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| BranchName \ Date | **03-02-2025 (Monday)** | **05-02-2025 (Wednesday)** |
| **(ELECTIVE-5)** | **(OPEN ELECTIVE)** |
| **CADCAM (04 - CC)** | COMPOSITE MATERIALS  DESIGN FOR MANUFACTURING & ASSEMBLY  FLEXIBLE MANUFACTURING SYSTEMS | ARTIFICIAL INTELLIGENCE: TECHNIQUES  BUSINESS ANALYTICS  COMPOSITE MATERIALS  CONSTRUCTION MANAGEMENT  COST MANAGEMENT OF ENGINEERING PROJECTS  DISASTER ANALYTICS  DISASTER MANAGEMENT  ENERGY FROM WASTE  ENVIRONMENTAL LEGISLATION & AUDIT  FINITE ELEMENT METHODS  GIS & IOT FOR PLANNING & POLICY MAKING FOR SMART CITIES OR URBAN AREAS  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  NUMERICAL METHODS  OPERATIONS RESEARCH (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES) |

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| BranchName \ Date | **03-02-2025 (Monday)** | **05-02-2025 (Wednesday)** |
| **(ELECTIVE-5)** | **(OPEN ELECTIVE)** |
| **COMPUTER SCIENCE (05 - CS)** | DEEP LEARNING  DIGITAL FORENSICS  HIGH PERFORMANCE COMPUTING | ADVANCED FINITE ELEMENT AND BOUNDARY ELEMENT METHODS  ARTIFICIAL INTELLIGENCE: TECHNIQUES  ARTIFICIAL NEURAL NETWORKS  BASICS OF REFRIGERATION SYSTEMS  BUSINESS ANALYTICS  COGENERATION & WASTE HEAT RECOVERY SYSTEMS  COMPOSITE MATERIALS  CONCURRENT ENGINEERING  CONSTRUCTION MANAGEMENT  COST MANAGEMENT OF ENGINEERING PROJECTS  DISASTER ANALYTICS  DISASTER MANAGEMENT  ENERGY FROM WASTE  ENTREPRENEURSHIP  ENVIRONMENTAL LEGISLATION & AUDIT  FINITE ELEMENT METHODS  FUNDAMENTALS OF NANO TECHNOLOGY  FUNDAMENTALS OF PRODUCTION ENGINEERING  GIS & IOT FOR PLANNING & POLICY MAKING FOR SMART CITIES OR URBAN AREAS  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF MECHANICAL ENGG)  INTRODUCTION TO THERMAL STORAGE SYSTEMS  MECHANICS OF COMPOSITE MATERIALS  NON DESTRUCTIVE TESTING & EVALUATION  NUMERICAL METHODS  OPERATIONS RESEARCH (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  OPTIMIZATION TECHNIQUES & APPLICATIONS  PARTICULATE MATERIALS TECHNOLOGY  PRINCIPLES OF AUTOMATION  PRINCIPLES OF MANUFACTURING ENGINEERING  WASTE TO ENERGY |

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| **(ELECTIVE-5)** | **(OPEN ELECTIVE)** |
| **DIGITAL SYSTEMS AND COMPUTER ELECTRONICS (06 - DSCE)** | EMBEDDED NETWORKS  SOFT COMPUTING TECHNIQUES  VLSI SIGNAL PROCESSING | ADVANCED FINITE ELEMENT AND BOUNDARY ELEMENT METHODS  ARTIFICIAL INTELLIGENCE: TECHNIQUES  ARTIFICIAL NEURAL NETWORKS  BASICS OF REFRIGERATION SYSTEMS  BUSINESS ANALYTICS  COGENERATION & WASTE HEAT RECOVERY SYSTEMS  COMPOSITE MATERIALS  CONCURRENT ENGINEERING  CONSTRUCTION MANAGEMENT  COST MANAGEMENT OF ENGINEERING PROJECTS  DISASTER ANALYTICS  DISASTER MANAGEMENT  ENERGY FROM WASTE  ENTREPRENEURSHIP  ENVIRONMENTAL LEGISLATION & AUDIT  FINITE ELEMENT METHODS  FUNDAMENTALS OF NANO TECHNOLOGY  FUNDAMENTALS OF PRODUCTION ENGINEERING  GIS & IOT FOR PLANNING & POLICY MAKING FOR SMART CITIES OR URBAN AREAS  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF MECHANICAL ENGG)  INTRODUCTION TO THERMAL STORAGE SYSTEMS  MECHANICS OF COMPOSITE MATERIALS  NON DESTRUCTIVE TESTING & EVALUATION  NUMERICAL METHODS  OPERATIONS RESEARCH (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  OPTIMIZATION TECHNIQUES & APPLICATIONS  PARTICULATE MATERIALS TECHNOLOGY  PRINCIPLES OF AUTOMATION  PRINCIPLES OF MANUFACTURING ENGINEERING  WASTE TO ENERGY |

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| **(ELECTIVE-5)** | **(OPEN ELECTIVE)** |
| **ELECTRICAL POWER SYSTEMS (07 - EPS)** | FLEXIBLE AC TRANSMISSION SYSTEMS  GAS INSULATED SYSTEMS  POWER SYSTEM TRANSIENTS  SCADA SYSTEM AND APPLICATIONS | ADVANCED FINITE ELEMENT AND BOUNDARY ELEMENT METHODS  ARTIFICIAL INTELLIGENCE: TECHNIQUES  ARTIFICIAL NEURAL NETWORKS  BASICS OF REFRIGERATION SYSTEMS  BUSINESS ANALYTICS  COGENERATION & WASTE HEAT RECOVERY SYSTEMS  COMPOSITE MATERIALS  CONCURRENT ENGINEERING  CONSTRUCTION MANAGEMENT  COST MANAGEMENT OF ENGINEERING PROJECTS  DISASTER ANALYTICS  DISASTER MANAGEMENT  ENERGY FROM WASTE  ENTREPRENEURSHIP  ENVIRONMENTAL LEGISLATION & AUDIT  FINITE ELEMENT METHODS  FUNDAMENTALS OF NANO TECHNOLOGY  FUNDAMENTALS OF PRODUCTION ENGINEERING  GIS & IOT FOR PLANNING & POLICY MAKING FOR SMART CITIES OR URBAN AREAS  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF MECHANICAL ENGG)  INTRODUCTION TO THERMAL STORAGE SYSTEMS  MECHANICS OF COMPOSITE MATERIALS  NON DESTRUCTIVE TESTING & EVALUATION  NUMERICAL METHODS  OPERATIONS RESEARCH (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  OPTIMIZATION TECHNIQUES & APPLICATIONS  PARTICULATE MATERIALS TECHNOLOGY  PRINCIPLES OF AUTOMATION  PRINCIPLES OF MANUFACTURING ENGINEERING  WASTE TO ENERGY |

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| **(ELECTIVE-5)** | **(OPEN ELECTIVE)** |
| **ENVIRONMENTAL ENGINEERING (11 - ENVE)** | ENVIRONMENTAL BIOTECHNOLOGY  INSTRUMENTAL METHODS OF ANALYSIS  RURAL WATER SUPPLY AND ENVIRONMENTAL SANITATION | ADVANCED FINITE ELEMENT AND BOUNDARY ELEMENT METHODS  ARTIFICIAL NEURAL NETWORKS  BASICS OF REFRIGERATION SYSTEMS  BUSINESS ANALYTICS  COGENERATION & WASTE HEAT RECOVERY SYSTEMS  COMPOSITE MATERIALS  CONCURRENT ENGINEERING  COST MANAGEMENT OF ENGINEERING PROJECTS  ENERGY FROM WASTE  ENTREPRENEURSHIP  FUNDAMENTALS OF NANO TECHNOLOGY  FUNDAMENTALS OF PRODUCTION ENGINEERING  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF MECHANICAL ENGG)  INTRODUCTION TO THERMAL STORAGE SYSTEMS  MECHANICS OF COMPOSITE MATERIALS  NON DESTRUCTIVE TESTING & EVALUATION  OPTIMIZATION TECHNIQUES & APPLICATIONS  PARTICULATE MATERIALS TECHNOLOGY  PRINCIPLES OF AUTOMATION  PRINCIPLES OF MANUFACTURING ENGINEERING  WASTE TO ENERGY |

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| **GEOTECHNICAL ENGINEERING (12 - GE)** | GEOTECHNICAL EARTHQUAKE ENGINEERING  PAVEMENT ANALYSIS AND DESIGN  STABILITY ANALYSIS OF SLOPES | ADVANCED FINITE ELEMENT AND BOUNDARY ELEMENT METHODS  ARTIFICIAL NEURAL NETWORKS  BASICS OF REFRIGERATION SYSTEMS  BUSINESS ANALYTICS  COGENERATION & WASTE HEAT RECOVERY SYSTEMS  COMPOSITE MATERIALS  CONCURRENT ENGINEERING  COST MANAGEMENT OF ENGINEERING PROJECTS  ENERGY FROM WASTE  ENTREPRENEURSHIP  FUNDAMENTALS OF NANO TECHNOLOGY  FUNDAMENTALS OF PRODUCTION ENGINEERING  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF MECHANICAL ENGG)  INTRODUCTION TO THERMAL STORAGE SYSTEMS  MECHANICS OF COMPOSITE MATERIALS  NON DESTRUCTIVE TESTING & EVALUATION  OPTIMIZATION TECHNIQUES & APPLICATIONS  PARTICULATE MATERIALS TECHNOLOGY  PRINCIPLES OF AUTOMATION  PRINCIPLES OF MANUFACTURING ENGINEERING  WASTE TO ENERGY |

