**TIME: 🡪 FN 10:00 AM TO 1:00 PM**

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| **BRANCH** | **15-07-2019**  **MONDAY** | **17-07-2019**  **WEDNESDAY** | **19-07-2019**  **FRIDAY** | **22-07 -2019**  **MONDAY** | **24-07-2019**  **WEDNESDAY** |
| **CIVIL ENGINEERING (01-CE)** | Construction Management  (Common to CE, CEE) | E1  Rehabilitation and Retrofitting of Structures | Design and Drawing of Irrigation Structures | Prestressed Concrete Structures | -- |
| Geo Environmental Engineering |
| Solid Waste Management |
| **ELECTRICAL AND ELECTRONICS ENGINEERING (02-EEE)** | Principles of Reliability Engineering | Fundamentals of HVDC and FACTS Devices | Advanced Control Systems | EHV AC Transmission | Neural Networks and Fuzzy Logic  (Common to EEE, EIE) |
| Renewable Energy Sources |
| Nanotechnology |

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| **BRANCH** | **15-07-2019**  **MONDAY** | **17-07-2019**  **WEDNESDAY** | **19-07-2019**  **FRIDAY** | **22-07 -2019**  **MONDAY** | **24-07-2019**  **WEDNESDAY** |
| **MECHANICAL ENGINEERING (03-ME)** | Production Planning and Control  (Common to ME, MECT) | Artificial Neural Networks (Common to ME,MECT,MSNT) | Computational fluid dynamics (Common to ME,MSNT) | - | Plant layout and Material Handling  (Common to ME,AME) |
| Maintenance and Safety Engineering (Common to ME, AME, MSNT) | Gas Dynamics |
| Total Quality Management | Jet Propulsion & Rocket Engineering |
| Renewable Energy Sources  (Common to ME, AME, MSNT) |
| **ELECTRONICS AND COMMUNICATION ENGINEERING (04-ECE)** | Network Security  (Common to ECE, ETM) | Artificial Neural Networks | Digital signal processors and architectures | Wireless communications and networks  (Common to ECE, ETM) |  |
| Radar Systems (Common to ECE, ETM) | Biomedical Instrumentation | RF Circuit Design  (Common to ECE, ETM) |
| Telecommunication Switching Systems and Networks | Satellite Communications  (Common to ECE, ETM) |  |

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| **COMPUTER SCIENCE AND ENGINEERING (05-CSE)** | Management Science  (Common to CSE, IT) | Information Security Incident Response & Management (Security Analyst 3) (Common to CSE, IT) | Database Security | Ad hoc and Sensor Networks  (Common to CSE, IT) | Multimedia & Rich Internet Applications-  (Common to CSE, IT) |
| Predictive Analytics (Associate Analytics 3)  (Common to CSE, IT) | Embedded Systems |
| Scripting Languages | Storage Area Networks  (Common to CSE, IT) |
| Semantic Web and Social Networks |
| Web Services |
| **CHEMICAL ENGINEERING (08-CHEM)** | Industrial Pollution & Control Engineering | Fluidization Engineering | Energy Engineering | -- | -- |
| Membrane Technology -  (Common to CHEM, PTME) | Food Processing Technology |
| Technology of Pharmaceuticals and Fine Chemicals | Industrial safety and Hazard management |

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| **ELECTRONICS AND INSTRUMENTATION ENGINEERING (10-EIE)** | Digital Image Processing | -- | Instrumentation Practice in Industries | E2  Reliability Engineering (Common to EIE, BME, AME) | Neural Networks and Fuzzy Logic  (Common to EEE, EIE) |
| MEMS Application |
| Power Plant Instrumentation | SCADA & DCS |
| **BIO-MEDICAL ENGINEERING (11-BME)** | Biomaterials | Telemedicine | Biometric Systems | E2   Reliability Engineering -  (Common to EIE, BME, AME) |  |
| Transportation Phenomena in living systems | Medical Informatics |
|  | Robotics and Automation |

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| **INFORMATION TECHNOLOGY (12-IT)** | Management Science  (Common to CSE, IT) | E - Commerce | Storage Area Networks  (Common to CSE, IT) | Ad hoc and Sensor Networks (Common to CSE, IT) | Multimedia & Rich Internet Applications  (Common to CSE, IT) |
| Middleware Technologies |
| Information Security Incident Response & Management (Security Analyst-3) (Common to CSE, IT) | Machine Learning | Web Services |
| Predictive Analytics (Associate Analytics-3) (Common to CSE, IT) | Artificial Intelligence |
| **MECHANICAL ENGINEERING -MECHATRONICS (14-MECT)** | Concurrent Engineering | Artificial Neural Networks  (Common to ME,MECT,MST) | Automation in Manufacturing  (Common to MECT, AME) | E1  MEMS Design |  |
| Mathematical Modeling and Simulation |
| Plant Engineering & Maintenance | MATLAB Applications |
| Production Planning and Control  (Common to ME, MECT) | Principles of Entrepreneurship (Common to MECT, ACE) |

