



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA  
UNIVERSITY EXAMINATION CENTER, KAKINADA**

**M.TECH I SEMESTER (R19 REGULATION) REGULAR/SUPPLEMENTARY EXAMINATIONS, JULY/AUGUST - 2021  
(For 2019,2020 Admitted Batches Only)**

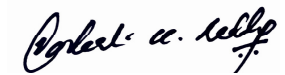
**T I M E T A B L E**

**TIME: 02:00 PM TO 05:00 PM**

<b>BRANCH &amp; SPECIALIZATION</b>	<b>27.07.2021 (Tuesday)</b>	<b>29.07.2021 (Thursday)</b>	<b>31.07.2021 (Saturday)</b>	<b>03.08.2021 (Tuesday)</b>	<b>05.08.2021 (Thursday)</b>	<b>07.08.2021 (Saturday)</b>
<b>Civil Transportation Engineering</b>  (22)	Advanced Highway Engineering (M2201)	<b>Elective-II</b> GIS for Transportation (M2206)  <b>Elective-II</b> Pavement Management System (M2207)  <b>Elective-II</b> Transportation Modeling and Simulation (M2208)	Advanced Traffic Engineering (M2202)	<b>Elective-I</b> Ground Improvement Technique (M2205)	<b>Elective-I</b> Project Management (M2204)  <b>Elective-I</b> Bridge Engineering (M2203)	Research Methodology and IPR (M0109A)
<b>Civil Structural Engineering/ Structural Design</b>  (87)/(85)	Advanced Concrete Technology (M8709)	<b>Elective-I</b> Analytical & Numerical Methods for Structural Engineering (M8704)  <b>Elective-I</b> Matrix Analysis of Structures (M8703) <b>Elective-I</b> Design of Reinforced Concrete Foundations (M8705)	Structural Dynamics (M8702)	Theory of Elasticity (M8701)	<b>Elective-II</b> Bridge Engineering (M8706)	<b>Elective-II</b> Repair and Rehabilitation of Structures (M8707)  <b>Elective-II</b> Advanced Reinforced Concrete Design (M8708)
<b>Civil Computer Aided Structural Analysis and Design</b>  (35)	Advanced Concrete Technology (M8709)	<b>Elective-I</b> Matrix Analysis of Structures (M8703)  <b>Elective-I</b> Analytical & Numerical Methods for Structural Engineering (M8704)	<b>Elective-I</b> Structural Dynamics (M8702)	Theory of Elasticity (M8701)	C++ and Data Structures (M3501)	<b>Elective-II</b> Modeling, Simulation and Computer Applications (M3502)  <b>Elective-II</b> Repair and Rehabilitation of Structures (M8707)  <b>Elective-II</b> Advanced Reinforced Concrete Design (M8708)

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<b>Civil</b> <b>Soil Mechanics &amp; Foundation Engineering / Geo-Technical Engineering</b> (19)/(20)	Soil Investigation /Soil Exploration (M2002)	Advanced Soil Mechanics (M2001)	<b>Elective-II</b> Design with Geo-synthetics (M2006)  <b>Elective-II</b> Rock Mechanics (M2007)  <b>Elective-II</b> Remote Sensing and Geographical Information Systems (M2008)	<b>Elective-I</b>  Ground Improvement Techniques (M2003)	<b>Elective-I</b> Soil- Foundation Interaction. (M2004)  <b>Elective-I</b> Critical State Soil Mechanics (M2005)	Research Methodology and IPR (M0109)
<b>Civil</b> <b>Highway Engineering</b> (23)	Highway Infrastructure Design (M2301)	----	Advanced Traffic Engineering (M2202)	<b>Elective – II</b> Advanced Concrete Technology (M2305)  <b>Elective – II</b> Remote Sensing & Global Positioning Systems (M2303)  <b>Elective – II</b> Engineering of Ground (M2304)	<b>Elective – I</b> Applied Statistics (M2302)  <b>Elective – I</b> Project Management (M2204)  <b>Elective – I</b> Bridge Engineering (M2203)	Research Methodology and IPR (M0109A)
<b>Civil</b> <b>Environmental Engineering</b> (86)	Advanced Numerical Methods and Applied Statistics (M8601)	<b>Elective – I</b> Unit Operations and Processes in Water and Wastewater Treatment (M8603)	Industrial Water and Wastewater Management (M8602)	<b>Elective – I</b> Remote Sensing and GIS Applications in Environmental Engineering (M8605)  <b>Elective – I</b> Environmental Hydrology and Hydraulics (M8604)	<b>Elective – II</b> Urban Storm water Management (M8607)  <b>Elective – II</b> Environmental Legislations and Management Systems (M8608)  <b>Elective – II</b> Environmental Chemistry and Microbiology (M8606)	Research Methodology and IPR (M0109)

