPLANT TRAINING

- The Department regularly conducts training programmes concentrating on personality development along with High end software's packages. The aeronautical engineering students undergo summer and winter internships at **IIT, IISC, Sky lab aviation, Kanpur IIT** for flight training and Taneja aerospace corporation..

STUDENT'S ACTIVITIES:



NCC

GUEST LECTURE



SYMPOSIUM – QUIZ

SCOPE OF THE COURSE

- DRDO,
- Government & private Airlines
- ISRO.
- Hindustan Aeronautical Ltd (HAL)
- National Aeronautical Lab (NAL)
- Higher Studies M.Tech / MS / PhD