



BACHELORS IN AERONAUTICS



DURATION:THREE YEAR FULL TIME (6 SEMESTERS)

ELIGIBILITY: H.S.C. pass in Science Faculty(PCM compulsory)

ADMISSION PROCEDURE: Admissions on the basis of merit.

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Course Coordinator
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COURSE CONTENTS:

SEMESTER 1

- Air law, Airworthiness requirements & Human Factor I
- Materials and Hardware – I
- Maintenance Practices – I
- Gas turbine engine fundamentals & Helicopter airframe structure
- Basic Aerodynamics
- Practicals

SEMESTER 2

- Air Law, Airworthiness Requirements & Human Factors II
- Materials And Hardware –II
- Maintenance Practices – II
- Electrical Fundamentals-I
- Piston Engine-I
- Aerodynamics- II
- Practicals

SEMESTER 3

- Electrical Fundamentals – II
- Digital Techniques & Electronic Instrument System – I
- Piston Engine – II
- Helicopter Systems-I
- Maintenance Practices – III
- Practicals

SEMESTER 4

- Engineering Drawing
- Digital Techniques & Electronic Instrument System- II
- Gas Turbine Engines – I
- Propellers
- Electronic Fundamentals
- Practicals

SEMESTER 5

- Gas Turbine Engines – II
- Helicopter Systems II
- Aviation Management
- Practicals

SEMESTER 6

- Theory Aircraft Structure Systems (Snag Analysis & Rectification) (Mechanical & Avionics)
- Theory Aircraft Practices (Aircraft Engines, Fuel System- Repair, Maintenance, Ground Handling & Documentation)
- Practical Aircraft Structure Systems (Snag Analysis & Rectification) (Mechanical & Avionics)
- Practical Aircraft Practices (Aircraft Engines, Fuel System- Repair, Maintenance, Ground Handling & Documentation)