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| BranchCode \ Dates | **03-02-2025  (Monday)** | **05-02-2025  (Wednesday)** |
| **(ELECTIVE-5)** | **(OPEN ELECTIVE)** |
| **CADCAM (04)** | COMPOSITE MATERIALS  ARTIFICIAL INTELLIGENCE MANUFACTURING  DESIGN FOR MANUFACTURING & ASSEMBLY | INTELLECTUAL PROPERTY RIGHTS  CYBER PHYSICAL SYSTEMS  ENVIRONMENTAL POLLUTION AND CONTROL  SERVICE ORIENTED ARCHITECTURES  ENERGY FROM WASTE  COST MANAGEMENT OF ENGINEERING PROJECTS  DIGITAL FORENSICS  BIG DATA ANALYTICS  SAFETY AND CONSTRUCTION PRACTICE REGULATIONS  GRAPH ANALYTICS  COMPOSITE MATERIALS  CONSTRUCTION PROJECT MANAGEMENT  STATISTICAL FOUNDATIONS FOR DATA SCIENCE  ADVANCED ARTIFICIAL INTELLIGENCE  GREEN BUILDING TECHNOLOGY  FAULT TOLERANCE SYSTEMS  INTRUSION DETECTION SYSTEMS  PHOTOVOLTAIC SYSTEMS  OPERATIONS RESEARCH  OPTIMIZATION TECHNIQUES |

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| **(ELECTIVE-5)** | **(OPEN ELECTIVE)** |
| **COMPUTER SCIENCE (05)** | HIGH PERFORMANCE COMPUTING  QUANTUM COMPUTING  DIGITAL FORENSICS | INDUSTRIAL SAFETY (SYLLABUS FROM ENGINEERING DESIGN\_MECHANICAL DEPT)  OPERATIONS RESEARCH  INDUSTRIAL SAFETY  PRINCIPLES OF AUTOMATION  BASICS OF REFRIGERATION SYSTEMS  WASTE TO ENERGY  BUSINESS ANALYTICS  COMPOSITE MATERIALS  CONSTRUCTION PROJECT MANAGEMENT  ENVIRONMENTAL POLLUTION AND CONTROL  CONCURRENT ENGINEERING  COST MANAGEMENT OF ENGINEERING PROJECTS  ARTIFICIAL NEURAL NETWORKS  ENERGY FROM WASTE  INTRODUCTION TO THERMAL STORAGE SYSTEMS  PHOTOVOLTAIC SYSTEMS  GREEN BUILDING TECHNOLOGY  SAFETY AND CONSTRUCTION PRACTICE REGULATIONS |

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| **(ELECTIVE-5)** | **(OPEN ELECTIVE)** |
| **DIGITAL SYSTEMS AND COMPUTER ELECTRONICS (06)** | 5G AND BEYOND COMMUNICATIONS  EMBEDDED NETWORKS  SOFT COMPUTING TECHNIQUES | PRINCIPLES OF AUTOMATION  WASTE TO ENERGY  PHOTOVOLTAIC SYSTEMS  ENVIRONMENTAL POLLUTION AND CONTROL  OPTIMIZATION TECHNIQUES  CYBER PHYSICAL SYSTEMS  STATISTICAL FOUNDATIONS FOR DATA SCIENCE  ENERGY FROM WASTE  GRAPH ANALYTICS  CONCURRENT ENGINEERING  CONSTRUCTION PROJECT MANAGEMENT  INTRUSION DETECTION SYSTEMS  FAULT TOLERANCE SYSTEMS  ARTIFICIAL NEURAL NETWORKS  INDUSTRIAL SAFETY (SYLLABUS FROM ENGINEERING DESIGN\_MECHANICAL DEPT)  SAFETY AND CONSTRUCTION PRACTICE REGULATIONS  ADVANCED ARTIFICIAL INTELLIGENCE  BIG DATA ANALYTICS  DIGITAL FORENSICS  INTELLECTUAL PROPERTY RIGHTS  BASICS OF REFRIGERATION SYSTEMS  SERVICE ORIENTED ARCHITECTURES  INTRODUCTION TO THERMAL STORAGE SYSTEMS  GREEN BUILDING TECHNOLOGY |

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| **ELECTRICAL POWER SYSTEMS (07)** | SCADA SYSTEM AND APPLICATIONS  GAS INSULATED SYSTEMS  FACTS AND CUSTOM POWER DEVICES  POWER SYSTEM TRANSIENTS | INTELLECTUAL PROPERTY RIGHTS  CONSTRUCTION PROJECT MANAGEMENT  OPTIMIZATION TECHNIQUES  PRINCIPLES OF AUTOMATION  SERVICE ORIENTED ARCHITECTURES  SAFETY AND CONSTRUCTION PRACTICE REGULATIONS  DIGITAL FORENSICS  BASICS OF REFRIGERATION SYSTEMS  GRAPH ANALYTICS  INTRODUCTION TO THERMAL STORAGE SYSTEMS  INTRUSION DETECTION SYSTEMS  ARTIFICIAL NEURAL NETWORKS  CYBER PHYSICAL SYSTEMS  BIG DATA ANALYTICS  COMPOSITE MATERIALS  ENERGY FROM WASTE  STATISTICAL FOUNDATIONS FOR DATA SCIENCE  ENVIRONMENTAL POLLUTION AND CONTROL  FAULT TOLERANCE SYSTEMS  GREEN BUILDING TECHNOLOGY  ADVANCED ARTIFICIAL INTELLIGENCE  CONCURRENT ENGINEERING  INDUSTRIAL SAFETY (SYLLABUS FROM ENGINEERING DESIGN\_MECHANICAL DEPT)  WASTE TO ENERGY |

