# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

**KUKATPALLY, HYDERABAD – 500 085**
**EXAMINATION BRANCH**
**IV YEAR B.TECH – I SEMESTER– R18 REGULATION REGULAR /SUPPLEMENTARY EXAMINATIONS DECEMBER-2023/JANUARY-2024**
**TIME TABLE**

**T I M E→FN: 10:00 AM TO 1:00 PM**

| BRANCH | 27-12-2023 WEDNESDAY | 29-12-2023 FRIDAY | 02-01-2024 TUESDAY | 04-01-2024 THURSDAY | 06-01-2024 SATURDAY | 08-01-2024 MONDAY |
|---|---|---|---|---|---|---|
| **CIVIL ENGINEERING** (01-CE) | Estimation, Costing and Project Management | Professional Practice law & Ethics | E3 — Remote Sensing & GIS / Advanced Structural Design / Ground Improvement Techniques | E4 — Irrigation and Hydraulic Structures / Pipeline Engineering / Ground Water Hydrology | OE2 — Basic Mechanical Engineering; Data Structures; Electric Drives And Control; Fundamentals of Biomedical Applications; Python Programming; Basics of Aeronautical Engineering; Java Programming; Artificial Intelligence; Surface Engineering; Principles of Entrepreneurship; Natural Gas Engineering; Engineering Materials; Material Handling In Mines; Utilization of Electrical Energy; Electronic Sensors; Data Mining; Iot Automation; Ai Applications; Optimization Techniques; Data Analytics; Introduction to Natural Language Processing; Enterprise Resource Planning; Social Media Security; 5G Technologies; Computer Security & Audit Assurance; Design Thinking; Intellectual Property Rights; Health & Safety In Mines | --- |

**Date: 06-12-2023**

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|---|---|---|---|---|---|---|
| | | E2 | E3 | E4 | OE2 | E3 |
| | | Additive Manufacturing | Power Plant Engineering | Computational Fluid Dynamics | Fundamentals of Biomedical Applications | Automobile Engineering |
| | | | | | Data Structures | |
| | | | | | Basics of Aeronautical Engineering | |
| | | Automation in Manufacturing | | | Java Programming | |
| | | | | Turbo Machinery | Intellectual Property Rights | |
| | | MEMS | Renewable Energy Sources | Fluid Power Systems | Electric Drives and Control | |
| | | | | | Artificial Intelligence | |
| **MECHANICAL ENGINEERING** **(03-ME)** | Refrigeration & Air Conditioning | | | | Social Media Security | |
| | | | | | Introduction to Natural Language Processing | |
| | | | | | Optimization Techniques | |
| | | | | | Data Analytics | |
| | | | | | Engineering Materials | |
| | | | | | Python Programming | |
| | | | | | Remote Sensing & GIS | |
| | | | | | Principles of Entrepreneurship | |
| | | | | | Electronic Sensors | |
| | | | | | Natural Gas Engineering | |
| | | | | | Material Handling In Mines | |
| | | | | | Health & Safety In Mines | |
| | | | | | Surface Engineering | |
| | | | | | Utilization of Electrical Energy | |
| | | | | | 5g Technologies | |
| | | | | | IOT Automation | |
| | | | | | AI Applications | |
| | | | | | Enterprise Resource Planning | |
| | | | | | Computer Security & Audit Assurance | |
| | | | | | Design Thinking | |
| | | | | | Data Mining | |

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|---|---|---|---|---|---|---|
| **ELECTRONICS AND COMMUNICATION ENGINEERING** **(04-ECE)** | Microwave and Optical Communications | Professional Practice law & Ethics | E3 | E4 | **OE2** | |
| | | | | | Material Handling In Mines | -- |
| | | | Artificial Neural Networks | Biomedical Instrumentation | Optimization Techniques | |
| | | | | | Data Analytics | |
| | | | | | Data Mining | |
| | | | | | Enterprise Resource Planning | |
| | | | Scripting Languages | Database Management Systems | Social Media Security | |
| | | | | | Design Thinking | |
| | | | | | 5G Technologies | |
| | | | Digital Image Processing | | IOT Automation | |
| | | | | | AI Applications | |
| | | | | Network Security and Cryptography | Introduction To Natural Language Processing | |
| | | | | | Remote Sensing & GIS | |
| | | | | | Artificial Intelligence | |
| | | | | | Python Programming | |
| | | | | | Basic Mechanical Engineering | |
| | | | | | Surface Engineering | |
| | | | | | Principles of Entrepreneurship | |
| | | | | | Health & Safety In Mines | |
| | | | | | Fundamentals of Biomedical Applications | |
| | | | | | Data Structures | |
| | | | | | Basics of Aeronautical Engineering | |
| | | | | | Utilization of Electrical Energy | |
| | | | | | Engineering Materials | |
| | | | | | Intellectual Property Rights | |
| | | | | | Natural Gas Engineering | |
| | | | | | Computer Security & Audit Assurance | |
| | | | | | Java Programming | |
| | | | | | Electric Drives and Control | |

