JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

M.TECH ISEMESTER (R19 REGULATION) II MIDEXAMINATIONS, FEBRUARY - 2023

T I M E T A B L E

TIME: 10:00AM TO 12:00 NOON

BRANCH & SPECIALIZATION	20-02-2023 (Monday)	21-02-2023 (Tuesday)	22-02-2023 (Wednesday)	23-02-2023 (Thursday)	24-02-2023 (Friday)
Civil Transportation Engineering **(22)**	Advanced Highway Engineering **(M2201)**	Advanced Traffic Engineering **(M2202)**	**Elective-I** Bridge Engineering **(M2203)** **Elective-I** Project Management **(M2204)** **Elective-I** Ground Improvement Technique **(M2205)**	**Elective-II** GIS for Transportation **(M2206)** **Elective-II** Pavement Management System **(M2207)** **Elective-II** Transportation Modeling and Simulation **(M2208)**	Research Methodology and IPR (**M0109**)
Civil Structural Engineering/Structural Design **(87)**	Theory of Elasticity **(M8701)**	Structural Dynamics **(M8702)**	**Elective-I** Matrix Analysis of Structures **(M8703)** **Elective-I** Analytical & Numerical Methods for Structural Engineering **(M8704)** **Elective-I** Design of RCC Foundations **(M8705)**	**Elective-II** Bridge Engineering **(M8706)** **Elective-II** Repair and Rehabilitation Structures **(M8707)** **Elective-II** Advanced Reinforced Concrete Design **(M8708)**	Advanced Concrete Technology (**M8709**)

BRANCH & SPECIALIZATION	20-02-2023 (Monday)	21-02-2023 (Tuesday)	22-02-2023 (Wednesday)	23-02-2023 (Thursday)	24-02-2023 (Friday)
Civil **Soil Mechanics & Foundation Engineering / Geo-Technical Engineering (19)/(20)**	Advanced Soil Mechanics **(M2001)**	Soil Investigation/Soil Exploration **(M2002)**	**Elective-I** Ground Improvement Techniques **(M2003)** **Elective-I** Soil-Foundation Interaction. **(M2004)** **Elective-I** Critical State Soil Mechanics **(M2005)**	**Elective-II** Design with Geo-synthetics **(M2006)** **Elective-II** Rock Mechanics **(M2007)** **Elective-II** Remote Sensing and Geographical Information System **(M2008)**	Research Methodology and IPR **(M0109)**
Civil **Highway Engineering** **(23)**	Highway Infrastructure Design **(M2301)**	Advanced Traffic Engineering **(M2202)**	**Elective – I** Applied Statistics **(M2302)** **Elective – I** Project Management **(M2204)** **Elective – I** Bridge Engineering **(M2203)**	**Elective – II** Remote Sensing & Global Positioning Systems **(M2303)** **Elective – II** Engineering of Ground **(M2304)** **Elective – II** Advanced Concrete Technology **(M2305)**	Research Methodology and IPR **(M0109)**

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Date: 08-02-2023

Controller of Examinations (PG)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

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M.TECH I SEMESTER (R19 REGULATION) II MID EXAMINATIONS, FEBRUARY– 2023

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TIME: 10:00 AM TO 12:00 NOON

BRANCH & SPECIALIZATION	20-02-2023 (Monday)	21-02-2023 (Tuesday)	22-02-2023 (Wednesday)	23-02-2023 (Thursday)	24-02-2023 (Friday)
CSE Computer Science (05)	Mathematical Foundations of Computer Science (**M0501**)	Advanced Data Structures (**M0502**)	**Elective – I** Advanced Operating Systems (**M5805**) **Elective – I** Advanced Computer Architecture (**M0503**) **Elective – I** Parallel Computing(**M0504**)	**Elective – II** Advanced Data Bases (**M0505**) **Elective – II** Advanced Computer Networks(**M0506**) **Elective – II** Object Oriented Software Engineering (**M0507**)	Research Methodology and IPR (**M0109**)
CSE Software Engineering (25)	Software Engineering (**M2501**)	Advanced Data Structures (**M5802**)	**Elective – I** Software Project and Process Management (**M2502**) **Elective – I** Machine Learning(**M6902**) **Elective – I** E-Commerce(**M2503**)	**Elective – II** Software Quality Assurance and Testing (**M2504**) **Elective – II** Cloud Computing (**M2505**) **Elective – II** Internet of Things(**M2506**)	Research Methodology and IPR (**M0109**)
CSE Cyber Security (26)	Principles of Cyber Security (**M2601**)	Advanced Data Structures (**M8402**)	**Elective – I** Cryptanalysis(**M2602**) **Elective – I** Cyber Crime Investigation & Digital Forensics (**M2603**) **Elective – I** Operating System Security(**M2604**) **Elective – I** Firewall and VPN Security (**M2605**)	**Elective – II** Database and Web Application Security (**M2606**) **Elective – II** Secure Software Design and Development (**M2607**) **Elective – II** Wireless Network Security(**M2608**) **Elective – II** Cyberspace Operations and Design (**M2609**)	Research Methodology and IPR (**M0109**)