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<b>CSE Computer Science (05)</b>	Advanced Data Structures (M0502)	Mathematical Foundations of Computer Science (M0501)	<b>Elective – I</b> Advanced Computer Architecture (M0503)	<b>Elective – II</b> Advanced Data Bases (M0505)  <b>Elective – II</b> Object Oriented Software Engineering (M0507)  <b>Elective – II</b> Advanced Computer Networks (M0506)	<b>Elective – I</b> Parallel Computing (M0504)  <b>Elective – I</b> Advanced Operating Systems (M5805)	Research Methodology and IPR (M0109)
<b>CSE Software Engineering (25)</b>	Advanced Data Structures (M5802)	Software Engineering (M2501)	---	<b>Elective – II</b> Internet of Things (M2506)  <b>Elective – II</b> Cloud Computing (M2505) <b>Elective – II</b> Software Quality Assurance and Testing (M2504)	<b>Elective – I</b> Software Project and Process Management (M2502)  <b>Elective – I</b> Machine Learning (M6902)  <b>Elective – I</b> E-Commerce (M2503)	Research Methodology and IPR (M0109)

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<p align="center"><b>CSE Cyber Security (26)</b></p>	<p align="center">Advanced Data Structures (M8402)</p>	<p align="center">Principles of Cyber Security (M2601)</p>	<p align="center"><b>Elective – II</b> Database and Web Application Security (M2606)</p> <p align="center"><b>Elective – II</b> Secure Software Design and Development (M2607)</p> <p align="center"><b>Elective – II</b> Wireless Network Security (M2608)</p> <p align="center"><b>Elective – II</b> Cyberspace Operations and Design (M2609)</p>	<p align="center">----</p>	<p align="center"><b>Elective – I</b> Cryptanalysis (M2602)</p> <p align="center"><b>Elective – I</b> Cyber Crime Investigation &amp; Digital Forensics (M2603)</p> <p align="center"><b>Elective – I</b> Operating System Security (M2604)</p> <p align="center"><b>Elective – I</b> Firewall and VPN Security (M2605)</p>	<p align="center">Research Methodology and IPR (M0109)</p>
<p align="center"><b>CSE Information Technology (40)</b></p>	<p align="center">Advanced Data Structures (M8402)</p>	<p align="center">Discrete Mathematical Structures (M4001)</p>	<p align="center"><b>Elective – I</b> Parallel Computer Architecture (M5911)</p> <p align="center"><b>Elective – II</b> Big Data Analytics (M5907)</p>	<p align="center"><b>Elective – I</b> Internet of Things (M5807)</p> <p align="center"><b>Elective – I</b> Optimization Techniques (M5906)</p>	<p align="center"><b>Elective – I</b> Artificial Intelligence (M5902)</p> <p align="center"><b>Elective – I</b> Service Oriented Architecture and Web Security (M4002)</p>	<p align="center"><b>Elective – II</b> Imaging and Multimedia Systems (M4005)</p> <p align="center"><b>Elective – II</b> Principles of Cryptography (M4003)</p> <p align="center"><b>Elective – II</b> Cluster and Grid Computing (M4004)</p> <p align="center"><b>Elective – II</b> Advanced Graph Theory (M4006) Research Methodology and IPR (M0109)</p>

