



**Jawaharlal Nehru Technological University Anantapur**  
**Examinations Branch**  
**Timetable**  
**M.Tech - I Semester Regular & Supplementary Examinations, April 2023**  
 (for students admitted in 2021 & 2022 only)

Time: 10.00 AM to 01.00 PM

| Date / Day              | Computer Aided Structural Engineering (CASE)                                    | Structural Engineering (Struc.E)   | Structural Engineering & Construction Management (SE&CM)  | Geotechnical Engineering (GTE)                     |   |   |   |
|-------------------------|---|--|---|--|---|---|---|
| 10.04.2023<br>Monday    | Theory of Elasticity<br>21D35101<br>(Common to CASE, Struc.E and SE&CM)         | Advanced Structural Analysis<br>21D20101                                     | Theory of Elasticity<br>21D35101<br>(Common to CASE, Struc.E and SE&CM)                           | Design of Shallow Foundations<br>21D12101          |   |   |   |
|                         |   |  | Advanced Construction Techniques<br>21D91103a<br>Quality Control & Safety Management<br>21D91103b |  |   |   |   |
| 12.04.2023<br>Wednesday | Matrix Methods of Structural Analysis<br>21D35102<br>(Common to CASE and SE&CM) | Maintenance & Rehabilitation of Structures<br>21D20103a                      | Matrix Methods of Structural Analysis<br>21D35102<br>(Common to CASE and SE&CM)                   | Advanced Soil Mechanics<br>21D12102                |   |   |   |
|                         |   |  |   |  | Design of Prestressed Concrete<br>21D35104b<br>(Common to CASE & Struc.E) | Construction Management<br>21D91101                       | Numerical Methods<br>21D35104           |
|                         |   |  |   |  |   |   |   |
| 15.04.2023<br>Saturday  | Computer Aided Numerical Methods<br>21D35103                                    | Design of Bridges<br>21D20103b   | Advanced Mathematical Methods<br>21D35105<br>(Common to Struc.E and SE&CM)                        | Geo-Environmental Engineering<br>21D12104a         |   |   |   |
|                         |   |  |   |  | Optimization in Structural Design<br>21D35103a                            | Cost Effective Housing Techniques<br>21D91102a            | Theoretical Soil Mechanics<br>21D12103a |
|                         |   |  |   |  |   |   |   |
| 18.04.2023<br>Tuesday   |   | Advanced Concrete Technology<br>21D21103a<br>(Common to Struc.E, CPM and HE) |   | Geo-Technical Earth Quake Engineering<br>21D12103b |   |   |   |
|                         |   |  |   |  | Theory & Analysis of Plates & Shells<br>21D35203b                         | Research Methodology & IPR<br>21DRM101<br>(Common to all) |   |
| 20.04.2023<br>Thursday  | Research Methodology & IPR<br>21DRM101<br>(Common to all)                       |  |   |  |   |   |   |

Date: 20.03.2023





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**M.Tech - I Semester Regular & Supplementary Examinations, April 2023**

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Time: 10.00 AM to 01.00 PM

| Date / Day              | Construction Planning & Management (CPM)                                     | Highway Engineering (HE)                     | Electrical Power Systems and Power System (EPS & PS)                        | Power Electronics and Power Electronics & Electrical Drives (PE & PEED) |
|-------------------------|--|--|---|---|
| 10.04.2023<br>Monday    | Probability & Statistics<br>21DBS106   | Highway Infrastructure Design<br>21D93101    | Advanced Power System Protection<br>21D07101                                | Switched Mode Power Converters<br>21D54101                              |
|                         | Construction Planning & Project Management<br>21D21101                       | Urban Transportation Planning<br>21D93102    | Power System Security & State Estimation<br>21D07102                        | Machine Modelling & Analysis<br>21D54102                                |
| 12.04.2023<br>Wednesday | Construction Practices<br>21D21102a  | Traffic Engineering<br>21D93103a             | Energy Auditing & Management<br>21D07103a<br>(Common to EPS, PS, PE & PEED) |   |
|                         | Human Resource Development for Construction<br>21D21102b                     | Project Management<br>21D93103b              | Modelling & Analysis of HVDC Systems<br>21D07103b                           | Modern Control Theory<br>21D07203b                                      |
|                         | Value Engineering<br>21D21102c   | Bridge Engineering<br>21D93103c              | Power System Optimization<br>21D07103c                                      | Power Electronic Control of DC Drives<br>21D54103a                      |
| 15.04.2023<br>Saturday  | Advanced Concrete Technology<br>21D21103a<br>(Common to Struc.E, CPM and HE) |  | Solar & Wind Energy Conversion Systems<br>21D07104a                         | Solar Energy Conversion Systems<br>21D54104a                            |
|                         | Construction Economics & Finance<br>21D21103b                                | Ground Improvement Methods<br>21D93104b      | Smart Grid Technologies<br>21D07104b<br>(Common to EPS, PS, PE & PEED)      |   |
|                         | Construction Technology for Tunnels<br>21D21103c                             | Pavement Materials & Properties<br>21D93104a | Electric Vehicle Engineering<br>21D07104c                                   | Wind Energy Conversion Systems<br>21D54104b                             |
| 20.04.2023<br>Thursday  | Research Methodology & IPR<br>21DRM101<br>(Common to all)                    |  |   |   |