BRANCH & SPECIALIZATION	20-02-2023 (Monday)	21-02-2023 (Tuesday)	22-02-2023 (Wednesday)	23-02-2023 (Thursday)	24-02-2023 (Friday)
CSE Information Technology (40)	Discrete Mathematical Structures (**M4001**)	Advanced Data Structures (**M8402**)	Elective – I Parallel Computer Architecture (**M5911**) Elective – I Optimization Technique (**M5906**) Elective – I Artificial Intelligence (**M5902**) Elective – I Service Oriented Architecture and Web Security (**M4002**) Elective – I Internet of Things (**M5807**)	Elective – II Imaging and Multimedia Systems (**M4005**) Elective – II Big Data Analytics(**M5907**) Elective – II Principles of Cryptography(**M4003**) Elective – II Cluster and Grid Computing(**M4004**) Elective – II Advanced Graph Theory(**M4006**)	Research Methodology and IPR (**M0109**)
CSE Neural Networks (69)	Artificial Neural Networks (**M6901**)	Advanced Data Structures (**M8402**)	Elective – I Machine Learning (**M6902**) Elective – I Intelligent Systems (**M6903**) Elective – I Expert Systems (**M6904**)	Elective – II Data Warehousing and Datamining (**M6905**) Elective – II Recommender Systems (**M6906**) Elective – II Pattern Recognition (**M6907**)	Research Methodology and IPR (**M0109**)
CSE Computer Networks & Information Security (84)	Transport Control Protocol/Internet Protocol (**M8401**)	Advanced Data Structures (**M8402**)	Elective – I Advanced Computer Networks (**M8403**) Elective – I Distributed Systems (**M8404**) Elective – I Intrusion Detection & Prevention Systems(**M8405**)	Elective – II Data Storage Technologies and Networks (**M8406**) Elective – II Wireless Sensor Networks (**M8407**) Elective – II Network Programming(**M8408**)	Research Methodology and IPR (**M0109**)

BRANCH & SPECIALIZATION	20-02-2023 (Monday)	21-02-2023 (Tuesday)	22-02-2023 (Wednesday)	23-02-2023 (Thursday)	24-02-2023 (Friday)
CSE Computer Science & Technology (59)	Mathematical Foundations of Computer Science (**M5901**)	Advanced Data Structures (**M8402**)	**Elective – I** Artificial Intelligence (**M5902**) **Elective – I** Cloud Computing (**M5903**) **Elective – I** Digital Image Processing (**M5904**) **Elective – I** Advanced Operating Systems (**M5905**) **Elective – I** Optimization Techniques (**M5906**)	**Elective – II** Big Data Analytics (**M5907**) **Elective – II** Applied Cryptography (**M5908**) **Elective – II** Advanced Computer Networks (**M5909**) **Elective – II** Embedded Computing (**M5910**) **Elective – II** Parallel Computer Architecture (**M5911**)	Research Methodology and IPR (**M0109**)
CSE Computer Science & Engineering (58)	Mathematical Foundations of Computer Science (**M5801**)	Advanced Data Structures & Algorithms (**M5802**)	**Elective – I** Big Data Analytics (**M5803**) **Elective – I** Digital Image Processing (**M5804**) **Elective – I** Advanced Operating Systems (**M5805**)	**Elective – II** Advanced Computer Networks (**M5806**) **Elective – II** Internet of Things (**M5807**) **Elective – II** Object oriented Software Engineering (**M5808**)	Research Methodology and IPR (**M0109**)
CSE Computer Networks (88)	Transport Control Protocol/Internet Protocol (**M8401**)	Advanced Data Structures (**M8402**)	**Elective – I** Software Defined Networks (**M8801**) **Elective – I** Network Coding Theory (**M8802**) **Elective – I** Adhoc& Sensor Networks (**M8803**)	**Elective – II** Distributed Systems (**M8404**) **Elective – II** Grid and Cluster Computing (**M8804**) **Elective – II** Wireless Networks (**M8805**)	Research Methodology and IPR (**M0109**)

BRANCH & SPECIALIZATION	20-02-2023 (Monday)	21-02-2023 (Tuesday)	22-02-2023 (Wednesday)	23-02-2023 (Thursday)	24-02-2023 (Friday)
CSE Data Science	Data Predictive Analytics	Data Science Applications with Python	**Elective – I** Advanced Graph Theory (**M4006**) **Elective – I** Data Warehousing **Elective – I** Artificial Intelligence	**Elective – II** Internet of Things (**M2506**) **Elective – II** Social Network and Semantic Web **Elective – II** Big Data Analytics (**M5803**)	Research Methodology and IPR (**M0109**)

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TIME: 10:00 AM TO 12:00 NOON