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|---|---|---|---|---|---|---|---|
| **ELECTRONICS AND INSTRUMENTATION ENGINEERING** **(10-EIE)** | Analytical Instrumentation | Professional Practice, Law & Ethics | E3 | E4 | OE2 | | --- |
| | | | Pharmaceutical Instrumentation | Biomedical Instrumentation | | Natural Gas Engineering | |
| | | | | | | Basic Mechanical Engineering | |
| | | | | | | Basics of Aeronautical Engineering | |
| | | | Virtual Instrumentation | | | Surface Engineering | |
| | | | | | | Java Programming | |
| | | | | | | Material Handling In Mines | |
| | | | MEMS and its applications | Computer Networks | | Artificial Intelligence | |
| | | | | | | Electronic Sensors | |
| | | | | | | Electric Drives And Control | |
| | | | | | | Data Structures | |
| | | | | Artificial Neural Networks | | Python Programming | |
| | | | | | | Intellectual Property Rights | |
| | | | | | | Design Thinking | |
| | | | | | | Principles of Entrepreneurship | |
| | | | | | | Remote Sensing & GIS | |
| | | | | | | Utilization of Electrical Energy | |
| | | | | | | Health & Safety In Mines | |
| | | | | | | 5G Technologies | |
| | | | | | | Computer Security & Audit Assurance | |
| | | | | | | Engineering Materials | |
| | | | | | | Optimization Techniques | |
| | | | | | | AI Applications | |
| | | | | | | Introduction To Natural Language Processing | |
| | | | | | | Social Media Security | |
| | | | | | | Data Analytics | |
| | | | | | | Data Mining | |
| | | | | | | Enterprise Resource Planning | |
| | | | | | | IOT Automation | |

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|---|---|---|---|---|---|---|
| MECHANICAL ENGINEERING (MECHATRONICS) (14-MECT) | --- | E2 | E3 | E4 | OE2 | Automobile Engineering |
| | | Operations Research | Power Plant Engineering | Computational Fluid Dynamics | Utilization of Electrical Energy | |
| | | | | | Python Programming | |
| | | Computer Organization | Product Design & Assembly Automation | Advanced Kinematics and Dynamics of Machinery | Health & Safety In Mines | |
| | | | | | Electronic Sensors | |
| | | | | | Optimization Techniques | |
| | | | | | Remote Sensing & GIS | |
| | | Advanced Data Structures | Renewable Energy Sources | Flexible Manufacturing Systems | Natural Gas Engineering | |
| | | | | | Java Programming | |
| | | | | | Basics of Aeronautical Engineering | |
| | | | | | Material Handling In Mines | |
| | | | | | Surface Engineering | |
| | | | | | Electric Drives And Control | |
| | | | | | Fundamentals of Biomedical Applications | |
| | | | | | Data Structures | |
| | | | | | Artificial Intelligence | |
| | | | | | Engineering Materials | |
| | | | | | IOT Automation | |
| | | | | | AI Applications | |
| | | | | | Data Analytics | |
| | | | | | Data Mining | |
| | | | | | Introduction To Natural Language Processing | |
| | | | | | Enterprise Resource Planning | |
| | | | | | Social Media Security | |
| | | | | | 5G Technologies | |
| | | | | | Design Thinking | |
| | | | | | Computer Security & Audit Assurance | |

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|---|---|---|---|---|---|---|---|
| | | | E3 | E4 | OE2 | | |
| | | | | Functional Materials | Utilization of Electrical Energy | | |
| | | | | | Intellectual Property Rights | | |
| | | | | Computational Materials Engineering | Principles of Entrepreneurship | | |
| | | | Alternate Routes of Iron & Steel Making | | Health & Safety In Mines | | |
| | | | | | Python Programming | | |
| | Fundamentals of Management for Engineers | Introduction to Instrumentation | | | Enterprise Resource Planning | | |
| | | | | Ceramics Science and Technology | Electronic Sensors | | |
| | | | | | Material Handling In Mines | | |
| | | | | | Fundamentals of Biomedical Applications | | |
| | | | | | Remote Sensing & GIS | | |
| METALLURGICAL AND MATERIALS ENGINEERING (18-MMT) | | | | | Artificial Intelligence | | --- |
| | | | | | Natural Gas Engineering | | |
| | | | Bio Materials | | Data Structures | | |
| | | | | | Java Programming | | |
| | | | | | Electric Drives And Control | | |
| | | | | | Basics of Aeronautical Engineering | | |
| | | | | | Basic Mechanical Engineering | | |
| | | | | | Computer Security & Audit Assurance | | |
| | | | | | Design Thinking | | |
| | | | | | Data Analytics | | |
| | | | | | IOT Automation | | |
| | | | Non-Destructive Testing | | Optimization Techniques | | |
| | | | | | Social Media Security | | |
| | | | | | 5G Technologies | | |
| | | | | | AI Applications | | |
| | | | | | Data Mining | | |
| | | | | | Introduction to Natural Language Processing | | |

