

# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY, HYDERABAD – 500 085

EXAMINATION BRANCH

**IV YEAR B.TECH – I SEMESTER– R18 REGULATION REGULAR EXAMINATIONS FEBRUARY-2022**

**TIME TABLE**

**T I M E→FN: 9:45 AM TO 12:45 PM**

| BRANCH  | 09-02-2022<br>WEDNESDAY                          | 11-02-2022<br>FRIDAY                  | 14-02-2022<br>MONDAY          | 16-02-2022<br>WEDNESDAY             | 18-02-2022<br>FRIDAY                    |
|---|--|---------------------------------------|-------------------------------|-------------------------------------|---|
| <b>CIVIL<br/>ENGINEERING<br/><br/>(01-CE)</b> | Estimation, Costing<br>and Project<br>Management | Professional Practice<br>law & Ethics | E3                            | E4                                  | OE2                                     |
|   |  |                                       | Remote Sensing & GIS          | Irrigation and Hydraulic Structures | Data Structures                         |
|   |  |                                       | Advanced Structural Design    | Pipeline Engineering                | Artificial Intelligence                 |
|   |  |                                       | Ground Improvement Techniques | Ground Water Hydrology              | Python Programming                      |
|   |  |                                       |                               |                                     | Java Programming                        |
|   |  |                                       |                               |                                     | Fundamentals of Biomedical Applications |
|   |  |                                       |                               |                                     | Electronic Sensors                      |
|   |  |                                       |                               |                                     | Utilization of Electrical Energy        |
|   |  |                                       |                               |                                     | Electric Drives and Control             |
|   |  |                                       |                               |                                     | Basic Mechanical Engineering            |
|   |  |                                       |                               |                                     | Basics of Aeronautical Engineering      |
|   |  |                                       |                               |                                     | Intellectual Property Rights            |
|   |  |                                       |                               |                                     | Principles of Entrepreneurship          |
|   |  |                                       | Natural Gas Engineering       |                                     |   |
| Engineering Materials                         |  |                                       |                               |                                     |   |
| Surface Engineering                           |  |                                       |                               |                                     |   |
| Health & Safety in Mines                      |  |                                       |                               |                                     |   |
| Material Handling in Mines                    |  |                                       |                               |                                     |   |

Date: 21-01-2022

Sd/-

**CONTROLLER OF EXAMINATIONS**

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|--|-------------------------------------|--------------------------------|-----------------------------|---------------------------------|--|
| <b>MECHANICAL<br/>ENGINEERING<br/><br/>(03-ME)</b> | Refrigeration & Air<br>Conditioning | E2                             | E3                          | E4                              | OE2  |
|  |                                     | Additive<br>Manufacturing      | Power Plant Engineering     | Computational Fluid<br>Dynamics | Remote Sensing & GIS                       |
|  |                                     | Automation in<br>Manufacturing | Automobile Engineering      | Turbo Machinery                 | Data Structures                            |
|  |                                     | MEMS                           | Renewable Energy<br>Sources | Fluid Power Systems             | Artificial Intelligence                    |
|  |                                     |                                |                             |                                 | Python Programming                         |
|  |                                     |                                |                             |                                 | Java Programming                           |
|  |                                     |                                |                             |                                 | Fundamentals of Biomedical<br>Applications |
|  |                                     |                                |                             |                                 | Electronic Sensors                         |
|  |                                     |                                |                             |                                 | Utilization of Electrical<br>Energy        |
|  |                                     |                                |                             |                                 | Electric Drives and Control                |
|  |                                     |                                |                             |                                 | Basics of Aeronautical<br>Engineering      |
|  |                                     |                                |                             |                                 | Intellectual Property Rights               |
|  |                                     |                                |                             |                                 | Principles of Entrepreneurship             |
|  |                                     |                                | Engineering Materials       |                                 |  |
|  |                                     |                                | Surface Engineering         |                                 |  |
|  |                                     |                                | Natural Gas Engineering     |                                 |  |
|  |                                     |                                | Health & Safety in Mines    |                                 |  |
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|---|--|--|-------------------------------|--------------------------------------|--|
| <b>ELECTRONICS<br/>AND<br/>COMMUNICATION<br/>ENGINEERING</b><br><br><b>(04-ECE)</b> | Microwave and<br>Optical<br>Communications | Professional<br>Practice law &<br>Ethics | E3                            | E4                                   | <b>OE2</b>                                 |
|   |  |  |                               |                                      | Data Structures                            |
|   |  |  | Artificial Neural<br>Networks | Biomedical Instrumentation           | Artificial Intelligence                    |
|   |  |  |                               |                                      | Remote Sensing & GIS                       |
|   |  |  |                               |                                      | Python Programming                         |
|   |  |  | Scripting Languages           | Database Management<br>Systems       | Java Programming                           |
|   |  |  |                               |                                      | Fundamentals of Biomedical<br>Applications |
|   |  |  | Digital Image<br>Processing   |                                      | Utilization of Electrical Energy           |
|   |  |  |                               | Network Security and<br>Cryptography | Electric Drives and Control                |
|   |  |  |                               |                                      | Basic Mechanical Engineering               |
|   |  |  |                               |                                      | Basics of Aeronautical Engineering         |