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| **ENVIRONMENTAL ENGINEERING (11)** | ENVIRONMENTAL BIOTECHNOLOGY  INSTRUMENTAL METHODS OF ANALYSIS  RURAL WATER SUPPLY AND ENVIRONMENTAL SANITATION | INTRODUCTION TO THERMAL STORAGE SYSTEMS  CYBER PHYSICAL SYSTEMS  ARTIFICIAL NEURAL NETWORKS  SERVICE ORIENTED ARCHITECTURES  ADVANCED ARTIFICIAL INTELLIGENCE  DIGITAL FORENSICS  INTELLECTUAL PROPERTY RIGHTS  FAULT TOLERANCE SYSTEMS  GRAPH ANALYTICS  PRINCIPLES OF AUTOMATION  COMPOSITE MATERIALS  INTRUSION DETECTION SYSTEMS  COST MANAGEMENT OF ENGINEERING PROJECTS  INDUSTRIAL SAFETY (SYLLABUS FROM ENGINEERING DESIGN\_MECHANICAL DEPT)  BIG DATA ANALYTICS  BASICS OF REFRIGERATION SYSTEMS  PHOTOVOLTAIC SYSTEMS  INDUSTRIAL SAFETY  BUSINESS ANALYTICS  STATISTICAL FOUNDATIONS FOR DATA SCIENCE  CONCURRENT ENGINEERING  OPERATIONS RESEARCH  WASTE TO ENERGY  OPTIMIZATION TECHNIQUES |

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| **INDUSTRIAL ENGINEERING AND MNGT (13)** | FINANCIAL MANAGEMENT  PRODUCT DATA MANAGEMENT | STATISTICAL FOUNDATIONS FOR DATA SCIENCE  SERVICE ORIENTED ARCHITECTURES  GREEN BUILDING TECHNOLOGY  OPTIMIZATION TECHNIQUES  CONSTRUCTION PROJECT MANAGEMENT  CYBER PHYSICAL SYSTEMS  BIG DATA ANALYTICS  FAULT TOLERANCE SYSTEMS  SAFETY AND CONSTRUCTION PRACTICE REGULATIONS  COST MANAGEMENT OF ENGINEERING PROJECTS  ENVIRONMENTAL POLLUTION AND CONTROL  PHOTOVOLTAIC SYSTEMS  INTELLECTUAL PROPERTY RIGHTS  DIGITAL FORENSICS  ADVANCED ARTIFICIAL INTELLIGENCE  COMPOSITE MATERIALS  OPERATIONS RESEARCH  ENERGY FROM WASTE  INTRUSION DETECTION SYSTEMS  GRAPH ANALYTICS |

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| **(ELECTIVE-5)** | **(OPEN ELECTIVE)** |
| **STRUCTURAL ENGINEERING (20)** | EARTHQUAKE RESISTANT DESIGN OF STRUCTURES  REHABILATION AND RETROFITTING OF STRUCTURES  PRE ENGINEERED BUILDINGS | BUSINESS ANALYTICS  STATISTICAL FOUNDATIONS FOR DATA SCIENCE  INTRODUCTION TO THERMAL STORAGE SYSTEMS  COST MANAGEMENT OF ENGINEERING PROJECTS  BIG DATA ANALYTICS  CYBER PHYSICAL SYSTEMS  DIGITAL FORENSICS  GRAPH ANALYTICS  WASTE TO ENERGY  FAULT TOLERANCE SYSTEMS  PRINCIPLES OF AUTOMATION  INDUSTRIAL SAFETY (SYLLABUS FROM ENGINEERING DESIGN\_MECHANICAL DEPT)  INTRUSION DETECTION SYSTEMS  INDUSTRIAL SAFETY  ARTIFICIAL NEURAL NETWORKS  CONCURRENT ENGINEERING  COMPOSITE MATERIALS  OPTIMIZATION TECHNIQUES  BASICS OF REFRIGERATION SYSTEMS  ADVANCED ARTIFICIAL INTELLIGENCE  INTELLECTUAL PROPERTY RIGHTS  OPERATIONS RESEARCH  PHOTOVOLTAIC SYSTEMS  SERVICE ORIENTED ARCHITECTURES |

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| **THERMAL ENGINEERING (21)** | EQUIPMENT DESIGN FOR THERMAL SYSTEMS  REFRIGERATION & HVAC  GAS DYNAMICS | INTRUSION DETECTION SYSTEMS  ENVIRONMENTAL POLLUTION AND CONTROL  DIGITAL FORENSICS  OPERATIONS RESEARCH  COST MANAGEMENT OF ENGINEERING PROJECTS  PHOTOVOLTAIC SYSTEMS  BIG DATA ANALYTICS  GREEN BUILDING TECHNOLOGY  ADVANCED ARTIFICIAL INTELLIGENCE  OPTIMIZATION TECHNIQUES  FAULT TOLERANCE SYSTEMS  INTELLECTUAL PROPERTY RIGHTS  ENERGY FROM WASTE  SAFETY AND CONSTRUCTION PRACTICE REGULATIONS  COMPOSITE MATERIALS  SERVICE ORIENTED ARCHITECTURES  CONSTRUCTION PROJECT MANAGEMENT  GRAPH ANALYTICS  STATISTICAL FOUNDATIONS FOR DATA SCIENCE  CYBER PHYSICAL SYSTEMS |