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| **(ELECTIVE-5)** | **(OPEN ELECTIVE)** |
| **INDUSTRIAL ENGINEERING AND MNGT (13 - IEM)** | FINANCIAL MANAGEMENT  PRODUCT DATA MANGEMENT | ARTIFICIAL INTELLIGENCE: TECHNIQUES  BUSINESS ANALYTICS  COMPOSITE MATERIALS  CONSTRUCTION MANAGEMENT  COST MANAGEMENT OF ENGINEERING PROJECTS  DISASTER ANALYTICS  DISASTER MANAGEMENT  ENERGY FROM WASTE  ENVIRONMENTAL LEGISLATION & AUDIT  FINITE ELEMENT METHODS  GIS & IOT FOR PLANNING & POLICY MAKING FOR SMART CITIES OR URBAN AREAS  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  NUMERICAL METHODS  OPERATIONS RESEARCH (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES) |

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| **(ELECTIVE-5)** | **(OPEN ELECTIVE)** |
| **MACHINE DESIGN (15 - MD)** | CONDITION MONITORING  PRODUCT DESIGN & DEVELOPMENT  VEHICLE DYNAMICS | ARTIFICIAL INTELLIGENCE: TECHNIQUES  BUSINESS ANALYTICS  COMPOSITE MATERIALS  CONSTRUCTION MANAGEMENT  COST MANAGEMENT OF ENGINEERING PROJECTS  DISASTER ANALYTICS  DISASTER MANAGEMENT  ENERGY FROM WASTE  ENVIRONMENTAL LEGISLATION & AUDIT  FINITE ELEMENT METHODS  GIS & IOT FOR PLANNING & POLICY MAKING FOR SMART CITIES OR URBAN AREAS  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  NUMERICAL METHODS  OPERATIONS RESEARCH (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES) |

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| **PRODUCTION ENGINEERING (16 - PENG)** | ADVANCED FINITE ELEMENT AND BOUNDARY ELEMENT METHODS  EXPERIMENTAL TECHNIQUES & DATA ANALYSIS  MEMS | ARTIFICIAL INTELLIGENCE: TECHNIQUES  BUSINESS ANALYTICS  COMPOSITE MATERIALS  CONSTRUCTION MANAGEMENT  COST MANAGEMENT OF ENGINEERING PROJECTS  DISASTER ANALYTICS  DISASTER MANAGEMENT  ENERGY FROM WASTE  ENVIRONMENTAL LEGISLATION & AUDIT  FINITE ELEMENT METHODS  GIS & IOT FOR PLANNING & POLICY MAKING FOR SMART CITIES OR URBAN AREAS  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  NUMERICAL METHODS  OPERATIONS RESEARCH (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES) |

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| **(ELECTIVE-5)** | **(OPEN ELECTIVE)** |
| **STRUCTURAL ENGINEERING (20 - STE)** | BRIDGE ENGINEERING  EARTHQUAKE RESISTANCE DESIGN OF BUILDINGS  INDUSTRIAL STRUCTURES | ADVANCED FINITE ELEMENT AND BOUNDARY ELEMENT METHODS  ARTIFICIAL NEURAL NETWORKS  BASICS OF REFRIGERATION SYSTEMS  BUSINESS ANALYTICS  COGENERATION & WASTE HEAT RECOVERY SYSTEMS  COMPOSITE MATERIALS  CONCURRENT ENGINEERING  COST MANAGEMENT OF ENGINEERING PROJECTS  ENERGY FROM WASTE  ENTREPRENEURSHIP  FUNDAMENTALS OF NANO TECHNOLOGY  FUNDAMENTALS OF PRODUCTION ENGINEERING  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF MECHANICAL ENGG)  INTRODUCTION TO THERMAL STORAGE SYSTEMS  MECHANICS OF COMPOSITE MATERIALS  NON DESTRUCTIVE TESTING & EVALUATION  OPTIMIZATION TECHNIQUES & APPLICATIONS  PARTICULATE MATERIALS TECHNOLOGY  PRINCIPLES OF AUTOMATION  PRINCIPLES OF MANUFACTURING ENGINEERING  WASTE TO ENERGY |

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| **THERMAL ENGINEERING (21 - TE)** | ADVANCED MATERIALS FOR THERMAL SYSTEMS  ADVANCED REFRIGERATION & AIR CONDITIONING  CONVECTIVE HEAT TRANSFER | ARTIFICIAL INTELLIGENCE: TECHNIQUES  BUSINESS ANALYTICS  COMPOSITE MATERIALS  CONSTRUCTION MANAGEMENT  COST MANAGEMENT OF ENGINEERING PROJECTS  DISASTER ANALYTICS  DISASTER MANAGEMENT  ENERGY FROM WASTE  ENVIRONMENTAL LEGISLATION & AUDIT  FINITE ELEMENT METHODS  GIS & IOT FOR PLANNING & POLICY MAKING FOR SMART CITIES OR URBAN AREAS  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  NUMERICAL METHODS  OPERATIONS RESEARCH (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES) |

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| **(ELECTIVE-5)** | **(OPEN ELECTIVE)** |
| **TRANSPORTATION ENGINEERING (22 - TRE)** | INTELLIGENT TRANSPORTATION SYSTEM  MASS TRANSPORTATION SYSTEM PLANNING & MANAGEMENT  PAVEMENT DESIGN CONSTRUCTION & MAINTENANCE | ADVANCED FINITE ELEMENT AND BOUNDARY ELEMENT METHODS  ARTIFICIAL NEURAL NETWORKS  BASICS OF REFRIGERATION SYSTEMS  BUSINESS ANALYTICS  COGENERATION & WASTE HEAT RECOVERY SYSTEMS  COMPOSITE MATERIALS  CONCURRENT ENGINEERING  COST MANAGEMENT OF ENGINEERING PROJECTS  ENERGY FROM WASTE  ENTREPRENEURSHIP  FUNDAMENTALS OF NANO TECHNOLOGY  FUNDAMENTALS OF PRODUCTION ENGINEERING  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF MECHANICAL ENGG)  INTRODUCTION TO THERMAL STORAGE SYSTEMS  MECHANICS OF COMPOSITE MATERIALS  NON DESTRUCTIVE TESTING & EVALUATION  OPTIMIZATION TECHNIQUES & APPLICATIONS  PARTICULATE MATERIALS TECHNOLOGY  PRINCIPLES OF AUTOMATION  PRINCIPLES OF MANUFACTURING ENGINEERING  WASTE TO ENERGY |

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| **SOFTWARE ENGINEERING (25 - SE)** | AGILE DEVELOPMENT METHODOLOGIES  TEST AUTOMATION  WEB SERVICES TESTING | ADVANCED FINITE ELEMENT AND BOUNDARY ELEMENT METHODS  ARTIFICIAL INTELLIGENCE: TECHNIQUES  ARTIFICIAL NEURAL NETWORKS  BASICS OF REFRIGERATION SYSTEMS  BUSINESS ANALYTICS  COGENERATION & WASTE HEAT RECOVERY SYSTEMS  COMPOSITE MATERIALS  CONCURRENT ENGINEERING  CONSTRUCTION MANAGEMENT  COST MANAGEMENT OF ENGINEERING PROJECTS  DISASTER ANALYTICS  DISASTER MANAGEMENT  ENERGY FROM WASTE  ENTREPRENEURSHIP  ENVIRONMENTAL LEGISLATION & AUDIT  FINITE ELEMENT METHODS  FUNDAMENTALS OF NANO TECHNOLOGY  FUNDAMENTALS OF PRODUCTION ENGINEERING  GIS & IOT FOR PLANNING & POLICY MAKING FOR SMART CITIES OR URBAN AREAS  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF MECHANICAL ENGG)  INTRODUCTION TO THERMAL STORAGE SYSTEMS  MECHANICS OF COMPOSITE MATERIALS  NON DESTRUCTIVE TESTING & EVALUATION  NUMERICAL METHODS  OPERATIONS RESEARCH (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  OPTIMIZATION TECHNIQUES & APPLICATIONS  PARTICULATE MATERIALS TECHNOLOGY  PRINCIPLES OF AUTOMATION  PRINCIPLES OF MANUFACTURING ENGINEERING  WASTE TO ENERGY |

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| **MICRO WAVE AND RADAR ENGINEERING (30 - MWRE)** | 4G TECHNOLOGIES  IOT AND ITS APPLICATIONS  MICROWAVE INTEGRATED CIRCUITS | ADVANCED FINITE ELEMENT AND BOUNDARY ELEMENT METHODS  ARTIFICIAL INTELLIGENCE: TECHNIQUES  ARTIFICIAL NEURAL NETWORKS  BASICS OF REFRIGERATION SYSTEMS  BUSINESS ANALYTICS  COGENERATION & WASTE HEAT RECOVERY SYSTEMS  COMPOSITE MATERIALS  CONCURRENT ENGINEERING  CONSTRUCTION MANAGEMENT  COST MANAGEMENT OF ENGINEERING PROJECTS  DISASTER ANALYTICS  DISASTER MANAGEMENT  ENERGY FROM WASTE  ENTREPRENEURSHIP  ENVIRONMENTAL LEGISLATION & AUDIT  FINITE ELEMENT METHODS  FUNDAMENTALS OF NANO TECHNOLOGY  FUNDAMENTALS OF PRODUCTION ENGINEERING  GIS & IOT FOR PLANNING & POLICY MAKING FOR SMART CITIES OR URBAN AREAS  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF MECHANICAL ENGG)  INTRODUCTION TO THERMAL STORAGE SYSTEMS  MECHANICS OF COMPOSITE MATERIALS  NON DESTRUCTIVE TESTING & EVALUATION  NUMERICAL METHODS  OPERATIONS RESEARCH (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  OPTIMIZATION TECHNIQUES & APPLICATIONS  PARTICULATE MATERIALS TECHNOLOGY  PRINCIPLES OF AUTOMATION  PRINCIPLES OF MANUFACTURING ENGINEERING  WASTE TO ENERGY |