BRANCH & SPECIALIZATION	20-02-2023 (Monday)	21-02-2023 (Tuesday)	22-02-2023 (Wednesday)	23-02-2023 (Thursday)	24-02-2023 (Friday)
Mechanical **Thermal Engineering (21)**	Advanced Fluid Mechanics (**M2101**)	Computational Fluid Dynamics (**M2102**)	**Elective-I** Advanced IC Engines, Electric and Hybrid vehicles **Elective-I** Cryogenic Engineering(**M2105**) **Elective-I** Advanced Thermodynamics (**M2106**) **Elective-I** GAS Dynamics (**M2104**)	(**M2103**) **Elective-II** Energy Conservation and management(**M2109**) **Elective-II** Gas Turbines(**M2107**) **Elective-II** Alternative Fuels Technologies(**M2108**) **Elective-II** Theory and Technology of Fuel Cells (**M2110**)	Research Methodology and IPR (**M0109**)
Mechanical **Thermal Sciences and Energy Systems (18)**	Advanced Heat Transfer (**M1801**)	Computational Fluid Dynamics (**M2102**)	**Elective – I** Advanced Thermodynamics (**M2106**) **Elective – I** Advanced IC Engine, Electric and Hybrid vehicles (**M2103**) **Elective – I** Refrigeration & Cryogenics(**M1802**) **Elective – I** Thermal & Nuclear Power Plants (**M1803**)	**Elective – II** Advanced Fluid Mechanics(**M2101**) **Elective – II** Thermal Measurements and Process Controls(**M1804**) **Elective – II** Gas Turbines and Jet Propulsion(**M1805**) **Elective – II** Alternative Fuel Technologies(**M2108**)	Research Methodology and IPR (**M0109**)

BRANCH & SPECIALIZATION	20-02-2023 (Monday)	21-02-2023 (Tuesday)	22-02-2023 (Wednesday)	23-02-2023 (Thursday)	24-02-2023 (Friday)
Mechanical **Machine Design/Mechanical Engineering Design** **(15)/(14)**	Advanced Mechanics of Solids (**M1501**)	Mechanical Vibrations and Acoustics (**M1502**)	**Elective-I** Design of Modern Vehicle Systems (**M1503**) **Elective-I** Product Design (**M1504**) **Elective-I** Geometric Modeling(**M1505**) **Elective-I** Fracture Mechanics (**M1506**) **Elective-I** Advanced Mechanisms(**M1507**)	**Elective-II** Non-Destructive Evaluation(**M1508**) **Elective-II** Robotics(**M1509**) **Elective-II** Vision Systems and Image Processing(**M1511**) **Elective-II** Reliability Engineering (**M1401**) **Elective-II** Design for Manufacturing & Assembly (**M1303**) **Elective-II** Multi Body Dynamics (**M1510**)	Research Methodology and IPR (**M0109**)
Mechanical **CAD/CAM** **(04)**	Geometric Modeling (**M0901**)	Computer Aided Manufacturing (**M0902**)	**Elective-I** Materials Technology (**M1307**) **Elective-I** Computational Methods In Engineering(**M0903**) **Elective-I** Mechanical Vibrations (**M0904**)	**Elective-II** Mechatronics(**M0905**) **Elective-II** Simulation of Manufacturing Systems (**M0907**) **Elective-II** Industrial Robotics(**M0906**)	Research Methodology and IPR (**M0109**)
Mechanical **Advanced Manufacturing Systems** **(17)**	Automation in Manufacturing (**M1301**)	Advanced Manufacturing Process (**M1701**)	**Elective-I** Design for Manufacturing and Assembly(**M1303**) **Elective-I** Quality Engineering in Manufacturing(**M1304**) **Elective-I** Total Quality Management (**M1305**)	**Elective-II** Optimization and Reliability (**M1306**) **Elective-II** Materials Technology(**M1307**) **Elective-II** Precision Engineering (**M1308**)	Research Methodology and IPR (**M0109**)

BRANCH & SPECIALIZATION	20-02-2023 (Monday)	21-02-2023 (Tuesday)	22-02-2023 (Wednesday)	23-02-2023 (Thursday)	24-02-2023 (Friday)
Computer Aided Design & Manufacturing (09)	Geometric Modeling **(M0901)**	Computer Aided Manufacturing **(M0902)**	**Elective-I** Computational Methods In Engineering**(M0903)** **Elective-I** Mechanical Vibrations**(M0904)** **Elective-I** Materials Technology**(M1307)**	**Elective-II** Mechatronics**(M0905)** **Elective-II** Simulation of Manufacturig Systems **(M0907)** **Elective-II** Industrial Robotics**(M0906)**	Research Methodology and IPR (**M0109**)
Mechanical **Advanced Manufacturing and Mechanical System Design (13)**	Automation in Manufacturing **(M1301)**	Advanced Manufacturing Processes-I **(M1302)**	**Elective – I** Design for Manufacturing and Assembly**(M1303)** **Elective – I** Quality Engineering in Manufacturing**(M1304)** **Elective – I** Total Quality Management**(M1305)**	**Elective – II** Optimization and Reliability**(M1306)** Materials Technology**(M1307)** Precision Engineering**(M1308)**	Research Methodology and IPR (**M0109**)
Automobile Engineering **(AA)**	Automotive Engineering **(MAA01)**	Computational Fluid Dynamics **(M2102)**	**Elective I** Combustion and Emission Control **(MAA02)** **Elective I** Analysis of Synthesis of mechanisms **(MAA03)** **Elective I** Computer Aided Design**(MAA04)** **Elective I** Automotive Classis Design**(MAA05)**	**Elective II** Fluid Power Systems**(MAA07)** **Elective II** Design of Transmission Systems **(MAA08)** **Elective II** Automotive Aerodynamics**(MAA09)** **Elective – II** Advanced IC Engine, Electric and Hybrid Vehicles (**M2103**) **Elective II** Automotive Electronics**(MAA06)**	Research Methodology and IPR (**M0109**)