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<b>CSE Neural Networks  (69)</b>	Advanced Data Structures (M8402)	Artificial Neural Networks (M6901)	<b>Elective – II</b> Data Warehousing and Datamining (M6905)  <b>Elective – II</b> Recommender Systems (M6906)  <b>Elective – II</b> Pattern Recognition (M6907)	----	<b>Elective – I</b> Machine Learning (M6902)  <b>Elective – I</b> Intelligent Systems (M6903)  <b>Elective – I</b> Expert Systems (M6904)	Research Methodology and IPR (M0109)
<b>CSE Computer Networks &amp; Information Security (84)</b>	Advanced Data Structures (M8402)	Transport Control Protocol/Internet Protocol (M8401)	<b>Elective – I</b> Advanced Computer Networks (M8403)	<b>Elective – I</b> Distributed Systems (M8404)	<b>Elective – I</b> Intrusion Detection & Prevention Systems (M8405)	<b>Elective – II</b> Data Storage Technologies and Networks (M8406) <b>Elective – II</b> Wireless Sensor Networks (M8407) Research Methodology and IPR (M0109) <b>Elective – II</b> Network Programming (M8408)
<b>CSE  Computer Science &amp; Technology (59)</b>	Advanced Data Structures (M8402)	Mathematical Foundations of Computer Science (M5901)	<b>Elective – II</b> Parallel Computer Architecture (M5911)  <b>Elective – II</b> Applied Cryptography (M5908) <b>Elective – II</b> Embedded Computing (M5910) <b>Elective – II</b> Big Data Analytics (M5907) <b>Elective – II</b> Advanced Computer Networks (M5909)	<b>Elective – I</b> Optimization Techniques (M5906)  <b>Elective – I</b> Cloud Computing (M5903) <b>Elective – I</b> Advanced Operating Systems (M5905)	<b>Elective – I</b> Artificial Intelligence (M5902)  <b>Elective – I</b> Digital Image Processing (M5904)	Research Methodology and IPR (M0109)

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<b>CSE</b> <b>Computer Science &amp; Engineering</b> <b>(58)</b>	Advanced Data Structures & Algorithms (M5802)	Mathematical Foundations of Computer Science (M5801)	<b>Elective – I</b> Big Data Analytics (M5803)	<b>Elective – II</b> Internet of Things (M5807) <b>Elective – II</b> Object oriented Software Engineering (M5808) <b>Elective – II</b> Advanced Computer Networks (M5806)	<b>Elective – I</b> Digital Image Processing (M5804)  <b>Elective – I</b> Advanced Operating Systems (M5805)	Research Methodology and IPR (M0109)
<b>CSE</b> <b>Computer Networks</b> <b>(94)</b>	Advanced Data Structures (M8402)	Transport Control Protocol/Internet Protocol (M8401)	<b>Elective – II</b> Grid and Cluster Computing (M9404)  <b>Elective – II</b> Wireless Networks (M9405)	<b>Elective – II</b> Distributed Systems (M8404)	<b>Elective – I</b> Software Defined Networks (M9401) <b>Elective – I</b> Network Coding Theory (M9402) <b>Elective – I</b> Adhoc & Sensor Networks (M9403)	Research Methodology and IPR (M0109)
<b>CSE</b> <b>Data Science (88)</b>	Data Predictive Analytics (M8801)	Data Science Applications with Python (M8802)	<b>Elective – II</b> Social Network and Semantic Web (M8805)  <b>Elective – II</b> Big Data Analytics (M5803)	<b>Elective – II</b> Internet of Things (M2506)	<b>Elective – I</b> Data Warehousing (M8803)  <b>Elective – I</b> Artificial Intelligence (M8804)	<b>Elective – I</b> Advanced Graph Theory (M4006)  Research Methodology and IPR (M0109)