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| **(ELECTIVE-5)** | **(OPEN ELECTIVE)** |
| **ADVANCED MANUFACTURING SYSTEMS (33 - AMS)** | FLEXIBLE MANUFACTURING SYSTEMS  MEMS  PRODUCTION AND OPERATIONS MANAGEMENT | ARTIFICIAL INTELLIGENCE: TECHNIQUES  BUSINESS ANALYTICS  COMPOSITE MATERIALS  CONSTRUCTION MANAGEMENT  COST MANAGEMENT OF ENGINEERING PROJECTS  DISASTER ANALYTICS  DISASTER MANAGEMENT  ENERGY FROM WASTE  ENVIRONMENTAL LEGISLATION & AUDIT  FINITE ELEMENT METHODS  GIS & IOT FOR PLANNING & POLICY MAKING FOR SMART CITIES OR URBAN AREAS  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  NUMERICAL METHODS  OPERATIONS RESEARCH (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES) |

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| **CONTROL ENGINEERING (37 - CE)** | DIGITAL CONTROL SYSTEM  EMBEDDED SYSTEMS AND CONTROL  SCADA SYSTEMS AND APPLICATIONS | ADVANCED FINITE ELEMENT AND BOUNDARY ELEMENT METHODS  ARTIFICIAL INTELLIGENCE: TECHNIQUES  ARTIFICIAL NEURAL NETWORKS  BASICS OF REFRIGERATION SYSTEMS  BUSINESS ANALYTICS  COGENERATION & WASTE HEAT RECOVERY SYSTEMS  COMPOSITE MATERIALS  CONCURRENT ENGINEERING  CONSTRUCTION MANAGEMENT  COST MANAGEMENT OF ENGINEERING PROJECTS  DISASTER ANALYTICS  DISASTER MANAGEMENT  ENERGY FROM WASTE  ENTREPRENEURSHIP  ENVIRONMENTAL LEGISLATION & AUDIT  FINITE ELEMENT METHODS  FUNDAMENTALS OF NANO TECHNOLOGY  FUNDAMENTALS OF PRODUCTION ENGINEERING  GIS & IOT FOR PLANNING & POLICY MAKING FOR SMART CITIES OR URBAN AREAS  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF MECHANICAL ENGG)  INTRODUCTION TO THERMAL STORAGE SYSTEMS  MECHANICS OF COMPOSITE MATERIALS  NON DESTRUCTIVE TESTING & EVALUATION  NUMERICAL METHODS  OPERATIONS RESEARCH (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  OPTIMIZATION TECHNIQUES & APPLICATIONS  PARTICULATE MATERIALS TECHNOLOGY  PRINCIPLES OF AUTOMATION  PRINCIPLES OF MANUFACTURING ENGINEERING  WASTE TO ENERGY |

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| **DIGITAL ELECTRONICS AND COMMUNICATION SYSTEMS ENGG (38 - DECS)** | DEEP LEARNING  IOT AND ITS APPLICATIONS  VOICE AND DATA NETWORKS | ADVANCED FINITE ELEMENT AND BOUNDARY ELEMENT METHODS  ARTIFICIAL INTELLIGENCE: TECHNIQUES  ARTIFICIAL NEURAL NETWORKS  BASICS OF REFRIGERATION SYSTEMS  BUSINESS ANALYTICS  COGENERATION & WASTE HEAT RECOVERY SYSTEMS  COMPOSITE MATERIALS  CONCURRENT ENGINEERING  CONSTRUCTION MANAGEMENT  COST MANAGEMENT OF ENGINEERING PROJECTS  DISASTER ANALYTICS  DISASTER MANAGEMENT  ENERGY FROM WASTE  ENTREPRENEURSHIP  ENVIRONMENTAL LEGISLATION & AUDIT  FINITE ELEMENT METHODS  FUNDAMENTALS OF NANO TECHNOLOGY  FUNDAMENTALS OF PRODUCTION ENGINEERING  GIS & IOT FOR PLANNING & POLICY MAKING FOR SMART CITIES OR URBAN AREAS  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF MECHANICAL ENGG)  INTRODUCTION TO THERMAL STORAGE SYSTEMS  MECHANICS OF COMPOSITE MATERIALS  NON DESTRUCTIVE TESTING & EVALUATION  NUMERICAL METHODS  OPERATIONS RESEARCH (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  OPTIMIZATION TECHNIQUES & APPLICATIONS  PARTICULATE MATERIALS TECHNOLOGY  PRINCIPLES OF AUTOMATION  PRINCIPLES OF MANUFACTURING ENGINEERING  WASTE TO ENERGY |

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| **INFORMATION TECHNOLOGY (40 - IT)** | BLOCKCHAIN TECHNOLOGY  DATA SCIENCE  INTERNET OF THINGS | ADVANCED FINITE ELEMENT AND BOUNDARY ELEMENT METHODS  ARTIFICIAL INTELLIGENCE: TECHNIQUES  ARTIFICIAL NEURAL NETWORKS  BASICS OF REFRIGERATION SYSTEMS  BUSINESS ANALYTICS  COGENERATION & WASTE HEAT RECOVERY SYSTEMS  COMPOSITE MATERIALS  CONCURRENT ENGINEERING  CONSTRUCTION MANAGEMENT  COST MANAGEMENT OF ENGINEERING PROJECTS  DISASTER ANALYTICS  DISASTER MANAGEMENT  ENERGY FROM WASTE  ENTREPRENEURSHIP  ENVIRONMENTAL LEGISLATION & AUDIT  FINITE ELEMENT METHODS  FUNDAMENTALS OF NANO TECHNOLOGY  FUNDAMENTALS OF PRODUCTION ENGINEERING  GIS & IOT FOR PLANNING & POLICY MAKING FOR SMART CITIES OR URBAN AREAS  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF MECHANICAL ENGG)  INTRODUCTION TO THERMAL STORAGE SYSTEMS  MECHANICS OF COMPOSITE MATERIALS  NON DESTRUCTIVE TESTING & EVALUATION  NUMERICAL METHODS  OPERATIONS RESEARCH (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  OPTIMIZATION TECHNIQUES & APPLICATIONS  PARTICULATE MATERIALS TECHNOLOGY  PRINCIPLES OF AUTOMATION  PRINCIPLES OF MANUFACTURING ENGINEERING  WASTE TO ENERGY |

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| **(ELECTIVE-5)** | **(OPEN ELECTIVE)** |
| **POWER ELECTRONICS (43 - PE)** | ENERGY STORAGE TECHNOLOGIES  FLEXIBLE AC TRANSMISSION SYSTEMS  HVDC TRANSMISSION  RELIABILITY ENGINEERING | ADVANCED FINITE ELEMENT AND BOUNDARY ELEMENT METHODS  ARTIFICIAL INTELLIGENCE: TECHNIQUES  ARTIFICIAL NEURAL NETWORKS  BASICS OF REFRIGERATION SYSTEMS  BUSINESS ANALYTICS  COGENERATION & WASTE HEAT RECOVERY SYSTEMS  COMPOSITE MATERIALS  CONCURRENT ENGINEERING  CONSTRUCTION MANAGEMENT  COST MANAGEMENT OF ENGINEERING PROJECTS  DISASTER ANALYTICS  DISASTER MANAGEMENT  ENERGY FROM WASTE  ENTREPRENEURSHIP  ENVIRONMENTAL LEGISLATION & AUDIT  FINITE ELEMENT METHODS  FUNDAMENTALS OF NANO TECHNOLOGY  FUNDAMENTALS OF PRODUCTION ENGINEERING  GIS & IOT FOR PLANNING & POLICY MAKING FOR SMART CITIES OR URBAN AREAS  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF MECHANICAL ENGG)  INTRODUCTION TO THERMAL STORAGE SYSTEMS  MECHANICS OF COMPOSITE MATERIALS  NON DESTRUCTIVE TESTING & EVALUATION  NUMERICAL METHODS  OPERATIONS RESEARCH (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  OPTIMIZATION TECHNIQUES & APPLICATIONS  PARTICULATE MATERIALS TECHNOLOGY  PRINCIPLES OF AUTOMATION  PRINCIPLES OF MANUFACTURING ENGINEERING  WASTE TO ENERGY |

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| **SYSTEMS AND SIGNAL PROCESSING (45 - SSP)** | IOT AND ITS APPLICATIONS  SMART ANTENNA AND ARRAY SIGNAL PROCESSING  VLSI SIGNAL PROCESSING | ADVANCED FINITE ELEMENT AND BOUNDARY ELEMENT METHODS  ARTIFICIAL INTELLIGENCE: TECHNIQUES  ARTIFICIAL NEURAL NETWORKS  BASICS OF REFRIGERATION SYSTEMS  BUSINESS ANALYTICS  COGENERATION & WASTE HEAT RECOVERY SYSTEMS  COMPOSITE MATERIALS  CONCURRENT ENGINEERING  CONSTRUCTION MANAGEMENT  COST MANAGEMENT OF ENGINEERING PROJECTS  DISASTER ANALYTICS  DISASTER MANAGEMENT  ENERGY FROM WASTE  ENTREPRENEURSHIP  ENVIRONMENTAL LEGISLATION & AUDIT  FINITE ELEMENT METHODS  FUNDAMENTALS OF NANO TECHNOLOGY  FUNDAMENTALS OF PRODUCTION ENGINEERING  GIS & IOT FOR PLANNING & POLICY MAKING FOR SMART CITIES OR URBAN AREAS  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF MECHANICAL ENGG)  INTRODUCTION TO THERMAL STORAGE SYSTEMS  MECHANICS OF COMPOSITE MATERIALS  NON DESTRUCTIVE TESTING & EVALUATION  NUMERICAL METHODS  OPERATIONS RESEARCH (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  OPTIMIZATION TECHNIQUES & APPLICATIONS  PARTICULATE MATERIALS TECHNOLOGY  PRINCIPLES OF AUTOMATION  PRINCIPLES OF MANUFACTURING ENGINEERING  WASTE TO ENERGY |