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M.TECH I SEMESTER (R19 REGULATION) II MID EXAMINATIONS, FEBRUARY– 2023
T I M E   T A B L E

TIME: 10:00 AM TO 12:00 NOON

BRANCH & SPECIALIZATION	20-02-2023 (Monday)	21-02-2023 (Tuesday)	22-02-2023 (Wednesday)	23-02-2023 (Thursday)	24-02-2023 (Friday)
Mechanical **Computer Aided Analysis & Design (16)**	Advanced Mechanics of Solids (**M1501**)	Finite Element Analysis (**M1601**)	**Elective I** Mechanical Vibrations (**M0904**) **Elective I** Experimental Stress Analysis (**M1602**) **Elective I** Product Design (**M1603**)	**Elective II** Non Destructive Evaluation (**M1508**) **Elective II** Geometric Modelling (**M1604**) **Elective II** Computational Methods in Engineering (**M0903**)	Research Methodology and IPR (**M0109**)
Mechanical **Mining Engineering (BB)**	Advanced Rock Mechanics and Ground Control (**MBB01**)	Mine Planning and Design (**MBB02**)	**Elective I** Ground Improvement Techniques (**MBB03**) **Elective I** Tunneling and Underground Space Technology (**MBB04**) **Elective I** Modern Surveying Techniques (**MBB05**)	**Elective II** Instrumentation In Mining (**MBB06**) **Elective II** Introduction to Robotics and Application to Mining (**MBB07**) **Elective II** Remote Sensing & Geographical Information Systems (**MBB08**)	Research Methodology and IPR (**M0109**)

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M.TECH I SEMESTER (R19 REGULATION) II MID EXAMINATIONS, FEBRUARY– 2023

T I M E   T A B L E

TIME: 10:00 AM TO 12:00 NOON

BRANCH & SPECIALIZATION	20-02-2023 (Monday)	21-02-2023 (Tuesday)	22-02-2023 (Wednesday)	23-02-2023 (Thursday)	24-02-2023 (Friday)
ECE **VLSI&EMBEDED SYSTEMS/ EMBEDED SYSTEMS & VLSI /VLSID&ES/ES&VLSID** **(68,48,77,81)**	Microcontrollers and Programmable Digital Signal Processors **(M5502)**	RTL Simulation and Synthesis with PLDs **(M6801)**	**Elective-I** VLSISignal Processing**(M5505)** **Elective-I** Digital Signal Image Processing **(M5503)** **Elective-I** Parallel Processing **(M5504)**	**Elective-II** Programming Languages for Embedded Systems **(M5506)** **Elective-II** System Design with Embedded Linux **(M5507)** **Elective-II** CAD of Digital System **(M5508)**	Research Methodology and IPR **(M0109)**
ECE **VLSI/ VLSI Design/ VLSI System Design/ VLSI & Micro Electronics (57,72,61,76)**	CMOS Analog IC Design **(M5701)**	CMOS Digital IC Design**(M5702)**	**Elective-I** VLSI Technology**(M5703)** **Elective-I** Nano Materials and Nano Technology**(M5704)** **Elective-I** MEMS Technology**(M5705)**	**Elective-II** Device Modeling**(M5706)** **Elective-II** Nano- Electronics **(M5707)** **Elective-II** Photonics **(M5708)**	Research Methodology and IPR **(M0109)**
ECE Communication Engineering & Signal Processing/ Communication & Signal Processing (46,80)	Digital Image and Video processing **(M4602)**	Advanced Digital Signal Processing **(M4601)**	**Elective-I** DSP Architectures**(M4603)** **Elective-I** Statistical Signal Processing **(M4604)** **Elective-I** Cognitive Radio**(M4605)**	**Elective-II** Adaptive Signal Processing **(M4606)** **Elective-II** Digital Data Communications **(M4607)** **Elective-II** Coding Theory and Applications **(M4608)**	Research Methodology and IPR **(M0109)**