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<b>Mechanical  Thermal Engineering (21)</b>	Computational Fluid Dynamics (M2102)	<b>Elective-I</b> Advanced Thermodynamics (M2106)	<b>Elective-II</b> Alternative Fuels Technologies (M2108) <b>Elective-II</b> Energy Conservation and management (M2109) <b>Elective-II</b> Gas Turbines (M2107) <b>Elective-II</b> Theory and Technology of Fuel Cells (M2110)	Advanced Fluid Mechanics (M2101)	<b>Elective-I</b> Advanced IC Engines, Electric and Hybrid vehicles (M2103)  <b>Elective-I</b> Cryogenic Engineering (M2105)  <b>Elective-I</b> GAS Dynamics (M2104)	Research Methodology and IPR (M0109)
<b>Mechanical  Thermal Sciences and Energy Systems (18)</b>	Computational Fluid Dynamics (M2102)	<b>Elective – I</b> Advanced Thermodynamics (M2106)	Advanced Heat Transfer (M1801)  <b>Elective – II</b> Alternative Fuel Technologies (M2108)	<b>Elective – II</b> Advanced Fluid Mechanics (M2101)  <b>Elective – II</b> Thermal Measurements and Process Controls (M1804)  <b>Elective – II</b> Gas Turbines and Jet Propulsion (M1805)	<b>Elective – I</b> Advanced IC Engine, Electric and Hybrid vehicles (M2103)  <b>Elective – I</b> Refrigeration & Cryogenics (M1802)  <b>Elective – I</b> Thermal & Nuclear Power Plants (M1803)	Research Methodology and IPR (M0109)

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<p align="center"><b>Mechanical Machine Design (15)</b></p>	<p align="center">Mechanical Vibrations and Acoustics (M1502)</p>	<p align="center">Advanced Mechanics of Solids (M1501)</p>	<p align="center"><b>Elective-I</b>  Advanced Mechanisms (M1507)</p>	<p align="center"><b>Elective-II</b> Design for Manufacturing &amp; Assembly (M1303)  <b>Elective-II</b> Robotics (M1509)  <b>Elective-II</b> Multi Body Dynamics (M1510) <b>Elective-II</b> Vision Systems and Image Processing (M1511) <b>Elective-II</b> Non- Destructive Evaluation (M1508)</p>	<p align="center"><b>Elective-I</b> Geometric Modeling (M1505)  <b>Elective-I</b> Design of Modern Vehicle Systems (M1503)  <b>Elective-I</b> Product Design (M1504)  <b>Elective-I</b> Fracture Mechanics (M1506)</p>	<p align="center">Research Methodology and IPR (M0109)</p>
<p align="center"><b>Mechanical Mechanical Engineering Design (14)</b></p>	<p align="center">Mechanical Vibrations and Acoustics (M1502)</p>	<p align="center">Advanced Mechanics of Solids (M1501)</p>	<p align="center"><b>Elective-I</b>  Advanced Mechanisms (M1507)</p>	<p align="center"><b>Elective-II</b> Non- Destructive Evaluation (M1508)  <b>Elective-II</b> Robotics (M1509)  <b>Elective-II</b> Multi Body Dynamics (M1510)  <b>Elective-II</b> Reliability Engineering (M1401) <b>Elective-II</b> Design for Manufacturing &amp; Assembly (M1303)</p>	<p align="center"><b>Elective-I</b> Design of Modern Vehicle Systems (M1503)  <b>Elective-I</b> Geometric Modeling (M1505)  <b>Elective-I</b> Product Design (M1504)  <b>Elective-I</b> Fracture Mechanics (M1506)</p>	<p align="center">Research Methodology and IPR (M0109)</p>
<p align="center"><b>Mechanical CAD/CAM (04)</b></p>	<p align="center"><b>Elective-I</b> Materials Technology (M1307)</p>	<p align="center"><b>Elective-II</b> Industrial Robotics (M0906)  <b>Elective-II</b> Mechatronics (M0905)</p>	<p align="center">Computer Aided Manufacturing (M0902)</p>	<p align="center">Geometric Modeling (M0901)</p>	<p align="center"><b>Elective-I</b> Computational Methods In Engineering (M0903)  <b>Elective-I</b> Mechanical Vibrations (M0904)</p>	<p align="center"><b>Elective-II</b> Simulation of Manufacturing Systems (M0907)  Research Methodology and IPR (M0109)</p>