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| **ELECTRICAL POWER ENGINEERING (49 - EPE)** | FLEXIBLE AC TRANSMISSION SYSTEMS  GAS INSULATED SYSTEMS  POWER SYSTEM TRANSIENTS  SCADA SYSTEM AND APPLICATIONS | ADVANCED FINITE ELEMENT AND BOUNDARY ELEMENT METHODS  ARTIFICIAL INTELLIGENCE: TECHNIQUES  ARTIFICIAL NEURAL NETWORKS  BASICS OF REFRIGERATION SYSTEMS  BUSINESS ANALYTICS  COGENERATION & WASTE HEAT RECOVERY SYSTEMS  COMPOSITE MATERIALS  CONCURRENT ENGINEERING  CONSTRUCTION MANAGEMENT  COST MANAGEMENT OF ENGINEERING PROJECTS  DISASTER ANALYTICS  DISASTER MANAGEMENT  ENERGY FROM WASTE  ENTREPRENEURSHIP  ENVIRONMENTAL LEGISLATION & AUDIT  FINITE ELEMENT METHODS  FUNDAMENTALS OF NANO TECHNOLOGY  FUNDAMENTALS OF PRODUCTION ENGINEERING  GIS & IOT FOR PLANNING & POLICY MAKING FOR SMART CITIES OR URBAN AREAS  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF MECHANICAL ENGG)  INTRODUCTION TO THERMAL STORAGE SYSTEMS  MECHANICS OF COMPOSITE MATERIALS  NON DESTRUCTIVE TESTING & EVALUATION  NUMERICAL METHODS  OPERATIONS RESEARCH (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  OPTIMIZATION TECHNIQUES & APPLICATIONS  PARTICULATE MATERIALS TECHNOLOGY  PRINCIPLES OF AUTOMATION  PRINCIPLES OF MANUFACTURING ENGINEERING  WASTE TO ENERGY |

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| **DESIGN FOR MANUFACTURING (52 - DM)** | ADVANCED FINITE ELEMENT AND BOUNDARY ELEMENT METHODS  INTELLIGENT MANUFACTURING SYSTEMS  SMART MATERIALS & STRUCTURES | ARTIFICIAL INTELLIGENCE: TECHNIQUES  BUSINESS ANALYTICS  COMPOSITE MATERIALS  CONSTRUCTION MANAGEMENT  COST MANAGEMENT OF ENGINEERING PROJECTS  DISASTER ANALYTICS  DISASTER MANAGEMENT  ENERGY FROM WASTE  ENVIRONMENTAL LEGISLATION & AUDIT  FINITE ELEMENT METHODS  GIS & IOT FOR PLANNING & POLICY MAKING FOR SMART CITIES OR URBAN AREAS  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  NUMERICAL METHODS  OPERATIONS RESEARCH (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES) |

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| **POWER ELECTRONICS AND ELECTRIC DRIVES (54 - PEED)** | ENERGY STORAGE TECHNOLOGIES  FLEXIBLE AC TRANSMISSION SYSTEMS  HVDC TRANSMISSION  RELIABILITY ENGINEERING | ADVANCED FINITE ELEMENT AND BOUNDARY ELEMENT METHODS  ARTIFICIAL INTELLIGENCE: TECHNIQUES  ARTIFICIAL NEURAL NETWORKS  BASICS OF REFRIGERATION SYSTEMS  BUSINESS ANALYTICS  COGENERATION & WASTE HEAT RECOVERY SYSTEMS  COMPOSITE MATERIALS  CONCURRENT ENGINEERING  CONSTRUCTION MANAGEMENT  COST MANAGEMENT OF ENGINEERING PROJECTS  DISASTER ANALYTICS  DISASTER MANAGEMENT  ENERGY FROM WASTE  ENTREPRENEURSHIP  ENVIRONMENTAL LEGISLATION & AUDIT  FINITE ELEMENT METHODS  FUNDAMENTALS OF NANO TECHNOLOGY  FUNDAMENTALS OF PRODUCTION ENGINEERING  GIS & IOT FOR PLANNING & POLICY MAKING FOR SMART CITIES OR URBAN AREAS  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF MECHANICAL ENGG)  INTRODUCTION TO THERMAL STORAGE SYSTEMS  MECHANICS OF COMPOSITE MATERIALS  NON DESTRUCTIVE TESTING & EVALUATION  NUMERICAL METHODS  OPERATIONS RESEARCH (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  OPTIMIZATION TECHNIQUES & APPLICATIONS  PARTICULATE MATERIALS TECHNOLOGY  PRINCIPLES OF AUTOMATION  PRINCIPLES OF MANUFACTURING ENGINEERING  WASTE TO ENERGY |

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| **EMBEDDED SYSTEMS (55 - ES)** | MEMORY TECHNOLOGIES  SCRIPTING LANGUAGES  WIRELESS SENSOR NETWORKS | ADVANCED FINITE ELEMENT AND BOUNDARY ELEMENT METHODS  ARTIFICIAL INTELLIGENCE: TECHNIQUES  ARTIFICIAL NEURAL NETWORKS  BASICS OF REFRIGERATION SYSTEMS  BUSINESS ANALYTICS  COGENERATION & WASTE HEAT RECOVERY SYSTEMS  COMPOSITE MATERIALS  CONCURRENT ENGINEERING  CONSTRUCTION MANAGEMENT  COST MANAGEMENT OF ENGINEERING PROJECTS  DISASTER ANALYTICS  DISASTER MANAGEMENT  ENERGY FROM WASTE  ENTREPRENEURSHIP  ENVIRONMENTAL LEGISLATION & AUDIT  FINITE ELEMENT METHODS  FUNDAMENTALS OF NANO TECHNOLOGY  FUNDAMENTALS OF PRODUCTION ENGINEERING  GIS & IOT FOR PLANNING & POLICY MAKING FOR SMART CITIES OR URBAN AREAS  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF MECHANICAL ENGG)  INTRODUCTION TO THERMAL STORAGE SYSTEMS  MECHANICS OF COMPOSITE MATERIALS  NON DESTRUCTIVE TESTING & EVALUATION  NUMERICAL METHODS  OPERATIONS RESEARCH (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  OPTIMIZATION TECHNIQUES & APPLICATIONS  PARTICULATE MATERIALS TECHNOLOGY  PRINCIPLES OF AUTOMATION  PRINCIPLES OF MANUFACTURING ENGINEERING  WASTE TO ENERGY |

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| **VLSI SYSTEM DESIGN (57 - VLSISD)** | AI AND MACHINE LEARNING  MEMORY TECHNOLOGIES  PARALLEL PROCESSING | ADVANCED FINITE ELEMENT AND BOUNDARY ELEMENT METHODS  ARTIFICIAL INTELLIGENCE: TECHNIQUES  ARTIFICIAL NEURAL NETWORKS  BASICS OF REFRIGERATION SYSTEMS  BUSINESS ANALYTICS  COGENERATION & WASTE HEAT RECOVERY SYSTEMS  COMPOSITE MATERIALS  CONCURRENT ENGINEERING  CONSTRUCTION MANAGEMENT  COST MANAGEMENT OF ENGINEERING PROJECTS  DISASTER ANALYTICS  DISASTER MANAGEMENT  ENERGY FROM WASTE  ENTREPRENEURSHIP  ENVIRONMENTAL LEGISLATION & AUDIT  FINITE ELEMENT METHODS  FUNDAMENTALS OF NANO TECHNOLOGY  FUNDAMENTALS OF PRODUCTION ENGINEERING  GIS & IOT FOR PLANNING & POLICY MAKING FOR SMART CITIES OR URBAN AREAS  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF MECHANICAL ENGG)  INTRODUCTION TO THERMAL STORAGE SYSTEMS  MECHANICS OF COMPOSITE MATERIALS  NON DESTRUCTIVE TESTING & EVALUATION  NUMERICAL METHODS  OPERATIONS RESEARCH (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  OPTIMIZATION TECHNIQUES & APPLICATIONS  PARTICULATE MATERIALS TECHNOLOGY  PRINCIPLES OF AUTOMATION  PRINCIPLES OF MANUFACTURING ENGINEERING  WASTE TO ENERGY |

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| **COMPUTER SCIENCE AND ENGINEERING (58 - CSE)** | DEEP LEARNING  DIGITAL FORENSICS  HIGH PERFORMANCE COMPUTING | ADVANCED FINITE ELEMENT AND BOUNDARY ELEMENT METHODS  ARTIFICIAL INTELLIGENCE: TECHNIQUES  ARTIFICIAL NEURAL NETWORKS  BASICS OF REFRIGERATION SYSTEMS  BUSINESS ANALYTICS  COGENERATION & WASTE HEAT RECOVERY SYSTEMS  COMPOSITE MATERIALS  CONCURRENT ENGINEERING  CONSTRUCTION MANAGEMENT  COST MANAGEMENT OF ENGINEERING PROJECTS  DISASTER ANALYTICS  DISASTER MANAGEMENT  ENERGY FROM WASTE  ENTREPRENEURSHIP  ENVIRONMENTAL LEGISLATION & AUDIT  FINITE ELEMENT METHODS  FUNDAMENTALS OF NANO TECHNOLOGY  FUNDAMENTALS OF PRODUCTION ENGINEERING  GIS & IOT FOR PLANNING & POLICY MAKING FOR SMART CITIES OR URBAN AREAS  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF MECHANICAL ENGG)  INTRODUCTION TO THERMAL STORAGE SYSTEMS  MECHANICS OF COMPOSITE MATERIALS  NON DESTRUCTIVE TESTING & EVALUATION  NUMERICAL METHODS  OPERATIONS RESEARCH (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  OPTIMIZATION TECHNIQUES & APPLICATIONS  PARTICULATE MATERIALS TECHNOLOGY  PRINCIPLES OF AUTOMATION  PRINCIPLES OF MANUFACTURING ENGINEERING  WASTE TO ENERGY |