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| **MICRO WAVE AND RADAR ENGINEERING (30)** | MICROWAVE IMAGING  RF MEMS  5G AND BEYOND COMMUNICATIONS | OPTIMIZATION TECHNIQUES  GREEN BUILDING TECHNOLOGY  CONSTRUCTION PROJECT MANAGEMENT  ENVIRONMENTAL POLLUTION AND CONTROL  WASTE TO ENERGY  BIG DATA ANALYTICS  ENERGY FROM WASTE  PHOTOVOLTAIC SYSTEMS  CYBER PHYSICAL SYSTEMS  GRAPH ANALYTICS  DIGITAL FORENSICS  STATISTICAL FOUNDATIONS FOR DATA SCIENCE  SAFETY AND CONSTRUCTION PRACTICE REGULATIONS  INTRODUCTION TO THERMAL STORAGE SYSTEMS  SERVICE ORIENTED ARCHITECTURES  PRINCIPLES OF AUTOMATION  ARTIFICIAL NEURAL NETWORKS  INTRUSION DETECTION SYSTEMS  CONCURRENT ENGINEERING  INTELLECTUAL PROPERTY RIGHTS  FAULT TOLERANCE SYSTEMS  INDUSTRIAL SAFETY (SYLLABUS FROM ENGINEERING DESIGN\_MECHANICAL DEPT)  ADVANCED ARTIFICIAL INTELLIGENCE  BASICS OF REFRIGERATION SYSTEMS |

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| **(ELECTIVE-5)** | **(OPEN ELECTIVE)** |
| **ADVANCED MANUFACTURING SYSTEMS (33)** | FLEXIBLE MANUFACTURING SYSTEMS  MEMS  PRODUCTION AND OPERATIONS MANAGEMENT | INTRUSION DETECTION SYSTEMS  DIGITAL FORENSICS  ENERGY FROM WASTE  OPTIMIZATION TECHNIQUES  STATISTICAL FOUNDATIONS FOR DATA SCIENCE  ADVANCED ARTIFICIAL INTELLIGENCE  GRAPH ANALYTICS  CYBER PHYSICAL SYSTEMS  PHOTOVOLTAIC SYSTEMS  BIG DATA ANALYTICS  FAULT TOLERANCE SYSTEMS  SAFETY AND CONSTRUCTION PRACTICE REGULATIONS  OPERATIONS RESEARCH  INTELLECTUAL PROPERTY RIGHTS  SERVICE ORIENTED ARCHITECTURES  COST MANAGEMENT OF ENGINEERING PROJECTS  CONSTRUCTION PROJECT MANAGEMENT  GREEN BUILDING TECHNOLOGY  COMPOSITE MATERIALS  ENVIRONMENTAL POLLUTION AND CONTROL |

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| **INFORMATION TECHNOLOGY (40)** | DEVOPS  BLOCKCHAIN TECHNOLOGY  INTERNET OF THINGS | BUSINESS ANALYTICS  INDUSTRIAL SAFETY  CONCURRENT ENGINEERING  PRINCIPLES OF AUTOMATION  COST MANAGEMENT OF ENGINEERING PROJECTS  CONSTRUCTION PROJECT MANAGEMENT  INDUSTRIAL SAFETY (SYLLABUS FROM ENGINEERING DESIGN\_MECHANICAL DEPT)  INTRODUCTION TO THERMAL STORAGE SYSTEMS  OPERATIONS RESEARCH  ENERGY FROM WASTE  BASICS OF REFRIGERATION SYSTEMS  ARTIFICIAL NEURAL NETWORKS  GREEN BUILDING TECHNOLOGY  WASTE TO ENERGY  COMPOSITE MATERIALS  ENVIRONMENTAL POLLUTION AND CONTROL  SAFETY AND CONSTRUCTION PRACTICE REGULATIONS  PHOTOVOLTAIC SYSTEMS |

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| **POWER ELECTRONICS (43)** | ENERGY STORAGE TECHNOLOGIES  RELIABILITY ENGINEERING  DYNAMICS OF ELECRICAL MACHINES  SCADA SYSTEMS AND APPLICATIONS | INTELLECTUAL PROPERTY RIGHTS  STATISTICAL FOUNDATIONS FOR DATA SCIENCE  DIGITAL FORENSICS  OPTIMIZATION TECHNIQUES  INTRODUCTION TO THERMAL STORAGE SYSTEMS  FAULT TOLERANCE SYSTEMS  WASTE TO ENERGY  ENVIRONMENTAL POLLUTION AND CONTROL  INTRUSION DETECTION SYSTEMS  BASICS OF REFRIGERATION SYSTEMS  GRAPH ANALYTICS  CONCURRENT ENGINEERING  ENERGY FROM WASTE  SERVICE ORIENTED ARCHITECTURES  CYBER PHYSICAL SYSTEMS  ADVANCED ARTIFICIAL INTELLIGENCE  SAFETY AND CONSTRUCTION PRACTICE REGULATIONS  CONSTRUCTION PROJECT MANAGEMENT  INDUSTRIAL SAFETY (SYLLABUS FROM ENGINEERING DESIGN\_MECHANICAL DEPT)  BIG DATA ANALYTICS  GREEN BUILDING TECHNOLOGY  PRINCIPLES OF AUTOMATION  ARTIFICIAL NEURAL NETWORKS |