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<b>Mechanical Advanced Manufacturing Systems (17)</b>	<b>Elective-II</b> Optimization and Reliability (M1306) <b>Elective-II</b> Materials Technology (M1307) <b>Elective-II</b> Precision Engineering (M1308)	Advanced Manufacturing Processes (M1701)	Automation in Manufacturing (M1301)	<b>Elective-I</b>  Design for Manufacturing and Assembly (M1303)	<b>Elective-I</b> Quality Engineering in Manufacturing (M1304) <b>Elective-I</b> Total Quality Management (M1305)	Research Methodology and IPR (M0109)
<b>Mechanical Computer Aided Design &amp; Manufacturing (09)</b>	<b>Elective-I</b> Materials Technology (M1307)	<b>Elective-II</b> Mechatronics (M0905)  <b>Elective-II</b> Industrial Robotics (M0906)  <b>Elective-II</b> Simulation of Manufacturing Systems (M0907)	Computer Aided Manufacturing (M0902)	Geometric Modeling (M0901)	<b>Elective-I</b> Computational Methods In Engineering (M0903)  <b>Elective-I</b> Mechanical Vibrations (M0904)	Research Methodology and IPR (M0109)
<b>Mechanical Advanced Manufacturing and Mechanical System Design (13)</b>	<b>Elective – II</b> Materials Technology (M1307) <b>Elective – II</b> Precision Engineering (M1308) <b>Elective – II</b> Optimization and Reliability (M1306)	Advanced Manufacturing Processes-I (M1302)	Automation in Manufacturing (M1301)	<b>Elective – I</b> Design for Manufacturing and Assembly (M1303)	<b>Elective – I</b> Quality Engineering in Manufacturing (M1304)  <b>Elective – I</b> Total Quality Management (M1305)	Research Methodology and IPR (M0109)
<b>Automobile Engineering (AA)</b>	Computational Fluid Dynamics (M2102)	Automotive Engineering (MAA01)	<b>Elective II</b> Fluid Power Systems (MAA07)  <b>Elective II</b> Design of Transmission Systems (MAA08) <b>Elective II</b> Automotive Aerodynamics (MAA09) <b>Elective-II</b> Automotive Electronics (MAA06)	<b>Elective – II</b> Advanced IC Engine, Electric and Hybrid Vehicles (M2103)	<b>Elective I</b> Combustion and Emission Control (MAA02)  <b>Elective I</b> Analysis and Synthesis of mechanisms (MAA03)  <b>Elective I</b> Computer Aided Design (MAA04)  <b>Elective I</b> Automotive Classis Design (MAA05)	Research Methodolog y and IPR (M0109)

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<b>Mechanical Computer Aided Analysis &amp; Design (16)</b>	Finite Element Analysis (M1601)	Advanced Mechanics of Solids (M1501)	----	<b>Elective II</b> Geometric Modelling (M1604)  <b>Elective II</b> Non Destructive Evaluation (M1508)	<b>Elective I</b> Mechanical Vibrations (M0904)  <b>Elective I</b> Experimental Stress Analysis (M1602)  <b>Elective I</b> Product Design (M1603)	Research Methodology and IPR (M0109)
<b>Mechanical Mining Engineering (BB)</b>	Advanced Rock Mechanics and Ground Control (MBB01)	Mine Planning and Design (MBB02)	----	<b>Elective II</b> Instrumentation In Mining (MBB06)  <b>Elective II</b> Introduction to Robotics and Application to Mining (MBB07) <b>Elective II</b> Remote Sensing & Geographical Information Systems (MBB08)	<b>Elective I</b> Ground Improvement Techniques (MBB03)  <b>Elective I</b> Tunneling and Underground Space Technology (MBB04)  <b>Elective I</b> Modern Surveying Techniques (MBB05)	Research Methodology and IPR (M0109)