BRANCH & SPECIALIZATION	20-02-2023 (Monday)	21-02-2023 (Tuesday)	22-02-2023 (Wednesday)	23-02-2023 (Thursday)	24-02-2023 (Friday)
ECE **Embedded Systems** **(55)**	Microcontrollers and Programmable Digital Signal Processors **(M5502)**	Embedded System Design **(M5501)**	**Elective-I** VLSISignal Processing**(M5505)** **Elective-I** Digital Signal Image Processing **(M5503)** **Elective-I** Parallel Processing **(M5504)**	**Elective-II** Programming Languages for Embedded Systems**(M5506)** **Elective-II** System Design with Embedded Linux **(M5507)** **Elective-II** CAD of Digital System**(M5508)**	Research Methodology and IPR (**M0109**)
ECE **Digital Systems & Computer Electronics (DSCE)** **(06)**	VLSI Technology and Design **(M3703)**	Digital Data Communications **(M4607)**	**Elective-I** Wireless Communications and Networks **(M0601)** **Elective-I** Digital System Design**(M3701)** **Elective-I** Internet Protocols**(M0602)**	**Elective-II** Image and Video Processing **(M4602)** **Elective-II** Software Defined Radio **(I0603)** **Elective-II** Network Security and Cryptography **(M4707)**	Research Methodology and IPR (**M0109**)
ECE **Digital Electronics & Communication Engineering/Digital Electronics And Communication Systems/ Electronics & Communication Engineering** **(37,38,70)**	Digital Data Communications **(M4607)**	Digital System Design **(M3701)**	**Elective-I** Transform Techniques **(M3702)** **Elective-I** VLSI Technology and Design **(M3703)** **Elective-I** Radar Signal Processing **(M4702)**	**Elective-II** Statistical Signal Processing **(M3704)** **Elective-II** Network Security and Cryptography **(M4707)** **Elective-II** Optical Communication Technology **(M3705)**	Research Methodology and IPR (**M0109**)
ECE **Communication Systems** **(47)**	Digital Data Communications **(M4607)**	Advanced Digital Signal Processing **(M4701)**	**Elective-I** Radar Signal Processing **(M4702)** **Elective-I** RF Circuit Design**(M4703)** **Elective-I** Advanced Computer Networks **(M4704)**	**Elective-II** Wireless LANs & PANS **(M4705)** **Elective-II** Mobile Computing Technologies**(M4706)** **Elective-II** Network Security and Cryptography **(M4707)**	Research Methodology and IPR (**M0109**)

BRANCH & SPECIALIZATION	20-02-2023 (Monday)	21-02-2023 (Tuesday)	22-02-2023 (Wednesday)	23-02-2023 (Thursday)	24-02-2023 (Friday)
ECE **System Signal Processing/Digital Image Processing (45,63)**	Advanced Digital Signal Processing **(M4601)**	Digital Image and Video Processing **(M4602)**	**Elective-I** DSP Architectures **(M4603)** **Elective-I** Statistical Signal Processing **(M4604)** **Elective-I** Cognitive Radio **(M4605)**	**Elective-II** Adaptive Signal Processing **(M4606)** **Elective-II** Coding Theory and Applications **(M4608)** **Elective-II** Computer Vision **(M4501)**	Research Methodology and IPR **(M0109)**

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
UNIVERSITY EXAMINATION CENTER, KAKINADA
M.TECH I SEMESTER (R19 REGULATION) II MID EXAMINATIONS, FEBRUARY - 2023

TIME TABLE

TIME: 10:00 AM TO 12:00 NOON

BRANCH & SPECIALIZATION	26-12-2022 (Monday)	27-12-2022 (Tuesday)	28-12-2022 (Wednesday)	29-12-2022 (Thursday)	30-12-2022 (Friday)
EEE **Power Systems/ Power System Control and Automation/ Electrical Power Engineering/Electrical Power Systems/Power System Engineering/PS &C/Advanced Power System (50)/Power Engineering & Energy Systems** **(56,53,50,60,65,30,31)**	Analysis of Power Electronics Converters **(M4302)**	Power System Operation and Control **(M9901)**	**Elective-I** Electrical Distribution Automation **(M9904)** **Elective-I** Power System Deregulation **(M5601)** **Elective-I** Renewable Energy Technologies **(M4306)**	**Elective-II** Advanced Power Systems Protection **(M9905)** **Elective-II** Power System Reliability **(M5602)** **Elective-II** HVDC Transmission **(M6204)**	Research Methodology and IPR (**M0109**)
EEE **Power Electronics/ Power and Industrial Drives/ Power Electronics and Electrical Drives/ Power Electronics and Drives/ Electrical Machines and Drives/Power Electronics & Systems** **(43,42,54,52,44,12)**	Analysis of Power Electronic Converters **(M4302)**	Electrical Machines Modeling & Analysis **(M4301)**	**Elective-I** Power Quality and Custom Power Devices**(M4304)** **Elective-I** Programmable Logic Controllers and Applications**(M4305)** **Elective-I** Modern Control Theory**(M4303)**	**Elective-II** Renewable Energy Technologies **(M4306)** **Elective-II** HVDC Transmission and Flexible AC Transmission Systems **(M4307)** **Elective-II** Artificial Intelligence Techniques **(M6203)**	Research Methodology and IPR (**M0109**)