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| **COMMUNICATION SYSTEMS (61 - COMS)** | DEEP LEANING  IOT AND ITS APPLICATIONS  VOICE AND DATA NETWORKS | ADVANCED FINITE ELEMENT AND BOUNDARY ELEMENT METHODS  ARTIFICIAL INTELLIGENCE: TECHNIQUES  ARTIFICIAL NEURAL NETWORKS  BASICS OF REFRIGERATION SYSTEMS  BUSINESS ANALYTICS  COGENERATION & WASTE HEAT RECOVERY SYSTEMS  COMPOSITE MATERIALS  CONCURRENT ENGINEERING  CONSTRUCTION MANAGEMENT  COST MANAGEMENT OF ENGINEERING PROJECTS  DISASTER ANALYTICS  DISASTER MANAGEMENT  ENERGY FROM WASTE  ENTREPRENEURSHIP  ENVIRONMENTAL LEGISLATION & AUDIT  FINITE ELEMENT METHODS  FUNDAMENTALS OF NANO TECHNOLOGY  FUNDAMENTALS OF PRODUCTION ENGINEERING  GIS & IOT FOR PLANNING & POLICY MAKING FOR SMART CITIES OR URBAN AREAS  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF MECHANICAL ENGG)  INTRODUCTION TO THERMAL STORAGE SYSTEMS  MECHANICS OF COMPOSITE MATERIALS  NON DESTRUCTIVE TESTING & EVALUATION  NUMERICAL METHODS  OPERATIONS RESEARCH (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  OPTIMIZATION TECHNIQUES & APPLICATIONS  PARTICULATE MATERIALS TECHNOLOGY  PRINCIPLES OF AUTOMATION  PRINCIPLES OF MANUFACTURING ENGINEERING  WASTE TO ENERGY |

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| **WEB TECHNOLOGIES (62 - WT)** | BLOCKCHAIN TECHNOLOGY  DATA SCIENCE  INTERNET OF THINGS | ADVANCED FINITE ELEMENT AND BOUNDARY ELEMENT METHODS  ARTIFICIAL INTELLIGENCE: TECHNIQUES  ARTIFICIAL NEURAL NETWORKS  BASICS OF REFRIGERATION SYSTEMS  BUSINESS ANALYTICS  COGENERATION & WASTE HEAT RECOVERY SYSTEMS  COMPOSITE MATERIALS  CONCURRENT ENGINEERING  CONSTRUCTION MANAGEMENT  COST MANAGEMENT OF ENGINEERING PROJECTS  DISASTER ANALYTICS  DISASTER MANAGEMENT  ENERGY FROM WASTE  ENTREPRENEURSHIP  ENVIRONMENTAL LEGISLATION & AUDIT  FINITE ELEMENT METHODS  FUNDAMENTALS OF NANO TECHNOLOGY  FUNDAMENTALS OF PRODUCTION ENGINEERING  GIS & IOT FOR PLANNING & POLICY MAKING FOR SMART CITIES OR URBAN AREAS  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF MECHANICAL ENGG)  INTRODUCTION TO THERMAL STORAGE SYSTEMS  MECHANICS OF COMPOSITE MATERIALS  NON DESTRUCTIVE TESTING & EVALUATION  NUMERICAL METHODS  OPERATIONS RESEARCH (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  OPTIMIZATION TECHNIQUES & APPLICATIONS  PARTICULATE MATERIALS TECHNOLOGY  PRINCIPLES OF AUTOMATION  PRINCIPLES OF MANUFACTURING ENGINEERING  WASTE TO ENERGY |

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| **POWER ENGINEERING AND ENERGY SYSTEMS (64 - PEES)** | FLEXIBLE AC TRANSMISSION SYSTEMS  GAS INSULATED SYSTEMS  HYDROGEN FUEL CELLS  SCADA SYSTEM AND APPLICATIONS | ADVANCED FINITE ELEMENT AND BOUNDARY ELEMENT METHODS  ARTIFICIAL INTELLIGENCE: TECHNIQUES  ARTIFICIAL NEURAL NETWORKS  BASICS OF REFRIGERATION SYSTEMS  BUSINESS ANALYTICS  COGENERATION & WASTE HEAT RECOVERY SYSTEMS  COMPOSITE MATERIALS  CONCURRENT ENGINEERING  CONSTRUCTION MANAGEMENT  COST MANAGEMENT OF ENGINEERING PROJECTS  DISASTER ANALYTICS  DISASTER MANAGEMENT  ENERGY FROM WASTE  ENTREPRENEURSHIP  ENVIRONMENTAL LEGISLATION & AUDIT  FINITE ELEMENT METHODS  FUNDAMENTALS OF NANO TECHNOLOGY  FUNDAMENTALS OF PRODUCTION ENGINEERING  GIS & IOT FOR PLANNING & POLICY MAKING FOR SMART CITIES OR URBAN AREAS  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF MECHANICAL ENGG)  INTRODUCTION TO THERMAL STORAGE SYSTEMS  MECHANICS OF COMPOSITE MATERIALS  NON DESTRUCTIVE TESTING & EVALUATION  NUMERICAL METHODS  OPERATIONS RESEARCH (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  OPTIMIZATION TECHNIQUES & APPLICATIONS  PARTICULATE MATERIALS TECHNOLOGY  PRINCIPLES OF AUTOMATION  PRINCIPLES OF MANUFACTURING ENGINEERING  WASTE TO ENERGY |

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| **WIRELESS AND MOBILE COMMUNICATIONS (65 - WMC)** | IOT AND APPLICATION  MULTIMEDIA COMMUNICATIONS  VOICE AND DATA NETWORKS | ADVANCED FINITE ELEMENT AND BOUNDARY ELEMENT METHODS  ARTIFICIAL INTELLIGENCE: TECHNIQUES  ARTIFICIAL NEURAL NETWORKS  BASICS OF REFRIGERATION SYSTEMS  BUSINESS ANALYTICS  COGENERATION & WASTE HEAT RECOVERY SYSTEMS  COMPOSITE MATERIALS  CONCURRENT ENGINEERING  CONSTRUCTION MANAGEMENT  COST MANAGEMENT OF ENGINEERING PROJECTS  DISASTER ANALYTICS  DISASTER MANAGEMENT  ENERGY FROM WASTE  ENTREPRENEURSHIP  ENVIRONMENTAL LEGISLATION & AUDIT  FINITE ELEMENT METHODS  FUNDAMENTALS OF NANO TECHNOLOGY  FUNDAMENTALS OF PRODUCTION ENGINEERING  GIS & IOT FOR PLANNING & POLICY MAKING FOR SMART CITIES OR URBAN AREAS  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF MECHANICAL ENGG)  INTRODUCTION TO THERMAL STORAGE SYSTEMS  MECHANICS OF COMPOSITE MATERIALS  NON DESTRUCTIVE TESTING & EVALUATION  NUMERICAL METHODS  OPERATIONS RESEARCH (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  OPTIMIZATION TECHNIQUES & APPLICATIONS  PARTICULATE MATERIALS TECHNOLOGY  PRINCIPLES OF AUTOMATION  PRINCIPLES OF MANUFACTURING ENGINEERING  WASTE TO ENERGY |

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| **VLSI AND EMBEDDED SYSTEMS (68 - VLSIES)** | AI AND MACHINE LEARNING  IOT AND ITS APPLICATIONS  NANO MATERIALS AND NANO TECHNOLOGY | ADVANCED FINITE ELEMENT AND BOUNDARY ELEMENT METHODS  ARTIFICIAL INTELLIGENCE: TECHNIQUES  ARTIFICIAL NEURAL NETWORKS  BASICS OF REFRIGERATION SYSTEMS  BUSINESS ANALYTICS  COGENERATION & WASTE HEAT RECOVERY SYSTEMS  COMPOSITE MATERIALS  CONCURRENT ENGINEERING  CONSTRUCTION MANAGEMENT  COST MANAGEMENT OF ENGINEERING PROJECTS  DISASTER ANALYTICS  DISASTER MANAGEMENT  ENERGY FROM WASTE  ENTREPRENEURSHIP  ENVIRONMENTAL LEGISLATION & AUDIT  FINITE ELEMENT METHODS  FUNDAMENTALS OF NANO TECHNOLOGY  FUNDAMENTALS OF PRODUCTION ENGINEERING  GIS & IOT FOR PLANNING & POLICY MAKING FOR SMART CITIES OR URBAN AREAS  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF MECHANICAL ENGG)  INTRODUCTION TO THERMAL STORAGE SYSTEMS  MECHANICS OF COMPOSITE MATERIALS  NON DESTRUCTIVE TESTING & EVALUATION  NUMERICAL METHODS  OPERATIONS RESEARCH (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  OPTIMIZATION TECHNIQUES & APPLICATIONS  PARTICULATE MATERIALS TECHNOLOGY  PRINCIPLES OF AUTOMATION  PRINCIPLES OF MANUFACTURING ENGINEERING  WASTE TO ENERGY |