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| **ELECTRICAL POWER ENGINEERING (49)** | FACTS AND CUSTOM POWER DEVICES  GAS INSULATED SYSTEMS  SCADA SYSTEM AND APPLICATIONS  POWER SYSTEM TRANSIENTS | ARTIFICIAL NEURAL NETWORKS  INTRODUCTION TO THERMAL STORAGE SYSTEMS  BIG DATA ANALYTICS  ADVANCED ARTIFICIAL INTELLIGENCE  CONCURRENT ENGINEERING  INTELLECTUAL PROPERTY RIGHTS  SAFETY AND CONSTRUCTION PRACTICE REGULATIONS  INDUSTRIAL SAFETY (SYLLABUS FROM ENGINEERING DESIGN\_MECHANICAL DEPT)  INTRUSION DETECTION SYSTEMS  GRAPH ANALYTICS  CYBER PHYSICAL SYSTEMS  SERVICE ORIENTED ARCHITECTURES  PRINCIPLES OF AUTOMATION  WASTE TO ENERGY  CONSTRUCTION PROJECT MANAGEMENT  ENVIRONMENTAL POLLUTION AND CONTROL  GREEN BUILDING TECHNOLOGY  STATISTICAL FOUNDATIONS FOR DATA SCIENCE  DIGITAL FORENSICS  OPTIMIZATION TECHNIQUES  ENERGY FROM WASTE  BASICS OF REFRIGERATION SYSTEMS  FAULT TOLERANCE SYSTEMS |

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| **POWER ELECTRONICS AND ELECTRIC DRIVES (54)** | FLEXIBLE AC TRANSMISSION SYSTEMS  DYNAMICS OF ELECTRICAL MACHINES  ENERGY STORAGE TECHNOLOGIES  RELIABILITY ENGINEERING | ARTIFICIAL NEURAL NETWORKS  ENVIRONMENTAL POLLUTION AND CONTROL  CYBER PHYSICAL SYSTEMS  SAFETY AND CONSTRUCTION PRACTICE REGULATIONS  DIGITAL FORENSICS  GREEN BUILDING TECHNOLOGY  WASTE TO ENERGY  INDUSTRIAL SAFETY (SYLLABUS FROM ENGINEERING DESIGN\_MECHANICAL DEPT)  INTRUSION DETECTION SYSTEMS  OPTIMIZATION TECHNIQUES  PRINCIPLES OF AUTOMATION  INTELLECTUAL PROPERTY RIGHTS  BASICS OF REFRIGERATION SYSTEMS  CONCURRENT ENGINEERING  FAULT TOLERANCE SYSTEMS  INTRODUCTION TO THERMAL STORAGE SYSTEMS  CONSTRUCTION PROJECT MANAGEMENT  BIG DATA ANALYTICS  ENERGY FROM WASTE  ADVANCED ARTIFICIAL INTELLIGENCE  GRAPH ANALYTICS  STATISTICAL FOUNDATIONS FOR DATA SCIENCE  SERVICE ORIENTED ARCHITECTURES |

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| **EMBEDDED SYSTEMS (55)** | CMOS MIXED SIGNAL DESIGN  EMBEDDED NETWORKS  HUMAN MACHINE INTERFACE | SAFETY AND CONSTRUCTION PRACTICE REGULATIONS  CONSTRUCTION PROJECT MANAGEMENT  INTELLECTUAL PROPERTY RIGHTS  INTRODUCTION TO THERMAL STORAGE SYSTEMS  PRINCIPLES OF AUTOMATION  OPTIMIZATION TECHNIQUES  DIGITAL FORENSICS  CYBER PHYSICAL SYSTEMS  GRAPH ANALYTICS  CONCURRENT ENGINEERING  ENERGY FROM WASTE  BASICS OF REFRIGERATION SYSTEMS  PHOTOVOLTAIC SYSTEMS  BIG DATA ANALYTICS  WASTE TO ENERGY  STATISTICAL FOUNDATIONS FOR DATA SCIENCE  ENVIRONMENTAL POLLUTION AND CONTROL  INTRUSION DETECTION SYSTEMS  FAULT TOLERANCE SYSTEMS  ARTIFICIAL NEURAL NETWORKS  GREEN BUILDING TECHNOLOGY  ADVANCED ARTIFICIAL INTELLIGENCE  INDUSTRIAL SAFETY (SYLLABUS FROM ENGINEERING DESIGN\_MECHANICAL DEPT)  SERVICE ORIENTED ARCHITECTURES |