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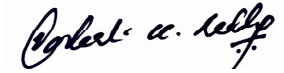
<b>BRANCH &amp; SPECIALIZATION</b>	<b>27.07.2021 (Tuesday)</b>	<b>29.07.2021 (Thursday)</b>	<b>31.07.2021 (Saturday)</b>	<b>03.08.2021 (Tuesday)</b>	<b>05.08.2021 (Thursday)</b>	<b>07.08.2021 (Saturday)</b>
<b>ECE VLSI&amp;EMBEDED SYSTEMS/ EMBEDED SYSTEM &amp; VLSI /VLSID&amp;ES/ES&amp;VLSID (68,48,77,81)</b>	Microcontrollers and Programmable Digital Signal Processors (M5502)	RTL Simulation and Synthesis with PLDs (M6801)	----	<b>Elective-II</b> Programming Languages for Embedded Systems (M5506) <b>Elective-II</b> System Design with Embedded Linux (M5507)  <b>Elective-II</b> CAD of Digital System (M5508)	<b>Elective-I</b> VLSI Signal Processing (M5505)  <b>Elective-I</b> Digital Signal and Image Processing (M5503)  <b>Elective-I</b> Parallel Processing (M5504)	Research Methodology and IPR (M0109)
<b>ECE VLSI/ VLSI Design/ VLSI System Design/VLSI &amp; Micro Electronics (57,72,61,76)</b>	----	CMOS Analog IC Design (M5701)	CMOS Digital IC Design (M5702)	<b>Elective-II</b> Device Modeling (M5706)  <b>Elective-II</b> Nano- Electronics (M5707)  <b>Elective-II</b> Photonics (M5708)	<b>Elective-I</b> VLSI Technology (M5703)  <b>Elective-I</b> Nano Materials and Nano Technology (M5704) <b>Elective-I</b> MEMS Technology (M5705)	Research Methodology and IPR (M0109)
<b>ECE Communication Engineering &amp; Signal Processing/ Communication &amp; Signal Processing (46,80)</b>	<b>Elective-II</b> Coding Theory and Applications (M4608)	<b>Elective-II</b> Digital Data Communications (M4607)  <b>Elective-II</b> Adaptive Signal Processing (M4606)	Advanced Digital Signal Processing (M4601)	Digital Image and Video processing (M4602)	<b>Elective-I</b> DSP Architectures (M4603)  <b>Elective-I</b> Cognitive Radio (M4605)  <b>Elective-I</b> Statistical Signal Processing (M4604)	Research Methodology and IPR (M0109)

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ECE Embedded Systems (55)	Microcontrollers and Programmable Digital Signal Processors (M5502)	Embedded System Design (M5501)	----	<b>Elective-II</b> Programming Languages for Embedded Systems (M5506)  <b>Elective-II</b> System Design with Embedded Linux (M5507)  <b>Elective-II</b> CAD of Digital System (M5508)	<b>Elective-I</b> VLSI Signal Processing (M5505) <b>Elective-I</b> Digital Signal and Image Processing (M5503)  <b>Elective-I</b> Parallel Processing (M5504)	Research Methodology and IPR (M0109)
ECE Digital Systems & Computer Electronics (DSCE) (06)	VLSI Technology and Design (M3703)	Digital Data Communications (M4607)	<b>Elective-II</b> Software Defined Radio (M0603)	<b>Elective-II</b> Network Security and Cryptography (M4707)  <b>Elective-II</b> Image and Video Processing (M4602)	<b>Elective-I</b> Wireless Communications and Networks (M0601)  <b>Elective-I</b> Digital System Design (M3701)  <b>Elective-I</b> Internet Protocols (M0602)	Research Methodology and IPR (M0109)
ECE Digital Electronics & Communication Engineering/Digital Electronics And Communication Systems/Electronics & Communication Engineering (37,38,70)	<b>Elective-I</b> VLSI Technology and Design (M3703)	Digital Data Communications (M4607)	<b>Elective-I</b> Radar Signal Processing (M4702)  <b>Elective-I</b> Transform Techniques (M3702)	<b>Elective-II</b> Statistical Signal Processing (M3704)  <b>Elective-II</b> Network Security and Cryptography (M4707)  <b>Elective-II</b> Optical Communication Technology (M3705)	Digital System Design (M3701)	Research Methodology and IPR (M0109)
ECE Communication Systems (47)	---	Digital Data Communications (M4607)	<b>Elective-I</b> Radar Signal Processing (M4702)  <b>Elective-I</b> RF Circuit Design (M4703)  <b>Elective-I</b> Advanced Computer Networks (M4704)	<b>Elective-II</b> Network Security and Cryptography (M4707)  <b>Elective-II</b> Mobile Computing Technologies (M4706)  <b>Elective-II</b> Wireless LANs & PANS (M4705)	Advanced Digital Signal Processing (M4701)	Research Methodology and IPR (M0109)