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| Date / Day              | VLSI, VLSI Design, VLSI System Design<br>(VLSI, VLSIS and VLSISD)  | VLSI & Embedded Systems, Embedded Systems & VLSI and VLSI & Embedded System Design<br>(VLSI&ES, ES&VLSI and VLSI&ESD)        | Digital Systems & Computer Electronics<br>(DSCE)                              | Embedded Systems<br>(ES)   |                               |   |  |   |
|-------------------------|--|--|---|--|-------------------------------|---|--|---|
| 10.04.2023<br>Monday    | CMOS Analog IC Design<br>21D57101  | Microcontrollers & Programmable Digital Signal Processors<br>21D06102<br>(Common to VLSI&ES, ES&VLSI, VLSI&ESD, DSCE and ES) | Digital System Design with PLDs<br>21D06101<br>(Common to DSCE & ES)          | Advanced Computer Architecture<br>21D06103a<br>(Common to DSCE & ES) |                               |   |  |   |
|                         | Microchip Fabrication Techniques<br>21D57103a  |  |   |  |                               |   |  |   |
| 15.04.2023<br>Saturday  | Nanomaterials & Nanotechnology<br>21D57103b<br>(Common to VLSI, VLSIS, VLSISD, VLSI&ES, ES&VLSI and VLSI&ESD)    | Low Power VLSI Design<br>21D68102a   | Design of Fault Tolerant Systems<br>21D06103b<br>(Common to DSCE, ECE & DECS) | ---  |                               |   |  |   |
|                         |  |  |   |  | CAD for VLSI<br>21D57103c     | Advanced Operating Systems<br>21D06103c       | Advanced Microcontrollers<br>21D55101a |   |
|                         |  |  |   |  | Device Modelling<br>21D57104a | Communication Buses & Interfaces<br>21D68101a | ---                                    | Embedded Real Time Operating Systems<br>21D06203c |
|                         |  |  |   |  | ---                           | ---   | ---                                    |   |
| 18.04.2023<br>Tuesday   | FPGA Architectures & Applications<br>21D57104b<br>(Common to VLSI, VLSIS, VLSISD, VLSI&ES, ES&VLSI and VLSI&ESD) | Data Acquisition System Design<br>21D68101b  | Digital Signal Processors & Architectures<br>21D06104b                        | Advanced Computer Networks<br>21D55102a                              |                               |   |  |   |
|                         |  |  |   |  | ASIC Design<br>21D57104c      | Advanced Data Communication<br>21D06104c      | ---                                    |   |
| 20.04.2023<br>Thursday  | ---  | Research Methodology & IPR<br>21DRM101<br>(Common to all)  | ---   | ---  |                               |   |  |   |
| 24.04.2023<br>Monday    | ---  | ---  | ---   | Soc Architecture<br>21D06203a<br>(Common to ES, ECE & DECS)          |                               |   |  |   |
| 26.04.2023<br>Wednesday | ---  | CMOS Digital IC Design<br>21D57102<br>(Common to VLSI, VLSIS, VLSISD, VLSI&ES, ES&VLSI, VLSI&ESD, DSCE and ES)               | ---   | ---  |                               |   |  |   |

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**M.Tech - I Semester Regular & Supplementary Examinations, April 2023**  
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**Time: 10.00 AM to 01.00 PM**