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| **ELECTRONICS AND COMMUNICATION (70 - EC)** | DEEP LEANING  IOT AND ITS APPLICATION  VOICE AND DATA NETWORK | ADVANCED FINITE ELEMENT AND BOUNDARY ELEMENT METHODS  ARTIFICIAL INTELLIGENCE: TECHNIQUES  ARTIFICIAL NEURAL NETWORKS  BASICS OF REFRIGERATION SYSTEMS  BUSINESS ANALYTICS  COGENERATION & WASTE HEAT RECOVERY SYSTEMS  COMPOSITE MATERIALS  CONCURRENT ENGINEERING  CONSTRUCTION MANAGEMENT  COST MANAGEMENT OF ENGINEERING PROJECTS  DISASTER ANALYTICS  DISASTER MANAGEMENT  ENERGY FROM WASTE  ENTREPRENEURSHIP  ENVIRONMENTAL LEGISLATION & AUDIT  FINITE ELEMENT METHODS  FUNDAMENTALS OF NANO TECHNOLOGY  FUNDAMENTALS OF PRODUCTION ENGINEERING  GIS & IOT FOR PLANNING & POLICY MAKING FOR SMART CITIES OR URBAN AREAS  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF MECHANICAL ENGG)  INTRODUCTION TO THERMAL STORAGE SYSTEMS  MECHANICS OF COMPOSITE MATERIALS  NON DESTRUCTIVE TESTING & EVALUATION  NUMERICAL METHODS  OPERATIONS RESEARCH (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  OPTIMIZATION TECHNIQUES & APPLICATIONS  PARTICULATE MATERIALS TECHNOLOGY  PRINCIPLES OF AUTOMATION  PRINCIPLES OF MANUFACTURING ENGINEERING  WASTE TO ENERGY |

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| **CONTROL SYSTEMS (75 - CTRLS)** | DIGITAL CONTROL SYSTEM  EMBEDDED SYSTEMS AND CONTROL  SCADA SYSTEMS AND APPLICATIONS | ADVANCED FINITE ELEMENT AND BOUNDARY ELEMENT METHODS  ARTIFICIAL INTELLIGENCE: TECHNIQUES  ARTIFICIAL NEURAL NETWORKS  BASICS OF REFRIGERATION SYSTEMS  BUSINESS ANALYTICS  COGENERATION & WASTE HEAT RECOVERY SYSTEMS  COMPOSITE MATERIALS  CONCURRENT ENGINEERING  CONSTRUCTION MANAGEMENT  COST MANAGEMENT OF ENGINEERING PROJECTS  DISASTER ANALYTICS  DISASTER MANAGEMENT  ENERGY FROM WASTE  ENTREPRENEURSHIP  ENVIRONMENTAL LEGISLATION & AUDIT  FINITE ELEMENT METHODS  FUNDAMENTALS OF NANO TECHNOLOGY  FUNDAMENTALS OF PRODUCTION ENGINEERING  GIS & IOT FOR PLANNING & POLICY MAKING FOR SMART CITIES OR URBAN AREAS  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF MECHANICAL ENGG)  INTRODUCTION TO THERMAL STORAGE SYSTEMS  MECHANICS OF COMPOSITE MATERIALS  NON DESTRUCTIVE TESTING & EVALUATION  NUMERICAL METHODS  OPERATIONS RESEARCH (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  OPTIMIZATION TECHNIQUES & APPLICATIONS  PARTICULATE MATERIALS TECHNOLOGY  PRINCIPLES OF AUTOMATION  PRINCIPLES OF MANUFACTURING ENGINEERING  WASTE TO ENERGY |

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| BranchName \ Date | **03-02-2025 (Monday)** | **05-02-2025 (Wednesday)** |
| **(ELECTIVE-5)** | **(OPEN ELECTIVE)** |
| **EMBEDDED SYSTEMS AND VLSI DESIGN (77 - ESVLSID)** | AI AND MACHINE LEARNING  IOT AND ITS APPLICATIONS  NANO MATERIALS AND NANO TECHNOLOGY | ADVANCED FINITE ELEMENT AND BOUNDARY ELEMENT METHODS  ARTIFICIAL INTELLIGENCE: TECHNIQUES  ARTIFICIAL NEURAL NETWORKS  BASICS OF REFRIGERATION SYSTEMS  BUSINESS ANALYTICS  COGENERATION & WASTE HEAT RECOVERY SYSTEMS  COMPOSITE MATERIALS  CONCURRENT ENGINEERING  CONSTRUCTION MANAGEMENT  COST MANAGEMENT OF ENGINEERING PROJECTS  DISASTER ANALYTICS  DISASTER MANAGEMENT  ENERGY FROM WASTE  ENTREPRENEURSHIP  ENVIRONMENTAL LEGISLATION & AUDIT  FINITE ELEMENT METHODS  FUNDAMENTALS OF NANO TECHNOLOGY  FUNDAMENTALS OF PRODUCTION ENGINEERING  GIS & IOT FOR PLANNING & POLICY MAKING FOR SMART CITIES OR URBAN AREAS  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF MECHANICAL ENGG)  INTRODUCTION TO THERMAL STORAGE SYSTEMS  MECHANICS OF COMPOSITE MATERIALS  NON DESTRUCTIVE TESTING & EVALUATION  NUMERICAL METHODS  OPERATIONS RESEARCH (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  OPTIMIZATION TECHNIQUES & APPLICATIONS  PARTICULATE MATERIALS TECHNOLOGY  PRINCIPLES OF AUTOMATION  PRINCIPLES OF MANUFACTURING ENGINEERING  WASTE TO ENERGY |

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| **(ELECTIVE-5)** | **(OPEN ELECTIVE)** |
| **COMPUTER NETWORKS AND INFORMATION SECURITY (78 - CNIS)** | DATA ANALYTICS FOR FRAUD DETECTION  DIGITAL FORENSICS  SURVEILLANCE & VIDEO ANALYTICS | ADVANCED FINITE ELEMENT AND BOUNDARY ELEMENT METHODS  ARTIFICIAL INTELLIGENCE: TECHNIQUES  ARTIFICIAL NEURAL NETWORKS  BASICS OF REFRIGERATION SYSTEMS  BUSINESS ANALYTICS  COGENERATION & WASTE HEAT RECOVERY SYSTEMS  COMPOSITE MATERIALS  CONCURRENT ENGINEERING  CONSTRUCTION MANAGEMENT  COST MANAGEMENT OF ENGINEERING PROJECTS  DISASTER ANALYTICS  DISASTER MANAGEMENT  ENERGY FROM WASTE  ENTREPRENEURSHIP  ENVIRONMENTAL LEGISLATION & AUDIT  FINITE ELEMENT METHODS  FUNDAMENTALS OF NANO TECHNOLOGY  FUNDAMENTALS OF PRODUCTION ENGINEERING  GIS & IOT FOR PLANNING & POLICY MAKING FOR SMART CITIES OR URBAN AREAS  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF MECHANICAL ENGG)  INTRODUCTION TO THERMAL STORAGE SYSTEMS  MECHANICS OF COMPOSITE MATERIALS  NON DESTRUCTIVE TESTING & EVALUATION  NUMERICAL METHODS  OPERATIONS RESEARCH (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  OPTIMIZATION TECHNIQUES & APPLICATIONS  PARTICULATE MATERIALS TECHNOLOGY  PRINCIPLES OF AUTOMATION  PRINCIPLES OF MANUFACTURING ENGINEERING  WASTE TO ENERGY |

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| **(ELECTIVE-5)** | **(OPEN ELECTIVE)** |
| **MECHATRONICS (80 - MEC)** | AUTOTRONICS & VEHICLE INTELLIGENCE  INTELLIGENT MANUFACTURING SYSTEMS  NANO TECHNOLOGY | ARTIFICIAL INTELLIGENCE: TECHNIQUES  BUSINESS ANALYTICS  COMPOSITE MATERIALS  CONSTRUCTION MANAGEMENT  COST MANAGEMENT OF ENGINEERING PROJECTS  DISASTER ANALYTICS  DISASTER MANAGEMENT  ENERGY FROM WASTE  ENVIRONMENTAL LEGISLATION & AUDIT  FINITE ELEMENT METHODS  GIS & IOT FOR PLANNING & POLICY MAKING FOR SMART CITIES OR URBAN AREAS  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  NUMERICAL METHODS  OPERATIONS RESEARCH (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES) |

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| BranchName \ Date | **03-02-2025 (Monday)** | **05-02-2025 (Wednesday)** |
| **(ELECTIVE-5)** | **(OPEN ELECTIVE)** |
| **INFRA STRUCTURE ENGINEERING (81 - ISE)** | GEO ENVIRONMENTAL ENGINEERING  INTEGRATED WATER RESOURCE MANAGEMENT  WASTE MANAGEMENT SYSTEMS | ADVANCED FINITE ELEMENT AND BOUNDARY ELEMENT METHODS  ARTIFICIAL NEURAL NETWORKS  BASICS OF REFRIGERATION SYSTEMS  BUSINESS ANALYTICS  COGENERATION & WASTE HEAT RECOVERY SYSTEMS  COMPOSITE MATERIALS  CONCURRENT ENGINEERING  COST MANAGEMENT OF ENGINEERING PROJECTS  ENERGY FROM WASTE  ENTREPRENEURSHIP  FUNDAMENTALS OF NANO TECHNOLOGY  FUNDAMENTALS OF PRODUCTION ENGINEERING  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF MECHANICAL ENGG)  INTRODUCTION TO THERMAL STORAGE SYSTEMS  MECHANICS OF COMPOSITE MATERIALS  NON DESTRUCTIVE TESTING & EVALUATION  OPTIMIZATION TECHNIQUES & APPLICATIONS  PARTICULATE MATERIALS TECHNOLOGY  PRINCIPLES OF AUTOMATION  PRINCIPLES OF MANUFACTURING ENGINEERING  WASTE TO ENERGY |