<b>BRANCH &amp; SPECIALIZATION</b>	<b>27.07.2021 (Tuesday)</b>	<b>29.07.2021 (Thursday)</b>	<b>31.07.2021 (Saturday)</b>	<b>03.08.2021 (Tuesday)</b>	<b>05.08.2021 (Thursday)</b>	<b>07.08.2021 (Saturday)</b>
<b>ECE System &amp; Signal Processing/Digital Image Processing (45,63)</b>	<b>Elective-II Coding Theory and Applications (M4608)</b>	<b>Elective-II Adaptive Signal Processing (M4606)</b>  <b>Elective-II Computer Vision (M4501)</b>	<b>Advanced Digital Signal Processing (M4601)</b>	<b>Digital Image and Video Processing (M4602)</b>	<b>Elective-I Statistical Signal Processing (M4604)</b>  <b>Elective-I DSP Architectures (M4603)</b>  <b>Elective-I Cognitive Radio (M4605)</b>	<b>Research Methodology and IPR (M0109)</b>

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**Date: 13-07-2021**



**Controller of Examinations**



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA  
UNIVERSITY EXAMINATION CENTER, KAKINADA**

**M.TECH I SEMESTER (R19 REGULATION) REGULAR/SUPPLEMENTARY EXAMINATIONS, JULY/AUGUST – 2021  
(For 2019,2020 Admitted Batches Only)**

**T I M E T A B L E**

**TIME: 02:00 PM TO 05:00 PM**

<b>BRANCH &amp; SPECIALIZATION</b>	<b>27.07.2021 (Tuesday)</b>	<b>29.07.2021 (Thursday)</b>	<b>31.07.2021 (Saturday)</b>	<b>03.08.2021 (Tuesday)</b>	<b>05.08.2021 (Thursday)</b>	<b>07.08.2021 (Saturday)</b>
<b>EEE</b> <b>Power Systems/ Power System Control and Automation/ Power System Engineering/ PS &amp;C/ Advanced Power Systems/ Electrical Power Engineering/Power Systems/ Electrical Power Systems/Power Systems and Automation</b> <b>(56,53,30,31,50,60,65,66)</b>	Analysis of Power Electronics Converter <b>(M4302)</b>	<b>Elective-II</b> HVDC Transmission <b>(M6204)</b>  <b>Elective-II</b> Power System Reliability <b>(M5602)</b>	<b>Elective-I</b> Renewable Energy Technologies <b>(M4306)</b>  <b>Elective-I</b> Electrical Distribution Automation <b>(M9904)</b>  <b>Elective-I</b> Power System Deregulation <b>(M5601)</b>	Power System Operation and Control <b>(M9901)</b>	----	<b>Elective-II</b> Advanced Power Systems Protection <b>(M9905)</b>  Research Methodology and IPR <b>(M0109)</b>
<b>EEE</b> <b>Power Electronics/ Power and Industrial Drives/ Power Electronics and Electrical Drives/ Power Electronics and Drives/ Electrical Machines and Drives/Power Electronics &amp; Systems</b> <b>(43,42,54,52,44,12)</b>	Analysis of Power Electronic Converters <b>(M4302)</b>	<b>Elective-II</b> Artificial Intelligence Techniques <b>(M6203)</b>  <b>Elective-II</b> HVDC Transmission and Flexible AC Transmission Systems <b>(M4307)</b>	<b>Elective-II</b> Renewable Energy Technologies <b>(M4306)</b>	Electrical Machines Modeling & Analysis <b>(M4301)</b>	<b>Elective-I</b> Programmable Logic Controllers and Applications <b>(M4305)</b>  <b>Elective-I</b> Power Quality and Custom Power Devices <b>(M4304)</b>  <b>Elective-I</b> Modern Control Theory <b>(M4303)</b>	Research Methodology & IPR <b>(M0109)</b>
<b>EEE</b> <b>Power Electronics &amp; Power Systems</b> <b>(99)</b>	Analysis of Power Electronic Converters <b>(M4302)</b>	<b>Elective-II</b> HVDC Transmission <b>(M6204)</b>  <b>Elective-II</b> Advanced Power System Protection <b>(M9905)</b>	<b>Elective-II</b> Electrical Distribution Automation <b>(M9904)</b>	Power System Operation & Control <b>(M9901)</b>	<b>Elective-I</b> Power Quality <b>(M4304)</b>  <b>Elective-I</b> Control & Integration of Renewable Energy Systems <b>(M9902)</b>  <b>Elective-I</b> Advanced Digital Signal Processing <b>(M9903)</b>	Research Methodology and IPR <b>(M0109)</b>

