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| **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 |