Aeronautical Engineering

Military Institute of Science and Technology

CORE: AE		
01	AEAS	Fundamentals of Aeronautical Engineering
02	AEAS	Numerical Analysis and Application (with Sessional)
03	AEAS	Engineering Mechanics (Statics and Dynamics)
04	AEAS	Fundamentals of Fluid Mechanics (with Sessional)
05	AEAS	Mechanics of Solids (with Sessional)
06	AEAS	Engineering Thermodynamics (with Sessional)
07	AEAS	Aircraft Aerospace Systems
08	AEAS	Heat Transfer (with Sessional)
09	AEAS	Applied Aerodynamics (with Sessional)
10	AEAS	Aircraft Loading and Structure Analysis
11	AEAS	Material Science and Aerospace Materials (with Sessional)
12	AEAS	Aircraft Stability and Control
13	AEAS	Mechanics of Structures, Structural Vibration and Aero Elasticity
14	AEAS	Machine Design
15	AEAS	Computational Fluid Dynamics (with Sessional)
16	AEAS	Aerospace Vehicle Design (with Sessional)
17	AEAS	Rotor-dynamics and Aircraft Performance
18	AEAS	Space Engineering
19	AEAS	Turbo Machinery (with Sessional)
20	AEAV	Control Systems Engineering (with Sessional)
21	AEAS	High Speed Aerodynamics
22	AEAS	Aeronautical Engineering Drawing 1 Sessional
23	AEAS	Aeronautical Engineering Drawing 2 Sessional
24	AEAS	Industrial Training
25	AEAS	Design and Research Project 1
26	AEAS	Design and Research Project 2
CORE: SCINECE AND TECHNOLOGY		
01	MATH	Differential and Integral Calculus
02	MATH	Differential Equations and Matrix
03	MATH	Vector Analysis, Laplace Transform, Co-ordinate Geometry
04	MATH	Complex Variable, Fourier Analysis, Statistics
05	PHY	Waves and Oscillations, Optics and Modern Physics (with Sessional)
06	PHY	Electricity and Magnetism, Thermal Physics and Mechanics (with Sessional)
07	CHE	Fundamentals of Chemistry (with Sessional)
08	EECE	Electrical Circuit Analysis 1 (with Sessional)
09	EECE	Electronics 1 (with Sessional)
10	CSE	Computer Programming and Application (with Sessional)
11	GERM	Engineering Ethics and Moral Philosophy
12	GERM	Fundamentals of Research Methodology
13	SHOP	Workshop Technology 1 Sessional
14	SHOP	Workshop Technology 2 Sessional
ELECTIVES: AEAS (Any Four Courses)		
01	AEAS	Aerospace Propulsion (with Sessional)
02	AEAS	Measurement and Aircraft Instruments (with Sessional)
03	AEAS	Noise, Control and Vibration
04	AEAS	Rotorcrafts Performance
05	AEAS	Aircrafts Structural Design
06	AEAS	Advanced Materials Processing Technologies
07	AEAS	Fluid Power and Control
08	AEAS	Maintenance Management and Repair of Aircraft
09	AEAS	Aircraft Avionics Technology
10	AEAS	Pressurization and Air Conditioning Systems
11	AEAS	Aviation Safety
12	AEAS	Space Engineering 2
13	AEAS	Aerospace Management
14	AEAS	Weapons Engineering
15	AEAS	Airworthiness Legislations
16	AEAS	Human Performance and Limitations