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| **VLSI SYSTEM DESIGN (57)** | ADVANCED COMPUTER ARCHITECTURE  HARDWARE SECURITY  NANOMATERIALS & NANOTECHNOLOGY | ARTIFICIAL NEURAL NETWORKS  STATISTICAL FOUNDATIONS FOR DATA SCIENCE  SAFETY AND CONSTRUCTION PRACTICE REGULATIONS  GREEN BUILDING TECHNOLOGY  CONCURRENT ENGINEERING  ENVIRONMENTAL POLLUTION AND CONTROL  INDUSTRIAL SAFETY (SYLLABUS FROM ENGINEERING DESIGN\_MECHANICAL DEPT)  GRAPH ANALYTICS  DIGITAL FORENSICS  INTRODUCTION TO THERMAL STORAGE SYSTEMS  OPTIMIZATION TECHNIQUES  BASICS OF REFRIGERATION SYSTEMS  PRINCIPLES OF AUTOMATION  PHOTOVOLTAIC SYSTEMS  CONSTRUCTION PROJECT MANAGEMENT  INTELLECTUAL PROPERTY RIGHTS  FAULT TOLERANCE SYSTEMS  ADVANCED ARTIFICIAL INTELLIGENCE  WASTE TO ENERGY  SERVICE ORIENTED ARCHITECTURES  BIG DATA ANALYTICS  CYBER PHYSICAL SYSTEMS  ENERGY FROM WASTE  INTRUSION DETECTION SYSTEMS |

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| **COMPUTER SCIENCE AND ENGINEERING (58)** | DIGITAL FORENSICS  QUANTUM COMPUTING  HIGH PERFORMANCE COMPUTING | PRINCIPLES OF AUTOMATION  COST MANAGEMENT OF ENGINEERING PROJECTS  WASTE TO ENERGY  ENERGY FROM WASTE  ENVIRONMENTAL POLLUTION AND CONTROL  GREEN BUILDING TECHNOLOGY  CONSTRUCTION PROJECT MANAGEMENT  BUSINESS ANALYTICS  BASICS OF REFRIGERATION SYSTEMS  PHOTOVOLTAIC SYSTEMS  ARTIFICIAL NEURAL NETWORKS  COMPOSITE MATERIALS  INDUSTRIAL SAFETY  INDUSTRIAL SAFETY (SYLLABUS FROM ENGINEERING DESIGN\_MECHANICAL DEPT)  OPERATIONS RESEARCH  CONCURRENT ENGINEERING  INTRODUCTION TO THERMAL STORAGE SYSTEMS  SAFETY AND CONSTRUCTION PRACTICE REGULATIONS |

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| **WEB TECHNOLOGIES (62)** | DEVOPS  INTERNET OF THINGS  BLOCKCHAIN TECHNOLOGY | ENVIRONMENTAL POLLUTION AND CONTROL  ENERGY FROM WASTE  SAFETY AND CONSTRUCTION PRACTICE REGULATIONS  PHOTOVOLTAIC SYSTEMS  INDUSTRIAL SAFETY (SYLLABUS FROM ENGINEERING DESIGN\_MECHANICAL DEPT)  COMPOSITE MATERIALS  INTRODUCTION TO THERMAL STORAGE SYSTEMS  WASTE TO ENERGY  INDUSTRIAL SAFETY  ARTIFICIAL NEURAL NETWORKS  OPERATIONS RESEARCH  COST MANAGEMENT OF ENGINEERING PROJECTS  CONSTRUCTION PROJECT MANAGEMENT  CONCURRENT ENGINEERING  GREEN BUILDING TECHNOLOGY  BASICS OF REFRIGERATION SYSTEMS  PRINCIPLES OF AUTOMATION  BUSINESS ANALYTICS |

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| **POWER ENGINEERING AND ENERGY SYSTEMS (64)** | GAS INSULATED SYSTEMS  HYDROGEN FUEL CELLS  SCADA SYSTEM AND APPLICATIONS  FACTS AND CUSTOM POWER DEVICES | INTELLECTUAL PROPERTY RIGHTS  INTRUSION DETECTION SYSTEMS  PRINCIPLES OF AUTOMATION  ARTIFICIAL NEURAL NETWORKS  STATISTICAL FOUNDATIONS FOR DATA SCIENCE  SAFETY AND CONSTRUCTION PRACTICE REGULATIONS  OPTIMIZATION TECHNIQUES  GREEN BUILDING TECHNOLOGY  BASICS OF REFRIGERATION SYSTEMS  INTRODUCTION TO THERMAL STORAGE SYSTEMS  DIGITAL FORENSICS  GRAPH ANALYTICS  ADVANCED ARTIFICIAL INTELLIGENCE  FAULT TOLERANCE SYSTEMS  CYBER PHYSICAL SYSTEMS  CONCURRENT ENGINEERING  ENVIRONMENTAL POLLUTION AND CONTROL  BIG DATA ANALYTICS  CONSTRUCTION PROJECT MANAGEMENT  WASTE TO ENERGY  ENERGY FROM WASTE  SERVICE ORIENTED ARCHITECTURES  INDUSTRIAL SAFETY (SYLLABUS FROM ENGINEERING DESIGN\_MECHANICAL DEPT) |