BRANCH & SPECIALIZATION	20-02-2023 (Monday)	21-02-2023 (Tuesday)	22-02-2023 (Wednesday)	23-02-2023 (Thursday)	24-02-2023 (Friday)
EEE **Power Electronics & Power Systems** **(99)**	Analysis of Power Electronic Converters **(M4302)**	Power System Operation & Control **(M9901)**	**Elective-I** Power Quality**(M4304)** **Elective-I** Control & Integration of Renewable Energy Systems **(M9902)** **Elective-I** Advanced Digital Signal Processing**(M9903)**	**Elective-II** Electrical Distribution Automation **(M9904)** **Elective-II** Advanced Power Systems Protection **(M9905)** **Elective-II** HVDC Transmission **(M6204)**	Research Methodology and IPR (**M0109**)
EEE **High Voltage Engineering/ Power Systems with Emphasis on High Voltage Engineering (62,29)**	Dielectric and Insulation Engineering **(M6202)**	Generation & Measurement of High Voltages **(M6201)**	**Elective-I** Breakdown Phenomenon in Electrical Insulation **(M6205)** **Elective-I** HVDC Transmission **(M6204)** **Elective-I** Artificial Intelligence Techniques **(M6203)**	**Elective-II** High Voltage Power Apparatus and Diagnostics **(M6206)** **Elective-II** Collision Phenomena in Plasma Science **(M6206)** **Elective-II** Advanced Electro Magnetic Fields **(M6208)**	Research Methodology and IPR (**M0109**)
EEE **Control Systems/Control Engineering** **(95,28)**	Advanced Control Theory **(M9501)**	Advanced Digital Control Systems **(M9502)**	**Elective-I** System and Parameter Identification**(M9505)** **Elective-I** Computer Controlled Systems **(M9503)** **Elective-I** Control of Special Machices **(M9504)**	**Elective-II** Stochastic Estimation and Control **(M9508)** **Elective-II** Optimization Techniques **(M9506)** **Elective-II** Micro controllers and Applications **(M9507)**	Research Methodology and IPR (**M0109**)

BRANCH & SPECIALIZATION	20-02-2023 (Monday)	21-02-2023 (Tuesday)	22-02-2023 (Wednesday)	23-02-2023 (Thursday)	24-02-2023 (Friday)
EEE High Voltage Power Systems Engineering (64)	Dielectric and Insulation Engineering **(M6202)**	Generation & Measurement of High Voltages **(M6201)**	**Elective-I** Breakdown Phenomenon in Electrical Insulation **(M6205)** **Elective-I** HVDC Transmission **(M6204)** **Elective-I** Artificial Intelligence Techniques **(M6203)**	**Elective-II** High Voltage Power Apparatus and Diagnostics**(M6206)** **Elective-II** Collision Phenomena in Plasma Science **(M6206)** **Elective-II** Advanced Electro Magnetic Fields **(M6208)**	Research Methodology and IPR **(M0109)**

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M.TECH I SEMESTER (R19 REGULATION) I MID EXAMINATIONS, DECEMBER - 2022

T I M E   T A B L E

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BRANCH & SPECIALIZATION	26-12-2022 (Monday)	27-12-2022 (Tuesday)	28-12-2022 (Wednesday)	29-12-2022 (Thursday)	30-12-2022 (Friday)
Civil Transportation Engineering (22)	Advanced Highway Engineering (M2201)	Advanced Traffic Engineering (M2202)	**Elective-I** Bridge Engineering (M2203) **Elective-I** Project Management (M2204) **Elective-I** Ground Improvement Technique (M2205)	**Elective-II** GIS for Transportation (M2206) **Elective-II** Pavement Management System (M2207) **Elective-II** Transportation Modeling and Simulation (M2208)	Research Methodology and IPR (M0109)
Civil Structural Engineering/Structural Design (87)	Theory of Elasticity (M8701)	Structural Dynamics (M8702)	**Elective-I** Matrix Analysis of Structures (M8703) **Elective-I** Analytical & Numerical Methods for Structural Engineering (M8704) **Elective-I** Design of RCC Foundations (M8705)	**Elective-II** Bridge Engineering (M8706) **Elective-II** Repair and Rehabilitation Structures (M8707) **Elective-II** Advanced Reinforced Concrete Design (M8708)	Advanced Concrete Technology (M8709)

BRANCH & SPECIALIZATION	26-12-2022 (Monday)	27-12-2022 (Tuesday)	28-12-2022 (Wednesday)	29-12-2022 (Thursday)	30-12-2022 (Friday)
Civil **Soil Mechanics & Foundation Engineering / Geo-Technical Engineering (19)/(20)**	Advanced Soil Mechanics **(M2001)**	Soil Investigation/Soil Exploration **(M2002)**	**Elective-I** Ground Improvement Techniques **(M2003)** **Elective-I** Soil-Foundation Interaction. **(M2004)** **Elective-I** Critical State Soil Mechanics **(M2005)**	**Elective-II** Design with Geo-synthetics **(M2006)** **Elective-II** Rock Mechanics **(M2007)** **Elective-II** Remote Sensing and Geographical Information System **(M2008)**	Research Methodology and IPR **(M0109)**
Civil **Highway Engineering** **(23)**	Highway Infrastructure Design **(M2301)**	Advanced Traffic Engineering **(M2202)**	**Elective – I** Applied Statistics **(M2302)** **Elective – I** Project Management **(M2204)** **Elective – I** Bridge Engineering **(M2203)**	**Elective – II** Remote Sensing & Global Positioning Systems **(M2303)** **Elective – II** Engineering of Ground **(M2304)** **Elective – II** Advanced Concrete Technology **(M2305)**	Research Methodology and IPR **(M0109)**