BRANCH & SPECIALIZATION	27.07.2021 (Tuesday)	29.07.2021 (Thursday)	31.07.2021 (Saturday)	03.08.2021 (Tuesday)	05.08.2021 (Thursday)	07.08.2021 (Saturday)
<b>EEE</b> <b>High Voltage Engineering/ Power Systems with Emphasis on High Voltage Engineering (62,29)</b>	Dielectric and Insulation Engineering (M6202)	<b>Elective-I</b> Artificial Intelligence Techniques (M6203)  <b>Elective-I</b> HVDC Transmission (M6204)	<b>Elective-II</b> High Voltage Power Apparatus and Diagnostics (M6206)  <b>Elective-II</b> Collision Phenomena in Plasma Science (M6207)  <b>Elective-II</b> Advanced Electro Magnetic Fields (M6208)	Generation & Measurement of High Voltages (M6201)	<b>Elective-I</b> Breakdown Phenomenon in Electrical Insulation (M6205)	Research Methodology and IPR (M0109)
<b>EEE</b> <b>Control Systems/Control Engineering (95,28)</b>	Advanced Control Theory (M9501)	Advanced Digital Control Systems (M9502)	<b>Elective-II</b> Stochastic Estimation and Control (M9508)  <b>Elective-II</b> Micro controllers and Applications (M9507)	<b>Elective-II</b> Optimization Techniques (M9506)	<b>Elective-I</b> System and Parameter Identification (M9505)  <b>Elective-I</b> Computer Controlled Systems (M9503)  <b>Elective-I</b> Control of Special Machines (M9504)	Research Methodology and IPR (M0109)
<b>EEE High Voltage Power Systems Engineering (64)</b>	Dielectric and Insulation Engineering (M6202)	<b>Elective-I</b> HVDC Transmission (M6204)  <b>Elective-I</b> Artificial Intelligence Techniques (M6203)	<b>Elective-II</b> High Voltage Power Apparatus and Diagnostics (M6206)  <b>Elective-II</b> Collision Phenomena in Plasma Science (M6207)  <b>Elective-II</b> Advanced Electro Magnetic Fields (M6208)	Generation & Measurement of High Voltages (M6201)	<b>Elective-I</b> Breakdown Phenomenon in Electrical Insulation (M6205)	Research Methodology and IPR (M0109)

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**M.TECH I SEMESTER (R19 REGULATION) REGULAR/SUPPLEMENTARY EXAMINATIONS, JULY/AUGUST – 2021**  
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<b>Petroleum Engineering (08)</b>	<b>Elective-I</b> Advanced Numerical Methods and Applied Statistics ( <b>M0805</b> )  <b>Elective-I</b> Coal Bed Methane Engineering & Shale Gas Engineering ( <b>M0806</b> )	Fundamentals of Petroleum Geology and Reservoir Engineering ( <b>M0802</b> )  <b>Elective-II</b> Transportation of Oil and Gas ( <b>M0807</b> )  <b>Elective-II</b> Advanced Well Logging techniques & Well Testing Analysis ( <b>M0808</b> )	Reservoir Stimulation ( <b>M0803</b> )	Petroleum well Drilling and Production Engineering ( <b>M0804</b> )	Offshore Drilling ( <b>M0801</b> )	Research Methodology and IPR ( <b>M0109A</b> )

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