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| **VLSI AND EMBEDDED SYSTEMS (68)** | CMOS MIXED SIGNAL DESIGN  EMBEDDED NETWORKS  NANO MATERIALS AND NANO TECHNOLOGY | OPTIMIZATION TECHNIQUES  PRINCIPLES OF AUTOMATION  INTELLECTUAL PROPERTY RIGHTS  DIGITAL FORENSICS  BASICS OF REFRIGERATION SYSTEMS  FAULT TOLERANCE SYSTEMS  STATISTICAL FOUNDATIONS FOR DATA SCIENCE  PHOTOVOLTAIC SYSTEMS  INTRUSION DETECTION SYSTEMS  GREEN BUILDING TECHNOLOGY  WASTE TO ENERGY  CONCURRENT ENGINEERING  CYBER PHYSICAL SYSTEMS  SAFETY AND CONSTRUCTION PRACTICE REGULATIONS  BIG DATA ANALYTICS  ARTIFICIAL NEURAL NETWORKS  ADVANCED ARTIFICIAL INTELLIGENCE  INTRODUCTION TO THERMAL STORAGE SYSTEMS  CONSTRUCTION PROJECT MANAGEMENT  SERVICE ORIENTED ARCHITECTURES  GRAPH ANALYTICS  ENVIRONMENTAL POLLUTION AND CONTROL  ENERGY FROM WASTE  INDUSTRIAL SAFETY (SYLLABUS FROM ENGINEERING DESIGN\_MECHANICAL DEPT) |

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| **ELECTRONICS AND COMMUNICATION (70)** | AD HOC & WIRELESS SENSOR NETWORKS  EMBEDDED NETWORKS  5G AND BEYOND COMMUNICATIONS | PHOTOVOLTAIC SYSTEMS  OPTIMIZATION TECHNIQUES  FAULT TOLERANCE SYSTEMS  INTRODUCTION TO THERMAL STORAGE SYSTEMS  SAFETY AND CONSTRUCTION PRACTICE REGULATIONS  PRINCIPLES OF AUTOMATION  ADVANCED ARTIFICIAL INTELLIGENCE  GRAPH ANALYTICS  CONSTRUCTION PROJECT MANAGEMENT  INTRUSION DETECTION SYSTEMS  CONCURRENT ENGINEERING  BASICS OF REFRIGERATION SYSTEMS  ENVIRONMENTAL POLLUTION AND CONTROL  DIGITAL FORENSICS  ENERGY FROM WASTE  BIG DATA ANALYTICS  GREEN BUILDING TECHNOLOGY  WASTE TO ENERGY  STATISTICAL FOUNDATIONS FOR DATA SCIENCE  ARTIFICIAL NEURAL NETWORKS  CYBER PHYSICAL SYSTEMS  INDUSTRIAL SAFETY (SYLLABUS FROM ENGINEERING DESIGN\_MECHANICAL DEPT)  INTELLECTUAL PROPERTY RIGHTS  SERVICE ORIENTED ARCHITECTURES |

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| **EMBEDDED SYSTEMS AND VLSI DESIGN (77)** | CMOS MIXED SIGNAL DESIGN  NANO MATERIALS AND NANO TECHNOLOGY  EMBEDDED NETWORKS | CYBER PHYSICAL SYSTEMS  ENERGY FROM WASTE  PHOTOVOLTAIC SYSTEMS  ARTIFICIAL NEURAL NETWORKS  BIG DATA ANALYTICS  STATISTICAL FOUNDATIONS FOR DATA SCIENCE  CONSTRUCTION PROJECT MANAGEMENT  WASTE TO ENERGY  INDUSTRIAL SAFETY (SYLLABUS FROM ENGINEERING DESIGN\_MECHANICAL DEPT)  BASICS OF REFRIGERATION SYSTEMS  SERVICE ORIENTED ARCHITECTURES  ENVIRONMENTAL POLLUTION AND CONTROL  INTELLECTUAL PROPERTY RIGHTS  INTRUSION DETECTION SYSTEMS  OPTIMIZATION TECHNIQUES  CONCURRENT ENGINEERING  PRINCIPLES OF AUTOMATION  SAFETY AND CONSTRUCTION PRACTICE REGULATIONS  FAULT TOLERANCE SYSTEMS  ADVANCED ARTIFICIAL INTELLIGENCE  GREEN BUILDING TECHNOLOGY  GRAPH ANALYTICS  DIGITAL FORENSICS  INTRODUCTION TO THERMAL STORAGE SYSTEMS |

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| **COMPUTER NETWORKS AND INFORMATION SECURITY (78)** | VEHICULAR AD HOC NETWORKS  CYBER SECURITY  NETWORK MANAGEMENT SYSTEMS AND OPERATIONS | COMPOSITE MATERIALS  GREEN BUILDING TECHNOLOGY  CONSTRUCTION PROJECT MANAGEMENT  COST MANAGEMENT OF ENGINEERING PROJECTS  PRINCIPLES OF AUTOMATION  ENERGY FROM WASTE  OPERATIONS RESEARCH  BASICS OF REFRIGERATION SYSTEMS  PHOTOVOLTAIC SYSTEMS  WASTE TO ENERGY  ARTIFICIAL NEURAL NETWORKS  INDUSTRIAL SAFETY  SAFETY AND CONSTRUCTION PRACTICE REGULATIONS  CONCURRENT ENGINEERING  BUSINESS ANALYTICS  INDUSTRIAL SAFETY (SYLLABUS FROM ENGINEERING DESIGN\_MECHANICAL DEPT)  ENVIRONMENTAL POLLUTION AND CONTROL  INTRODUCTION TO THERMAL STORAGE SYSTEMS |