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|--|-----------------------------------|---|-----------------------------------|-------------------------------|------------------------------------|
| <b>ELECTRONICS<br/>AND<br/>INSTRUMENTATION<br/>ENGINEERING<br/><br/>(10-EIE)</b> | Analytical<br>Instrumentati<br>on | Professional<br>Practice, Law &<br>Ethics | E3                                | E4                            | OE2                                |
|  |                                   |   | Pharmaceutical<br>Instrumentation | Biomedical<br>Instrumentation | Remote Sensing & GIS               |
|  |                                   |   |                                   |                               | Data Structures                    |
|  |                                   |   | Virtual<br>Instrumentation        |                               | Artificial Intelligence            |
|  |                                   |   |                                   |                               | Python Programming                 |
|  |                                   |   | MEMS and its<br>applications      | Computer Networks             | Java Programming                   |
|  |                                   |   |                                   |                               | Electronic Sensors                 |
|  |                                   |   |                                   |                               | Utilization of Electrical Energy   |
|  |                                   |   |                                   | Artificial Neural<br>Networks | Electric Drives and Control        |
|  |                                   |   |                                   |                               | Basic Mechanical Engineering       |
|  |                                   |   |                                   |                               | Basics of Aeronautical Engineering |
|  |                                   |   |                                   |                               | Intellectual Property Rights       |
|  |                                   |   |                                   |                               | Principles of Entrepreneurship     |
|  |                                   |   |                                   |                               | Natural Gas Engineering            |
|  |                                   |   |                                   |                               | Engineering Materials              |
| Surface Engineering  |                                   |   |                                   |                               |                                    |
| Health & Safety in Mines   |                                   |   |                                   |                               |                                    |
| Material Handling in Mines   |                                   |   |                                   |                               |                                    |

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|---|---------------------------|-----------------------------|--|--|---|
| <b>MECHANICAL<br/>ENGINEERING<br/>(MECHATRONICS)</b><br><br>(14-MECT) | Automobile<br>Engineering | E2                          | E3   | E4   | OE2   |
|   |                           | Operations<br>Research      |  | Power Plant<br>Engineering                       | Computational Fluid<br>Dynamics               |
|   |                           | Computer<br>Organization    | Product Design &<br>Assembly<br>Automation | Advanced Kinematics and<br>Dynamics of Machinery | Artificial Intelligence<br>Python Programming |
|   |                           | Advanced Data<br>Structures | Renewable Energy<br>Sources                | Flexible Manufacturing<br>Systems                | Java Programming                              |
|   |                           |                             |  |  | Fundamentals of Biomedical Applications       |
|   |                           |                             |  |  | Electronic Sensors                            |
|   |                           |                             |  |  | Utilization of Electrical Energy              |
|   |                           |                             |  |  | Electric Drives and Control                   |
|   |                           |                             |  |  | Basics of Aeronautical Engineering            |
|   |                           |                             |  |  | Natural Gas Engineering                       |
|   |                           |                             |  |  | Engineering Materials                         |
|   |                           |                             |  |  | Surface Engineering                           |
|   |                           |                             |  |  | Health & Safety in Mines                      |
|   |                           |                             |  |  | Material Handling in Mines                    |

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|---|------------------------------------|--|--|--|--|
| <b>METALLURGICAL<br/>AND MATERIALS<br/>ENGINEERING</b><br><br><b>(18-MMT)</b> | Introduction to<br>Instrumentation | Fundamentals of<br>Management for<br>Engineers | E3   | E4                                     | OE2  |
|   |                                    |  | Alternate Routes of<br>Iron & Steel Making | Functional Materials                   | Remote Sensing & GIS                       |
|   |                                    |  |  | Data Structures                        | Artificial Intelligence                    |
|   |                                    |  |  | Computational Materials<br>Engineering | Python Programming                         |
|   |                                    |  | Bio Materials                              | Java Programming                       | Fundamentals of Biomedical<br>Applications |
|   |                                    |  |  | Ceramics Science and<br>Technology     | Electronic Sensors                         |
|   |                                    |  |  | Utilization of Electrical Energy       | Electric Drives and Control                |
|   |                                    |  |  | Non-Destructive<br>Testing             | Basic Mechanical Engineering               |
|   |                                    |  |  | Basics of Aeronautical Engineering     | Intellectual Property Rights               |
|   |                                    |  |  | Principles of Entrepreneurship         | Natural Gas Engineering                    |
|   |                                    |  |  | Health & Safety in Mines               | Material Handling in Mines                 |