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| BranchName \ Date | **03-02-2025 (Monday)** | **05-02-2025 (Wednesday)** |
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| **COMPUTER NETWORKS (82 - CN)** | DATA ANALYTICS FOR FRAUD DETECTION  DIGITAL FORENSICS  SURVEILLANCE & VIDEO ANALYTICS | ADVANCED FINITE ELEMENT AND BOUNDARY ELEMENT METHODS  ARTIFICIAL INTELLIGENCE: TECHNIQUES  ARTIFICIAL NEURAL NETWORKS  BASICS OF REFRIGERATION SYSTEMS  BUSINESS ANALYTICS  COGENERATION & WASTE HEAT RECOVERY SYSTEMS  COMPOSITE MATERIALS  CONCURRENT ENGINEERING  CONSTRUCTION MANAGEMENT  COST MANAGEMENT OF ENGINEERING PROJECTS  DISASTER ANALYTICS  DISASTER MANAGEMENT  ENERGY FROM WASTE  ENTREPRENEURSHIP  ENVIRONMENTAL LEGISLATION & AUDIT  FINITE ELEMENT METHODS  FUNDAMENTALS OF NANO TECHNOLOGY  FUNDAMENTALS OF PRODUCTION ENGINEERING  GIS & IOT FOR PLANNING & POLICY MAKING FOR SMART CITIES OR URBAN AREAS  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF MECHANICAL ENGG)  INTRODUCTION TO THERMAL STORAGE SYSTEMS  MECHANICS OF COMPOSITE MATERIALS  NON DESTRUCTIVE TESTING & EVALUATION  NUMERICAL METHODS  OPERATIONS RESEARCH (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  OPTIMIZATION TECHNIQUES & APPLICATIONS  PARTICULATE MATERIALS TECHNOLOGY  PRINCIPLES OF AUTOMATION  PRINCIPLES OF MANUFACTURING ENGINEERING  WASTE TO ENERGY |

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| BranchName \ Date | **03-02-2025 (Monday)** | **05-02-2025 (Wednesday)** |
| **(ELECTIVE-5)** | **(OPEN ELECTIVE)** |
| **HIGHWAY ENGINEERING (87 - HE)** | BRIDGE ENGINEERING  ENGINEERING OF GROUND  PAVEMENT CONSTRUCTION & MAINTENANCE | ADVANCED FINITE ELEMENT AND BOUNDARY ELEMENT METHODS  ARTIFICIAL NEURAL NETWORKS  BASICS OF REFRIGERATION SYSTEMS  BUSINESS ANALYTICS  COGENERATION & WASTE HEAT RECOVERY SYSTEMS  COMPOSITE MATERIALS  CONCURRENT ENGINEERING  COST MANAGEMENT OF ENGINEERING PROJECTS  ENERGY FROM WASTE  ENTREPRENEURSHIP  FUNDAMENTALS OF NANO TECHNOLOGY  FUNDAMENTALS OF PRODUCTION ENGINEERING  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF MECHANICAL ENGG)  INTRODUCTION TO THERMAL STORAGE SYSTEMS  MECHANICS OF COMPOSITE MATERIALS  NON DESTRUCTIVE TESTING & EVALUATION  OPTIMIZATION TECHNIQUES & APPLICATIONS  PARTICULATE MATERIALS TECHNOLOGY  PRINCIPLES OF AUTOMATION  PRINCIPLES OF MANUFACTURING ENGINEERING  WASTE TO ENERGY |

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| **(ELECTIVE-5)** | **(OPEN ELECTIVE)** |
| **ELECTRONICS AND INSTRUMENTATION (88 - EI)** | IOT AND ITS APPLICATIONS  MEDICAL ELECTRONICS  PATTERN RECOGNITION & MACHINE LEARNING | ADVANCED FINITE ELEMENT AND BOUNDARY ELEMENT METHODS  ARTIFICIAL INTELLIGENCE: TECHNIQUES  ARTIFICIAL NEURAL NETWORKS  BASICS OF REFRIGERATION SYSTEMS  BUSINESS ANALYTICS  COGENERATION & WASTE HEAT RECOVERY SYSTEMS  COMPOSITE MATERIALS  CONCURRENT ENGINEERING  CONSTRUCTION MANAGEMENT  COST MANAGEMENT OF ENGINEERING PROJECTS  DISASTER ANALYTICS  DISASTER MANAGEMENT  ENERGY FROM WASTE  ENTREPRENEURSHIP  ENVIRONMENTAL LEGISLATION & AUDIT  FINITE ELEMENT METHODS  FUNDAMENTALS OF NANO TECHNOLOGY  FUNDAMENTALS OF PRODUCTION ENGINEERING  GIS & IOT FOR PLANNING & POLICY MAKING FOR SMART CITIES OR URBAN AREAS  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF MECHANICAL ENGG)  INTRODUCTION TO THERMAL STORAGE SYSTEMS  MECHANICS OF COMPOSITE MATERIALS  NON DESTRUCTIVE TESTING & EVALUATION  NUMERICAL METHODS  OPERATIONS RESEARCH (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  OPTIMIZATION TECHNIQUES & APPLICATIONS  PARTICULATE MATERIALS TECHNOLOGY  PRINCIPLES OF AUTOMATION  PRINCIPLES OF MANUFACTURING ENGINEERING  WASTE TO ENERGY |

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| **(ELECTIVE-5)** | **(OPEN ELECTIVE)** |
| **SYSTEMS AND SIGNAL PROCESSING (93 - SSP)** | IOT AND ITS APPLICATIONS  SMART ANTENNA AND ARRAY SIGNAL PROCESSING  VLSI SIGNAL PROCESSING | ADVANCED FINITE ELEMENT AND BOUNDARY ELEMENT METHODS  ARTIFICIAL INTELLIGENCE: TECHNIQUES  ARTIFICIAL NEURAL NETWORKS  BASICS OF REFRIGERATION SYSTEMS  BUSINESS ANALYTICS  COGENERATION & WASTE HEAT RECOVERY SYSTEMS  COMPOSITE MATERIALS  CONCURRENT ENGINEERING  CONSTRUCTION MANAGEMENT  COST MANAGEMENT OF ENGINEERING PROJECTS  DISASTER ANALYTICS  DISASTER MANAGEMENT  ENERGY FROM WASTE  ENTREPRENEURSHIP  ENVIRONMENTAL LEGISLATION & AUDIT  FINITE ELEMENT METHODS  FUNDAMENTALS OF NANO TECHNOLOGY  FUNDAMENTALS OF PRODUCTION ENGINEERING  GIS & IOT FOR PLANNING & POLICY MAKING FOR SMART CITIES OR URBAN AREAS  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF MECHANICAL ENGG)  INTRODUCTION TO THERMAL STORAGE SYSTEMS  MECHANICS OF COMPOSITE MATERIALS  NON DESTRUCTIVE TESTING & EVALUATION  NUMERICAL METHODS  OPERATIONS RESEARCH (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  OPTIMIZATION TECHNIQUES & APPLICATIONS  PARTICULATE MATERIALS TECHNOLOGY  PRINCIPLES OF AUTOMATION  PRINCIPLES OF MANUFACTURING ENGINEERING  WASTE TO ENERGY |

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| BranchName \ Date | **03-02-2025 (Monday)** | **05-02-2025 (Wednesday)** |
| **(ELECTIVE-5)** | **(OPEN ELECTIVE)** |
| **ENGINEERING DESIGN (95 - ED)** | CONCURRENT ENGINEERING  MICROPROCESSORS IN AUTOMATION  PRODUCT DESIGN AND DEVELOPMENT | ARTIFICIAL INTELLIGENCE: TECHNIQUES  BUSINESS ANALYTICS  COMPOSITE MATERIALS  CONSTRUCTION MANAGEMENT  COST MANAGEMENT OF ENGINEERING PROJECTS  DISASTER ANALYTICS  DISASTER MANAGEMENT  ENERGY FROM WASTE  ENVIRONMENTAL LEGISLATION & AUDIT  FINITE ELEMENT METHODS  GIS & IOT FOR PLANNING & POLICY MAKING FOR SMART CITIES OR URBAN AREAS  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  NUMERICAL METHODS  OPERATIONS RESEARCH (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES) |

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| **CONSTRUCTION MANAGEMENT (A1 - CM)** | CONSTRUCTION PROJECT PLANNING AND ADMINISTRATION  STRUCTURAL HEALTH MONITORING  URBAN OR REGIONAL TRANSPORTATION ANALYSIS AND PLANNING METHODS | ADVANCED FINITE ELEMENT AND BOUNDARY ELEMENT METHODS  ARTIFICIAL NEURAL NETWORKS  BASICS OF REFRIGERATION SYSTEMS  BUSINESS ANALYTICS  COGENERATION & WASTE HEAT RECOVERY SYSTEMS  COMPOSITE MATERIALS  CONCURRENT ENGINEERING  COST MANAGEMENT OF ENGINEERING PROJECTS  ENERGY FROM WASTE  ENTREPRENEURSHIP  FUNDAMENTALS OF NANO TECHNOLOGY  FUNDAMENTALS OF PRODUCTION ENGINEERING  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF MECHANICAL ENGG)  INTRODUCTION TO THERMAL STORAGE SYSTEMS  MECHANICS OF COMPOSITE MATERIALS  NON DESTRUCTIVE TESTING & EVALUATION  OPTIMIZATION TECHNIQUES & APPLICATIONS  PARTICULATE MATERIALS TECHNOLOGY  PRINCIPLES OF AUTOMATION  PRINCIPLES OF MANUFACTURING ENGINEERING  WASTE TO ENERGY |