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| **ELECTRONICS AND TELEMATICS ENGINEERING (17-ETM)** | Network Security  (Common to ECE, ETM) | Cellular and Mobile Communications | Internetworking | Wireless communications and networks (Common to ECE, ETM) |  |
| Radar Systems (Common to ECE, ETM) | Microwave Engineering | Pattern Recognition |
| RF Circuit Design  (Common to ECE, ETM) |
| Satellite Communications |
| **METALLURGICAL AND MATERIALS ENGINEERING (18-MMT)** | Composite Materials | Advanced Materials | Selection of Materials for Engineering Applications | Ferro Alloy Technology |  |
| Nano Materials |
| Nuclear Metallurgy | Super Alloys |
| **AERONAUTICAL ENGINEERING (21-AE)** | Avionics & Instrument Systems | Airport Planning and Operations | Aero elasticity |  |  |
| Analysis of Composite Structures | Heat Transfer |
| Helicopter Engineering | Launch Vehicle and Missile Technology |
| Hypersonic Aerodynamics | Wind Engineering and Industrial Aerodynamics |

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| **BIO TECHNOLOGY**  **(23-BT)** | Bioprocess optimization and plant design | Food Biotechnology | Clinical Trials & Regulatory Affairs |  |  |
| Nanobiotechnology | Metabolic Engineering |
| **AUTOMOBILE ENGINEERING  (24-AME)** | Alternative Fuels for Automobiles | Maintenance and Safety Engineering  (Common to ME, AME, MSNT) | Automation in Manufacturing  (Common to MECT, AME) | E1  Reliability Engineering  (Common to EIE, BME, AME) | Plant layout and Material Handling  (Common to ME,AME) |
| Renewable Energy Sources (Common to ME, AME, MSNT) |
| Product Design and Assembly Automation | Principles of Entrepreneurship |
| Vehicle Transport Management |
| **MINING ENGINEERING (25 - MIE)** | Mine Ground Control | Mine Electrical Engineering | Deep Seam Mining |  |  |
| Planning of Surface Mining Project | Geological & Technological factors of Coal  Gasification CBM, Shale Gab |
| Planning of Underground Coal Mining Project | Maintenance & Reliability Engineering |
| Planning of Underground Metal Mining Project | Mine Health & Safety Engineering |

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| **PETROLEUM ENGINEERING (27 - PTME)** | -- | Membrane Technology  (Common to CHEM, PTME) | Advanced Natural Gas Engineering | Petroleum Engineering Economics, Policies & Laws | Reservoir Stimulation |
| Multi phase Flow in Porous Media | Green Fuel Technologies |
| Reservoir Modeling & Simulation | Natural Gas Hydrates |
| Transport Phenomena |
| **CIVIL AND ENVIRONMENTAL ENGINEERING (28 - CEE)** | Construction Management  (Common to CE, CEE) | Environmental Impact Assessment | Ground Improvement Techniques |  |  |
| Ground Water Pollution |
| Water Quality Management |

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| **MECHANICAL ENGINEERING (MATERIAL SCIENCE AND NANO TECHNOLOGY) (29 - MSNT)** | Nano Composites | Artificial Neural Networks  (Common to ME,MECT,MSNT) | Renewable Energy Sources (Common to ME, AME, MSNT) | Biomedical application of Nanotechnology |  |
| Maintenance and Safety Engineering(Common to ME, AME, MSNT) | Computational fluid dynamics  (Common to ME,MSNT) | Nanotechnologies for Water and Environment Applications |
| Nanotechnology for Energy Systems |
| Nanotoxicology |
| **AGRICULTURE  ENGINEERING (30 - ACE)** | Design of Agricultural Machinery | Agricultural and Farm Structures | Design of Tractors |  |  |
| Hydraulic Devices and Control | GIS and Remote Sensing |
| Principles of Entrepreneurship  MECT, ACE) | Human Engineering and Safety |

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**Note:**

1. ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS IMMEDIATELY.
2. EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES, THE EXAMINATIONS SHALL BE CONDUCTED AS USUAL
3. READMITTED STUDENTS HAVE TO APPEAR FOR THE SUBSTITUTE SUBJECT(S) [WHICH IS/ARE NOT SHOWN IN THE TIME-TABLE] IN PLACE OF THE SUBJECT(S) ALREADY PASSED. FOR DETAILS OF SUBSTITUTE SUBJECTS REFER THE COMMUNICATIONS RECEIVED FROM THE DIRECTOR OF ACADEMIC & PLANNING.