| Date / Day              | Electronics & Communication Engineering (ECE)                                 | Digital Electronics & Communication Systems (DECS)          | Computer Networks (CN)   | Software Engineering (SE)                                      |
|-------------------------|---|---|--|--|
| 10.04.2023<br>Monday    | Advanced Digital System Design<br>21D38101<br>(Common to ECE & DECS)          |   | Data Networks<br>21D08101  | Advanced Software Quality & Testing<br>21D25101                |
| 12.04.2023<br>Wednesday | Wireless Communication & Networks<br>21D38102<br>(Common to ECE & DECS)       |   | Advanced Data Structures & Algorithms<br>21D58101<br>(Common to CN, SE, CSE and AI&ML) |  |
| 15.04.2023<br>Saturday  | Design of Fault Tolerant Systems<br>21D06103b<br>(Common to DSCE, ECE & DECS) |   | Real Time Systems<br>21D08102a   | Software Reliability<br>21D25102a                              |
|                         | VLSI Technology & Design<br>21D06202<br>(Common to ECE & DECS)                |   | Network Security<br>21D08102b  | ---  |
| 18.04.2023<br>Tuesday   | ---   |   | Cloud Computing<br>21D08102c<br>(Common to CN and AI&ML)                               | Software Architecture<br>21D25102c                             |
|                         | Coding Theory & Techniques<br>21D38104a<br>(Common to ECE & DECS)             |   | Distribution & Parallel Systems<br>21D58204a   | ---  |
|                         | Optical Communication & Networks<br>21D38104b<br>(Common to ECE & DECS)       |   | Design Patterns<br>21D58104b<br>(Common to CN, SE and CSE)                             |  |
|                         | 5G Communications<br>21D38104c<br>(Common to ECE & DECS)                      |   | Network Coding<br>21D08103a  | Software Project Planning & Management<br>21D25103a            |
| 20.04.2023<br>Thursday  |   | Research Methodology & IPR<br>21DRM101<br>(Common to all)   |  |  |
| 24.04.2023<br>Monday    |   | SoC Architecture<br>21D06203a<br>(Common to ES, ECE & DECS) | ---  | Information Retrieval<br>21D25102b<br>(Common to SE and AI&ML) |
| 26.04.2023<br>Wednesday |   | ---   | ---  | Machine Learning<br>21D58103a<br>(Common to SE, CSE and AIML)  |

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| Date / Day              | Computer Science & Engineering (CSE)   | Artificial Intelligence & Machine Learning (AI&ML)                                       | Thermal Sciences & Energy Systems (TS&ES)   | Thermal Engineering (TE)   |  |
|-------------------------|--|--|---|--|--|
| 10.04.2023<br>Monday    | Advanced Computer Networks<br>21D58102   | Mathematical & Statistical Foundations<br>21DBS102                                       | Energy Management of Thermal Systems<br>21D11101  | Advanced Heat & Mass Transfer<br>21D11201  |  |
|                         |  | Principles of Data Science<br>21D97105   | Advanced Thermodynamics<br>21D11102<br>(Common to TE&ES, TE and R&AC)   |  |  |
| 12.04.2023<br>Wednesday | Advanced Data Structures & Algorithms<br>21D58101<br>(Common to CN, SE, CSE and AI&ML)   | Advanced Data Structures & Algorithms<br>21D58101<br>(Common to CN, SE, CSE and AI&ML)   | Renewable Energy Sources<br>21D11103a<br>Design of Air-Conditioning Systems<br>21D11103b<br>Energy Conservation Technologies<br>21D11103c                                 | Advanced Turbo Machines<br>21D88101a<br>Advanced Refrigeration & Air-Conditioning<br>21D88101b<br>Design of Thermal Systems<br>21D88101c |  |
|                         |  | Cloud Computing<br>21D08102c<br>(Common to CN and AI&ML)                                 |   |  |  |
| 15.04.2023<br>Saturday  | Object Oriented Software Engineering<br>21D58103b<br>Digital Image & Video Processing<br>21D58103C<br>Data Science<br>21D58104a<br>Design Patterns<br>21D58104b<br>(Common to CN, SE and CSE)<br>Information Security<br>21D58104c | Neural Networks & Genetic Algorithms<br>21D97102a<br>Artificial Intelligence<br>21D97101 | Fuels & Combustion Technology<br>21D11104a<br>(Common to TS&ES and TE)<br>Instrumentation for Thermal Engineering<br>21D11104b<br>Refrigeration & Cryogenics<br>21D11104c | FEA in Thermal Engineering<br>21D88102a<br>Design of Heat Exchangers<br>21D88102b  |  |
|                         |  |  |   |  | Research Methodology & IPR<br>21DRM101<br>(Common to all)      |
|                         |  |  |   |  | Information Retrieval<br>21D25102b<br>(Common to SE and AI&ML) |
| 20.04.2023<br>Thursday  | ---  | ---  | ---   | ---  |  |
| 24.04.2023<br>Monday    | ---  | ---  | ---   | ---  |  |
| 26.04.2023<br>Wednesday | Machine Learning<br>21D58103a<br>(Common to SE, CSE and AI&ML)   | ---  | ---   | ---  |  |