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| **COMPUTER NETWORKS (82)** | NETWORK MANAGEMENT SYSTEMS AND OPERATIONS  CYBER SECURITY  VEHICULAR AD HOC NETWORKS | SAFETY AND CONSTRUCTION PRACTICE REGULATIONS  PHOTOVOLTAIC SYSTEMS  GREEN BUILDING TECHNOLOGY  ENVIRONMENTAL POLLUTION AND CONTROL  PRINCIPLES OF AUTOMATION  CONCURRENT ENGINEERING  BUSINESS ANALYTICS  INDUSTRIAL SAFETY  COST MANAGEMENT OF ENGINEERING PROJECTS  COMPOSITE MATERIALS  INTRODUCTION TO THERMAL STORAGE SYSTEMS  INDUSTRIAL SAFETY (SYLLABUS FROM ENGINEERING DESIGN\_MECHANICAL DEPT)  BASICS OF REFRIGERATION SYSTEMS  OPERATIONS RESEARCH  ENERGY FROM WASTE  ARTIFICIAL NEURAL NETWORKS  WASTE TO ENERGY  CONSTRUCTION PROJECT MANAGEMENT |

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| BranchCode \ Dates | **03-02-2025  (Monday)** | **05-02-2025  (Wednesday)** |
| **(ELECTIVE-5)** | **(OPEN ELECTIVE)** |
| **ENGINEERING DESIGN (95)** | CONCURRENT ENGINEERING  INDUSTRY 4.0 AND IOT  RE ENGINEERING | ENERGY FROM WASTE  OPTIMIZATION TECHNIQUES  SAFETY AND CONSTRUCTION PRACTICE REGULATIONS  OPERATIONS RESEARCH  ENVIRONMENTAL POLLUTION AND CONTROL  INTRUSION DETECTION SYSTEMS  COMPOSITE MATERIALS  FAULT TOLERANCE SYSTEMS  SERVICE ORIENTED ARCHITECTURES  BIG DATA ANALYTICS  COST MANAGEMENT OF ENGINEERING PROJECTS  CYBER PHYSICAL SYSTEMS  STATISTICAL FOUNDATIONS FOR DATA SCIENCE  CONSTRUCTION PROJECT MANAGEMENT  ADVANCED ARTIFICIAL INTELLIGENCE  DIGITAL FORENSICS  GRAPH ANALYTICS  PHOTOVOLTAIC SYSTEMS  INTELLECTUAL PROPERTY RIGHTS  GREEN BUILDING TECHNOLOGY |

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| BranchCode \ Dates | **03-02-2025  (Monday)** | **05-02-2025  (Wednesday)** |
| **(ELECTIVE-5)** | **(OPEN ELECTIVE)** |
| **CYBER SECURITY (A3)** | VEHICULAR AD HOC NETWORKS  CYBER SECURITY  NETWORK MANAGEMENT SYSTEMS AND OPERATIONS | COMPOSITE MATERIALS  BASICS OF REFRIGERATION SYSTEMS  BUSINESS ANALYTICS  ENVIRONMENTAL POLLUTION AND CONTROL  WASTE TO ENERGY  SAFETY AND CONSTRUCTION PRACTICE REGULATIONS  ARTIFICIAL NEURAL NETWORKS  PRINCIPLES OF AUTOMATION  INDUSTRIAL SAFETY  ENERGY FROM WASTE  OPERATIONS RESEARCH  INDUSTRIAL SAFETY (SYLLABUS FROM ENGINEERING DESIGN\_MECHANICAL DEPT)  COST MANAGEMENT OF ENGINEERING PROJECTS  INTRODUCTION TO THERMAL STORAGE SYSTEMS  PHOTOVOLTAIC SYSTEMS  CONCURRENT ENGINEERING  GREEN BUILDING TECHNOLOGY  CONSTRUCTION PROJECT MANAGEMENT |

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| BranchCode \ Dates | **03-02-2025  (Monday)** | **05-02-2025  (Wednesday)** |
| **(ELECTIVE-5)** | **(OPEN ELECTIVE)** |
| **VLSI DESIGN (A5)** | ADVANCED COMPUTER ARCHITECTURE  NANOMATERIALS & NANOTECHNOLOGY  HARDWARE SECURITY | GREEN BUILDING TECHNOLOGY  PHOTOVOLTAIC SYSTEMS  ADVANCED ARTIFICIAL INTELLIGENCE  ARTIFICIAL NEURAL NETWORKS  BIG DATA ANALYTICS  INTELLECTUAL PROPERTY RIGHTS  STATISTICAL FOUNDATIONS FOR DATA SCIENCE  BASICS OF REFRIGERATION SYSTEMS  OPTIMIZATION TECHNIQUES  CONSTRUCTION PROJECT MANAGEMENT  INTRUSION DETECTION SYSTEMS  INTRODUCTION TO THERMAL STORAGE SYSTEMS  ENERGY FROM WASTE  SAFETY AND CONSTRUCTION PRACTICE REGULATIONS  WASTE TO ENERGY  GRAPH ANALYTICS  DIGITAL FORENSICS  INDUSTRIAL SAFETY (SYLLABUS FROM ENGINEERING DESIGN\_MECHANICAL DEPT)  CYBER PHYSICAL SYSTEMS  SERVICE ORIENTED ARCHITECTURES  CONCURRENT ENGINEERING  PRINCIPLES OF AUTOMATION  ENVIRONMENTAL POLLUTION AND CONTROL  FAULT TOLERANCE SYSTEMS |