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Date: 14-12-2022

Controller of Examinations (PG)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
UNIVERSITY EXAMINATION CENTER, KAKINADA
M.TECH I SEMESTER (R19 REGULATION) I MID EXAMINATIONS, DECEMBER– 2022
T I M E   T A B L E

TIME: 10:00 AM TO 12:00 NOON

BRANCH & SPECIALIZATION	26-12-2022 (Monday)	27-12-2022 (Tuesday)	28-12-2022 (Wednesday)	29-12-2022 (Thursday)	30-12-2022 (Friday)
CSE Computer Science (05)	Mathematical Foundations of Computer Science (**M0501**)	Advanced Data Structures (**M0502**)	**Elective – I** Advanced Operating Systems (**M5805**) **Elective – I** Advanced Computer Architecture (**M0503**) **Elective – I** Parallel Computing(**M0504**)	**Elective – II** Advanced Data Bases (**M0505**) **Elective – II** Advanced Computer Networks(**M0506**) **Elective – II** Object Oriented Software Engineering (**M0507**)	Research Methodology and IPR (**M0109**)
CSE Software Engineering (25)	Software Engineering (**M2501**)	Advanced Data Structures (**M5802**)	**Elective – I** Software Project and Process Management (**M2502**) **Elective – I** Machine Learning(**M6902**) **Elective – I** E-Commerce(**M2503**)	**Elective – II** Software Quality Assurance and Testing (**M2504**) **Elective – II** Cloud Computing (**M2505**) **Elective – II** Internet of Things(**M2506**)	Research Methodology and IPR (**M0109**)
CSE Cyber Security (26)	Principles of Cyber Security (**M2601**)	Advanced Data Structures (**M8402**)	**Elective – I** Cryptanalysis(**M2602**) **Elective – I** Cyber Crime Investigation & Digital Forensics (**M2603**) **Elective – I** Operating System Security(**M2604**) **Elective – I** Firewall and VPN Security (**M2605**)	**Elective – II** Database and Web Application Security (**M2606**) **Elective – II** Secure Software Design and Development (**M2607**) **Elective – II** Wireless Network Security(**M2608**) **Elective – II** Cyberspace Operations and Design (**M2609**)	Research Methodology and IPR (**M0109**)

BRANCH & SPECIALIZATION	26-12-2022 (Monday)	27-12-2022 (Tuesday)	28-12-2022 (Wednesday)	29-12-2022 (Thursday)	30-12-2022 (Friday)
CSE Information Technology (40)	Discrete Mathematical Structures **(M4001)**	Advanced Data Structures **(M8402)**	**Elective – I** Parallel Computer Architecture **(M5911)** **Elective – I** Optimization Technique **(M5906)** **Elective – I** Artificial Intelligence **(M5902)** **Elective – I** Service Oriented Architecture and Web Security **(M4002)** **Elective – I** Internet of Things **(M5807)**	**Elective – II** Imaging and Multimedia Systems **(M4005)** **Elective – II** Big Data Analytics**(M5907)** **Elective – II** Principles of Cryptography**(M4003)** **Elective – II** Cluster and Grid Computing**(M4004)** **Elective – II** Advanced Graph Theory**(M4006)**	Research Methodology and IPR **(M0109)**
CSE Neural Networks (69)	Artificial Neural Networks **(M6901)**	Advanced Data Structures **(M8402)**	**Elective – I** Machine Learning **(M6902)** **Elective – I** Intelligent Systems **(M6903)** **Elective – I** Expert Systems **(M6904)**	**Elective – II** Data Warehousing and Datamining **(M6905)** **Elective – II** Recommender Systems **(M6906)** **Elective – II** Pattern Recognition **(M6907)**	Research Methodology and IPR **(M0109)**
CSE Computer Networks & Information Security (84)	Transport Control Protocol/Internet Protocol **(M8401)**	Advanced Data Structures **(M8402)**	**Elective – I** Advanced Computer Networks **(M8403)** **Elective – I** Distributed Systems **(M8404)** **Elective – I** Intrusion Detection & Prevention Systems**(M8405)**	**Elective – II** Data Storage Technologies and Networks **(M8406)** **Elective – II** Wireless Sensor Networks **(M8407)** **Elective – II** Network Programming**(M8408)**	Research Methodology and IPR **(M0109)**