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Time: 10.00 AM to 01.00 PM

| Date / Day              | Refrigeration & Air Conditioning (R&AC)                               | Production Engineering (PE)   | Advanced Manufacturing Systems (AMS)             |
|-------------------------|---|---|--|
| 10.04.2023<br>Monday    | Advanced Refrigeration<br>21D17101                                    | Theory of Metal Cutting & Tools<br>Design<br>21D94101                       | Automation in Manufacturing<br>21D87101          |
| 12.04.2023<br>Wednesday | Advanced Thermodynamics<br>21D11102<br>(Common to TE&ES, TE and R&AC) | Advanced Welding Technology<br>21D94102                                     | Computer Aided Manufacturing<br>21D87102         |
| 15.04.2023<br>Saturday  | Conduction & Radiation Heat Transfer<br>21D17103a                     | Materials Technology<br>21D15101c<br>(Common to PE & MD)                    | Precision Engineering<br>21D87103a               |
|                         | Design Optimization<br>21D17103b                                      | Friction & Wear in Machinery<br>21D94103a                                   | Special Manufacturing Processes<br>21D87103b     |
|                         | Food Preservation Techniques<br>21D17103c                             | Nanotechnology<br>21D94103b   | Product Data Management<br>21D87103c             |
| 18.04.2023<br>Tuesday   | Principles of Air Conditioning<br>21D17104a                           | Advanced Optimization<br>Techniques<br>21D04201<br>(Common to PE and PE&ED) | Design for Manufacturing & Assembly<br>21D87104a |
|                         | Cryogenic Engineering<br>21D17104b                                    | Quality Engineering<br>21D90301b  | Advanced CAD<br>21D87104b                        |
|                         | Solar Refrigeration & Air Conditioning<br>21D17105c                   | Advanced Metal Forming<br>Processes<br>21D90202c                            | Advanced Mechatronics<br>21D87104c               |
| 20.04.2023<br>Thursday  | Research Methodology & IPR<br>21DRM101<br>(Common to all)             |   |  |





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Time: 10.00 AM to 01.00 PM

| Date / Day  | Machine Design (MD)  | CAD/CAM  | Production Engineering & Engineering Design (PE&ED)                      |
|---|--|--|--|
| 10.04.2023<br>Monday                                      | Computational Methods<br>21DBS101<br>(Common to MD, CAD/CAM and PE&ED) | Advanced Finite Element Methods<br>21D04101<br>(Common to MD, CAD/CAM and PE&ED)   | Computational Methods<br>21DBS101<br>(Common to MD, CAD/CAM and PE&ED)   |
|   |  |  | Design for Manufacturing<br>21D04301b                                    |
|   |  |  | Rapid Prototyping<br>21D90101  |
| 12.04.2023<br>Wednesday                                   | Advanced Mechanisms<br>21D15101a                                       | Advances in Manufacturing Technology<br>21D04103a<br>(Common to CAD/CAM and PE&ED) | Advanced Mechanisms<br>21D15101a<br>(Common to CAD/CAM and PE&ED)        |
|   |  |  | Quality Engineering & Manufacturing<br>21D04103b                         |
|   |  |  | Computer Aided Process Planning<br>21D04103c                             |
| 15.04.2023<br>Saturday                                    | Computer Applications in Design<br>21D15101b                           | Computer Integrated Manufacturing<br>21D04102a                                     | Computer Applications in Design<br>21D15101b<br>(Common to PE & MD)      |
|   |  |  | Computer Aided Process Planning<br>21D04103c                             |
|   |  |  | Advanced Optimization Techniques<br>21D04201<br>(Common to PE and PE&ED) |
| 18.04.2023<br>Tuesday                                     | Advanced Mechanics of Solids<br>21D15102a                              | Design for Cellular Manufacturing System<br>21D04102b                              | Advanced Mechanics of Solids<br>21D15102a                                |
|   |  |  | Design for Cellular Manufacturing System<br>21D04102b                    |
|   |  |  | Mechanical Vibrations<br>21D15203a                                       |
| 20.04.2023<br>Thursday                                    | Tribology in Design<br>21D15102b                                       | Design of Hydraulic & Pneumatic System<br>21D04102c                                | Tribology in Design<br>21D15102b   |
|   |  |  | Design of Hydraulic & Pneumatic System<br>21D04102c                      |
|   |  |  | Geometrical Dimensioning & Tolerances<br>21D90102                        |
| Research Methodology & IPR<br>21DRM101<br>(Common to all) |  |  |  |

- NOTE: 1. Any clashes / omissions in this time-table may be brought to the notice of the under signed immediately.  
 2. If the Government declares holiday on any of the above dates, the examinations will be conducted as usual.

Date: 20.03.2023