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| BranchCode \ Dates | **03-02-2025  (Monday)** | **05-02-2025  (Wednesday)** |
| **(ELECTIVE-5)** | **(OPEN ELECTIVE)** |
| **ARTIFICIAL INTELLIGENCE (A9)** | CONVERSATIONAL AI  NATURE INSPIRED COMPUTING  BLOCK CHAIN TECHNOLOGY | ARTIFICIAL NEURAL NETWORKS  INDUSTRIAL SAFETY (SYLLABUS FROM ENGINEERING DESIGN\_MECHANICAL DEPT)  GREEN BUILDING TECHNOLOGY  WASTE TO ENERGY  COMPOSITE MATERIALS  ENERGY FROM WASTE  OPERATIONS RESEARCH  BUSINESS ANALYTICS  COST MANAGEMENT OF ENGINEERING PROJECTS  INTRODUCTION TO THERMAL STORAGE SYSTEMS  SAFETY AND CONSTRUCTION PRACTICE REGULATIONS  CONSTRUCTION PROJECT MANAGEMENT  BASICS OF REFRIGERATION SYSTEMS  INDUSTRIAL SAFETY  CONCURRENT ENGINEERING  PHOTOVOLTAIC SYSTEMS  PRINCIPLES OF AUTOMATION  ENVIRONMENTAL POLLUTION AND CONTROL |

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| BranchCode \ Dates | **03-02-2025  (Monday)** | **05-02-2025  (Wednesday)** |
| **(ELECTIVE-5)** | **(OPEN ELECTIVE)** |
| **DATA SCIENCES (B0)** | SERVICE ORIENTED ARCHITECTURES  DIGITAL FORENSICS  CONVERSATIONAL AI | INDUSTRIAL SAFETY (SYLLABUS FROM ENGINEERING DESIGN\_MECHANICAL DEPT)  ENVIRONMENTAL POLLUTION AND CONTROL  INTRODUCTION TO THERMAL STORAGE SYSTEMS  ARTIFICIAL NEURAL NETWORKS  BASICS OF REFRIGERATION SYSTEMS  CONSTRUCTION PROJECT MANAGEMENT  COMPOSITE MATERIALS  PHOTOVOLTAIC SYSTEMS  WASTE TO ENERGY  COST MANAGEMENT OF ENGINEERING PROJECTS  CONCURRENT ENGINEERING  GREEN BUILDING TECHNOLOGY  SAFETY AND CONSTRUCTION PRACTICE REGULATIONS  INDUSTRIAL SAFETY  BUSINESS ANALYTICS  PRINCIPLES OF AUTOMATION  OPERATIONS RESEARCH  ENERGY FROM WASTE |

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| BranchCode \ Dates | **03-02-2025  (Monday)** | **05-02-2025  (Wednesday)** |
| **(ELECTIVE-5)** | **(OPEN ELECTIVE)** |
| **ARTIFICIAL INTELLIGENCE AND DATA SCIENCE (B2)** | CONVERSATIONAL AI  PREDICTIVE ANALYTICS  COMPUTER VISION AND ROBOTICS | ENVIRONMENTAL POLLUTION AND CONTROL  WASTE TO ENERGY  COST MANAGEMENT OF ENGINEERING PROJECTS  GREEN BUILDING TECHNOLOGY  BASICS OF REFRIGERATION SYSTEMS  INTRODUCTION TO THERMAL STORAGE SYSTEMS  ARTIFICIAL NEURAL NETWORKS  PRINCIPLES OF AUTOMATION  ENERGY FROM WASTE  INDUSTRIAL SAFETY  CONSTRUCTION PROJECT MANAGEMENT  COMPOSITE MATERIALS  SAFETY AND CONSTRUCTION PRACTICE REGULATIONS  PHOTOVOLTAIC SYSTEMS  OPERATIONS RESEARCH  INDUSTRIAL SAFETY (SYLLABUS FROM ENGINEERING DESIGN\_MECHANICAL DEPT)  BUSINESS ANALYTICS  CONCURRENT ENGINEERING |

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| BranchCode \ Dates | **03-02-2025  (Monday)** | **05-02-2025  (Wednesday)** |
| **(ELECTIVE-5)** | **(OPEN ELECTIVE)** |
| **ROBOTICS AND ARTIFICIAL INTELLIGENCE (B3)** | ADDITIVE MANUFACTURING TECHNOLOGY  DEEP LEARNING  COMPUTER INTEGRATED MANUFACTURING | SERVICE ORIENTED ARCHITECTURES  ENVIRONMENTAL POLLUTION AND CONTROL  OPERATIONS RESEARCH  PHOTOVOLTAIC SYSTEMS  STATISTICAL FOUNDATIONS FOR DATA SCIENCE  SAFETY AND CONSTRUCTION PRACTICE REGULATIONS  BIG DATA ANALYTICS  DIGITAL FORENSICS  COST MANAGEMENT OF ENGINEERING PROJECTS  CONSTRUCTION PROJECT MANAGEMENT  COMPOSITE MATERIALS  GRAPH ANALYTICS  INTRUSION DETECTION SYSTEMS  CYBER PHYSICAL SYSTEMS  FAULT TOLERANCE SYSTEMS  GREEN BUILDING TECHNOLOGY  ADVANCED ARTIFICIAL INTELLIGENCE  ENERGY FROM WASTE  INTELLECTUAL PROPERTY RIGHTS  OPTIMIZATION TECHNIQUES |

**NOTE: (i) ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS IMMEDIATELY.**

**(ii) EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES.THE EXAMINATIONS SHALL BE CONDUCTED AS USUAL.**