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|---|---|---|---|---|---|---|
| | | | E3 | E4 | OE2 | --- |
| | | E2 | Experimental Aerodynamics | Industrial Aerodynamics | Electronic Sensors | |
| | | | | | Optimization Techniques | |
| | | Space Mechanics | | | Electric Drives And Control | |
| | | | | | Engineering Materials | |
| | | Rockets and Missiles | | | Remote Sensing & GIS | |
| | | | | | Python Programming | |
| | | | | | Natural Gas Engineering | |
| | Vibration and Aero-elasticity | Wind Tunnel Technique | Hypersonic Aerodynamics | Turbo Machinery | Utilization of Electrical Energy | |
| | | | | | Intellectual Property Rights | |
| | | | | | Material Handling In Mines | |
| | | | | | Surface Engineering | |
| | | | | | Artificial Intelligence | |
| AERONAUTICAL ENGINEERING (21-AE) | | | Advanced Computational Aerodynamics | Theory of Combustion | Java Programming | |
| | | | | | Principles of Entrepreneurship | |
| | | | | | Fundamentals of Biomedical Applications | |
| | | | | | Data Structures | |
| | | | | | Basic Mechanical Engineering | |
| | | | | | Health & Safety In Mines | |
| | | | | | IOT Automation | |
| | | | | | Enterprise Resource Planning | |
| | | | | | Data Mining | |
| | | | | | Introduction To Natural Language Processing | |
| | | | | | AI Applications | |
| | | | | | Computer Security & Audit Assurance | |
| | | | | | Data Analytics | |
| | | | | | Social Media Security | |
| | | | | | Design Thinking | |
| | | | | | 5G Technologies | |

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|---|---|---|---|---|---|---|---|
| | | | E3 | E4 | OE2 | | -- |
| | | | Advanced Surface Mining | Rock Slope Technology | Natural Gas Engineering | | |
| | | | | | Remote Sensing & GIS | | |
| | | | | | Electric Drives And Control | | |
| | | | | Mine Systems Engineering | Java Programming | | |
| | | | | | Optimization Techniques | | |
| | | | Rock Fragmentation Engineering | | Utilization of Electrical Energy | | |
| | | | | Dimensional Stone Technology | Data Structures | | |
| | | | | | Fundamentals of Biomedical Applications | | |
| | | | | | Python Programming | | |
| MINING ENGG. (25-MNE) | Underground Metal Mining Technology | Mine Legislation | | | Basics of Aeronautical Engineering | | |
| | | | | | Surface Engineering | | |
| | | | | | Artificial Intelligence | | |
| | | | | | Electronic Sensors | | |
| | | | | | Principles of Entrepreneurship | | |
| | | | | | Engineering Materials | | |
| | | | Risk Assessment and Management | | Basic Mechanical Engineering | | |
| | | | | | Intellectual Property Rights | | |
| | | | | | IOT Automation | | |
| | | | | | 5G Technologies | | |
| | | | | | AI Applications | | |
| | | | | | Data Mining | | |
| | | | | | Computer Security & Audit Assurance | | |
| | | | | | Data Analytics | | |
| | | | | | Design Thinking | | |
| | | | | | Social Media Security | | |
| | | | | | Enterprise Resource Planning | | |
| | | | | | Introduction To Natural Language Processing | | |

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|---|---|---|---|---|---|---|---|
| | | E2 | E3 | E4 | OE2 | | |
| **PETROLEUM ENGINEERING** (27 - PTME) | Petroleum Economics, Policies & Laws | Optimization of Upstream Processes | Shale Gas Reservoir Engineering | Pipeline Maintenance Engineering | | Python Programming | --- |
| | | | | | | Artificial Intelligence | |
| | | | | | | Data Structures | |
| | | | | | | Principles of Entrepreneurship | |
| | | | | | | Data Analytics | |
| | | | | Natural Gas Processing | | Electric Drives And Control | |
| | | | | | | Health & Safety In Mines | |
| | | | Petroleum Reservoir Stimulation | | | Remote Sensing & GIS | |
| | | | | Petrochemical Engineering | | Electronic Sensors | |
| | | | | | | Java Programming | |
| | | | | | | Material Handling In Mines | |
| | | Chemical Reaction Engineering | Petroleum Reservoir Modeling & Simulation | | | Engineering Materials | |
| | | | | | | Surface Engineering | |
| | | | | | | Fundamentals of Biomedical Applications | |
| | | | | | | Basic Mechanical Engineering | |
| | | | | | | Intellectual Property Rights | |
| | | | | | | Basics of Aeronautical Engineering | |
| | | Offshore Engineering | | | | Utilization of Electrical Energy | |
| | | | | | | AI Applications | |
| | | | | | | Introduction To Natural Language Processing | |
| | | | | | | Computer Security & Audit Assurance | |
| | | | | | | Design Thinking | |
| | | | | | | Optimization Techniques | |
| | | | | | | Data Mining | |
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**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.
(iii)  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