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|---|----------------------------------|---|------------------------------|--|-------------------------|
| <b>AERONAUTICAL<br/>ENGINEERING<br/>(21-AE)</b> | Vibration and<br>Aero-elasticity | E2  | E3                           | E4   | OE2                     |
|   |                                  | Space Mechanics                           | Experimental<br>Aerodynamics | Industrial Aerodynamics                    | Remote Sensing & GIS    |
|   |                                  | Rockets and Missiles                      |                              |  | Data Structures         |
|   |                                  |   |                              |  | Artificial Intelligence |
|   |                                  | Wind Tunnel<br>Technique                  | Hypersonic<br>Aerodynamics   | Turbo Machinery                            | Python Programming      |
|   |                                  |   |                              |  | Java Programming        |
|   |                                  | Advanced<br>Computational<br>Aerodynamics | Theory of Combustion         | Fundamentals of Biomedical<br>Applications |                         |
|   |                                  |   |                              | Electronic Sensors                         |                         |
|   |                                  |   |                              | Utilization of Electrical Energy           |                         |
|   |                                  |   |                              | Electric Drives and Control                |                         |
|   |                                  |   |                              | Basic Mechanical Engineering               |                         |
|   |                                  |   |                              | Intellectual Property Rights               |                         |
|   |                                  |   |                              | Principles of Entrepreneurship             |                         |
|   |                                  | Natural Gas Engineering                   |                              |  |                         |
|   |                                  | Engineering Materials                     |                              |  |                         |
| Surface Engineering                             |                                  |   |                              |  |                         |
| Health & Safety in Mines                        |                                  |   |                              |  |                         |
| Material Handling in Mines                      |                                  |   |                              |  |                         |

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|--------------------------------------|---|----------------------|-----------------------------------|---|----------------------|
| <b>MINING<br/>ENGG.<br/>(25-MNE)</b> | Underground<br>Metal Mining<br>Technology | Mine Legislation     | E3                                | E4                                      | OE2                  |
|                                      |   |                      | Advanced Surface Mining           | Rock Slope Technology                   | Remote Sensing & GIS |
|                                      |   |                      |                                   | Mine Systems Engineering                | Data Structures      |
|                                      |   |                      | Rock Fragmentation<br>Engineering | Artificial Intelligence                 | Python Programming   |
|                                      |   |                      |                                   | Risk Assessment and<br>Management       | Java Programming     |
|                                      |   |                      | Dimensional Stone<br>Technology   | Fundamentals of Biomedical Applications |                      |
|                                      |   |                      |                                   | Electronic Sensors                      |                      |
|                                      |   |                      |                                   | Utilization of Electrical Energy        |                      |
|                                      |   |                      |                                   | Electric Drives and Control             |                      |
|                                      |   |                      |                                   | Basic Mechanical Engineering            |                      |
|                                      |   |                      |                                   | Basics of Aeronautical Engineering      |                      |
|                                      |   |                      |                                   | Intellectual Property Rights            |                      |
|                                      |   |                      |                                   | Principles of Entrepreneurship          |                      |
|                                      |   |                      | Natural Gas Engineering           |   |                      |
| Engineering Materials                |   |                      |                                   |   |                      |
| Surface Engineering                  |   |                      |                                   |   |                      |

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|---|--|--|------------------------------------|---|----------------------|
| <b>PETROLEUM<br/>ENGINEERING</b><br><br>(27 - PTME) | Petroleum<br>Economics,<br>Policies & Laws | E2   | E3                                 | E4                                      | OE2                  |
|   |  | Optimization of<br>Upstream<br>Processes     | Shale Gas Reservoir<br>Engineering | Pipeline Maintenance<br>Engineering     | Remote Sensing & GIS |
|   |  |  |                                    |   | Data Structures      |
|   |  |  | Artificial Intelligence            |   |                      |
|   |  | Petroleum Reservoir<br>Stimulation           | Natural Gas Processing             | Python Programming                      |                      |
|   |  |  |                                    | Java Programming                        |                      |
|   |  |  |                                    | Fundamentals of Biomedical Applications |                      |
|   |  | Petroleum Reservoir<br>Modeling & Simulation | Petrochemical Engineering          | Electronic Sensors                      |                      |
|   |  |  |                                    | Utilization of Electrical Energy        |                      |
|   |  |  |                                    | Electric Drives and Control             |                      |
|   |  |  |                                    | Basic Mechanical Engineering            |                      |
|   |  |  |                                    | Basics of Aeronautical Engineering      |                      |
|   |  |  |                                    | Intellectual Property Rights            |                      |
|   |  | Chemical<br>Reaction<br>Engineering          | Principles of Entrepreneurship     |   |                      |
|   |  | Offshore<br>Engineering                      | Engineering Materials              |   |                      |
|   | Surface Engineering                        |  |                                    |   |                      |
|   | Health & Safety in Mines                   |  |                                    |   |                      |
|   | Material Handling in Mines                 |  |                                    |   |                      |

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Note: ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS IMMEDIATELY.

(i) EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES, THE EXAMINATIONS SHALL BE CONDUCTED AS USUAL

(ii) 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.