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| **(ELECTIVE-5)** | **(OPEN ELECTIVE)** |
| **CYBER SECURITY (A3 - CYS)** | DATA ANALYTICS FOR FRAUD DETECTION  DIGITAL FORENSICS  SURVEILLANCE & VIDEO ANALYTICS | ADVANCED FINITE ELEMENT AND BOUNDARY ELEMENT METHODS  ARTIFICIAL INTELLIGENCE: TECHNIQUES  ARTIFICIAL NEURAL NETWORKS  BASICS OF REFRIGERATION SYSTEMS  BUSINESS ANALYTICS  COGENERATION & WASTE HEAT RECOVERY SYSTEMS  COMPOSITE MATERIALS  CONCURRENT ENGINEERING  CONSTRUCTION MANAGEMENT  COST MANAGEMENT OF ENGINEERING PROJECTS  DISASTER ANALYTICS  DISASTER MANAGEMENT  ENERGY FROM WASTE  ENTREPRENEURSHIP  ENVIRONMENTAL LEGISLATION & AUDIT  FINITE ELEMENT METHODS  FUNDAMENTALS OF NANO TECHNOLOGY  FUNDAMENTALS OF PRODUCTION ENGINEERING  GIS & IOT FOR PLANNING & POLICY MAKING FOR SMART CITIES OR URBAN AREAS  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF MECHANICAL ENGG)  INTRODUCTION TO THERMAL STORAGE SYSTEMS  MECHANICS OF COMPOSITE MATERIALS  NON DESTRUCTIVE TESTING & EVALUATION  NUMERICAL METHODS  OPERATIONS RESEARCH (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  OPTIMIZATION TECHNIQUES & APPLICATIONS  PARTICULATE MATERIALS TECHNOLOGY  PRINCIPLES OF AUTOMATION  PRINCIPLES OF MANUFACTURING ENGINEERING  WASTE TO ENERGY |

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| BranchName \ Date | **03-02-2025 (Monday)** | **05-02-2025 (Wednesday)** |
| **(ELECTIVE-5)** | **(OPEN ELECTIVE)** |
| **VLSI DESIGN (A5 - VLSID)** | AI AND MACHINE LEARNING  MEMORY TECHNOLOGIES  PARALLEL PROCESSING | ADVANCED FINITE ELEMENT AND BOUNDARY ELEMENT METHODS  ARTIFICIAL INTELLIGENCE: TECHNIQUES  ARTIFICIAL NEURAL NETWORKS  BASICS OF REFRIGERATION SYSTEMS  BUSINESS ANALYTICS  COGENERATION & WASTE HEAT RECOVERY SYSTEMS  COMPOSITE MATERIALS  CONCURRENT ENGINEERING  CONSTRUCTION MANAGEMENT  COST MANAGEMENT OF ENGINEERING PROJECTS  DISASTER ANALYTICS  DISASTER MANAGEMENT  ENERGY FROM WASTE  ENTREPRENEURSHIP  ENVIRONMENTAL LEGISLATION & AUDIT  FINITE ELEMENT METHODS  FUNDAMENTALS OF NANO TECHNOLOGY  FUNDAMENTALS OF PRODUCTION ENGINEERING  GIS & IOT FOR PLANNING & POLICY MAKING FOR SMART CITIES OR URBAN AREAS  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  INTRODUCTION TO THERMAL STORAGE SYSTEMS  MECHANICS OF COMPOSITE MATERIALS  NON DESTRUCTIVE TESTING & EVALUATION  NUMERICAL METHODS  OPERATIONS RESEARCH (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  OPTIMIZATION TECHNIQUES & APPLICATIONS  PARTICULATE MATERIALS TECHNOLOGY  PRINCIPLES OF AUTOMATION  PRINCIPLES OF MANUFACTURING ENGINEERING  WASTE TO ENERGY |

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| BranchName \ Date | **03-02-2025 (Monday)** | **05-02-2025 (Wednesday)** |
| **(ELECTIVE-5)** | **(OPEN ELECTIVE)** |
| **ARTIFICIAL INTELLIGENCE (A9 - AI)** | BLOCKCHAIN TECHNOLOGIES  COMPUTATIONAL NEURO SCIENCE  NATURAL LANGUAGE PROCESSING AND CHAT BOTS | ADVANCED FINITE ELEMENT AND BOUNDARY ELEMENT METHODS  ARTIFICIAL INTELLIGENCE: TECHNIQUES  ARTIFICIAL NEURAL NETWORKS  BASICS OF REFRIGERATION SYSTEMS  BUSINESS ANALYTICS  COGENERATION & WASTE HEAT RECOVERY SYSTEMS  COMPOSITE MATERIALS  CONCURRENT ENGINEERING  CONSTRUCTION MANAGEMENT  COST MANAGEMENT OF ENGINEERING PROJECTS  DISASTER ANALYTICS  DISASTER MANAGEMENT  ENERGY FROM WASTE  ENTREPRENEURSHIP  ENVIRONMENTAL LEGISLATION & AUDIT  FINITE ELEMENT METHODS  FUNDAMENTALS OF NANO TECHNOLOGY  FUNDAMENTALS OF PRODUCTION ENGINEERING  GIS & IOT FOR PLANNING & POLICY MAKING FOR SMART CITIES OR URBAN AREAS  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF MECHANICAL ENGG)  INTRODUCTION TO THERMAL STORAGE SYSTEMS  MECHANICS OF COMPOSITE MATERIALS  NON DESTRUCTIVE TESTING & EVALUATION  NUMERICAL METHODS  OPERATIONS RESEARCH (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  OPTIMIZATION TECHNIQUES & APPLICATIONS  PARTICULATE MATERIALS TECHNOLOGY  PRINCIPLES OF AUTOMATION  PRINCIPLES OF MANUFACTURING ENGINEERING  WASTE TO ENERGY |

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| **(ELECTIVE-5)** | **(OPEN ELECTIVE)** |
| **DATA SCIENCES (B0 - DS)** | DIGITAL FORENSICS  HIGH PERFORMANCE COMPUTING  NATURAL LANGUAGE PROCESSING AND CHAT BOTS | ADVANCED DATABASES  ADVANCED FINITE ELEMENT AND BOUNDARY ELEMENT METHODS  ARTIFICIAL INTELLIGENCE: TECHNIQUES  ARTIFICIAL NEURAL NETWORKS  BASICS OF REFRIGERATION SYSTEMS  BUSINESS ANALYTICS  COGENERATION & WASTE HEAT RECOVERY SYSTEMS  COMPOSITE MATERIALS  CONCURRENT ENGINEERING  CONSTRUCTION MANAGEMENT  COST MANAGEMENT OF ENGINEERING PROJECTS  DISASTER ANALYTICS  DISASTER MANAGEMENT  ENERGY FROM WASTE  ENTREPRENEURSHIP  ENVIRONMENTAL LEGISLATION & AUDIT  FINITE ELEMENT METHODS  FUNDAMENTALS OF NANO TECHNOLOGY  FUNDAMENTALS OF PRODUCTION ENGINEERING  GIS & IOT FOR PLANNING & POLICY MAKING FOR SMART CITIES OR URBAN AREAS  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF MECHANICAL ENGG)  INTRODUCTION TO THERMAL STORAGE SYSTEMS  MECHANICS OF COMPOSITE MATERIALS  NON DESTRUCTIVE TESTING & EVALUATION  NUMERICAL METHODS  OPERATIONS RESEARCH (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  OPTIMIZATION TECHNIQUES & APPLICATIONS  PARTICULATE MATERIALS TECHNOLOGY  PRINCIPLES OF AUTOMATION  PRINCIPLES OF MANUFACTURING ENGINEERING  WASTE TO ENERGY |

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| BranchName \ Date | **03-02-2025 (Monday)** | **05-02-2025 (Wednesday)** | |
| **(ELECTIVE-5)** | **(OPEN ELECTIVE)** | |
| **ARTIFICIAL INTELLIGENCE AND DATA SCIENCE (B2 - AI&DS)** | COMPUTER VISION  NATURAL LANGUAGE PROCESSING AND CHAT BOTS  PREDICTIVE ANALYTICS | ADVANCED FINITE ELEMENT AND BOUNDARY ELEMENT METHODS  ARTIFICIAL INTELLIGENCE: TECHNIQUES  ARTIFICIAL NEURAL NETWORKS  BASICS OF REFRIGERATION SYSTEMS  BUSINESS ANALYTICS  COGENERATION & WASTE HEAT RECOVERY SYSTEMS  COMPOSITE MATERIALS  CONCURRENT ENGINEERING  CONSTRUCTION MANAGEMENT  COST MANAGEMENT OF ENGINEERING PROJECTS  DISASTER ANALYTICS  DISASTER MANAGEMENT  ENERGY FROM WASTE  ENTREPRENEURSHIP  ENVIRONMENTAL LEGISLATION & AUDIT  FINITE ELEMENT METHODS  FUNDAMENTALS OF NANO TECHNOLOGY  FUNDAMENTALS OF PRODUCTION ENGINEERING  GIS & IOT FOR PLANNING & POLICY MAKING FOR SMART CITIES OR URBAN AREAS  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  INDUSTRIAL SAFETY (SYLLABUS FROM DEPT.OF MECHANICAL ENGG)  INTRODUCTION TO THERMAL STORAGE SYSTEMS  MECHANICS OF COMPOSITE MATERIALS  NON DESTRUCTIVE TESTING & EVALUATION  NUMERICAL METHODS  OPERATIONS RESEARCH (SYLLABUS FROM DEPT.OF CIVIL,CSE,EEE,ECE AND ALLIED BRANCHES)  OPTIMIZATION TECHNIQUES & APPLICATIONS  PARTICULATE MATERIALS TECHNOLOGY  PRINCIPLES OF AUTOMATION  PRINCIPLES OF MANUFACTURING ENGINEERING  WASTE TO ENERGY | |
| **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.** | | |