BRANCH & SPECIALIZATION	26-12-2022 (Monday)	27-12-2022 (Tuesday)	28-12-2022 (Wednesday)	29-12-2022 (Thursday)	30-12-2022 (Friday)
CSE Computer Science & Technology (59)	Mathematical Foundations of Computer Science (**M5901**)	Advanced Data Structures (**M8402**)	**Elective – I** Artificial Intelligence (**M5902**) **Elective – I** Cloud Computing (**M5903**) **Elective – I** Digital Image Processing (**M5904**) **Elective – I** Advanced Operating Systems (**M5905**) **Elective – I** Optimization Techniques (**M5906**)	**Elective – II** Big Data Analytics (**M5907**) **Elective – II** Applied Cryptography (**M5908**) **Elective – II** Advanced Computer Networks (**M5909**) **Elective – II** Embedded Computing (**M5910**) **Elective – II** Parallel Computer Architecture (**M5911**)	Research Methodology and IPR (**M0109**)
CSE Computer Science & Engineering (58)	Mathematical Foundations of Computer Science (**M5801**)	Advanced Data Structures & Algorithms (**M5802**)	**Elective – I** Big Data Analytics (**M5803**) **Elective – I** Digital Image Processing (**M5804**) **Elective – I** Advanced Operating Systems (**M5805**)	**Elective – II** Advanced Computer Networks (**M5806**) **Elective – II** Internet of Things (**M5807**) **Elective – II** Object oriented Software Engineering (**M5808**)	Research Methodology and IPR (**M0109**)
CSE Computer Networks (88)	Transport Control Protocol/Internet Protocol (**M8401**)	Advanced Data Structures (**M8402**)	**Elective – I** Software Defined Networks (**M8801**) **Elective – I** Network Coding Theory (**M8802**) **Elective – I** Adhoc & Sensor Networks (**M8803**)	**Elective – II** Distributed Systems (**M8404**) **Elective – II** Grid and Cluster Computing (**M8804**) **Elective – II** Wireless Networks (**M8805**)	Research Methodology and IPR (**M0109**)

BRANCH & SPECIALIZATION	26-12-2022 (Monday)	27-12-2022 (Tuesday)	28-12-2022 (Wednesday)	29-12-2022 (Thursday)	30-12-2022 (Friday)
CSE Data Science	Data Predictive Analytics	Data Science Applications with Python	**Elective – I** Advanced Graph Theory (**M4006**) **Elective – I** Data Warehousing **Elective – I** Artificial Intelligence	**Elective – II** Internet of Things (**M2506**) **Elective – II** Social Network and Semantic Web **Elective – II** Big Data Analytics (**M5803**)	Research Methodology and IPR (**M0109**)

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M.TECH I SEMESTER (R19 REGULATION) I MID EXAMINATIONS, DECEMBER - 2022

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TIME: 10:00 AM TO 12:00 NOON

BRANCH & SPECIALIZATION	26-12-2022 (Monday)	27-12-2022 (Tuesday)	28-12-2022 (Wednesday)	29-12-2022 (Thursday)	30-12-2022 (Friday)
Mechanical **Thermal Engineering** **(21)**	Advanced Fluid Mechanics **(M2101)**	Computational Fluid Dynamics **(M2102)**	**Elective-I** Advanced IC Engines, Electric and Hybrid vehicles **Elective-I** Cryogenic Engineering**(M2105)** **Elective-I** Advanced Thermodynamics **(M2106)** **Elective-I** GAS Dynamics **(M2104)**	**(M2103)** **Elective-II** Energy Conservation and management**(M2109)** **Elective-II** Gas Turbines**(M2107)** **Elective-II** Alternative Fuels Technologies**(M2108)** **Elective-II** Theory and Technology of Fuel Cells **(M2110)**	Research Methodology and IPR **(M0109)**
Mechanical **Thermal Sciences and Energy Systems** **(18)**	Advanced Heat Transfer **(M1801)**	Computational Fluid Dynamics **(M2102)**	**Elective – I** Advanced Thermodynamics **(M2106)** **Elective – I** Advanced IC Engine, Electric and Hybrid vehicles **(M2103)** **Elective – I** Refrigeration & Cryogenics**(M1802)** **Elective – I** Thermal & Nuclear Power Plants **(M1803)**	**Elective – II** Advanced Fluid Mechanics**(M2101)** **Elective – II** Thermal Measurements and Process Controls**(M1804)** **Elective – II** Gas Turbines and Jet Propulsion**(M1805)** **Elective – II** Alternative Fuel Technologies**(M2108)**	Research Methodology and IPR **(M0109)**

BRANCH & SPECIALIZATION	26-12-2022 (Monday)	27-12-2022 (Tuesday)	28-12-2022 (Wednesday)	29-12-2022 (Thursday)	30-12-2022 (Friday)
Mechanical **Machine Design/Mechanical Engineering Design** **(15)/(14)**	Advanced Mechanics of Solids **(M1501)**	Mechanical Vibrations and Acoustics **(M1502)**	**Elective-I** Design of Modern Vehicle Systems **(M1503)** **Elective-I** Product Design **(M1504)** **Elective-I** Geometric Modeling**(M1505)** **Elective-I** Fracture Mechanics **(M1506)** **Elective-I** Advanced Mechanisms**(M1507)**	**Elective-II** Non-Destructive Evaluation**(M1508)** **Elective-II** Robotics**(M1509)** **Elective-II** Vision Systems and Image Processing**(M1511)** **Elective-II** Reliability Engineering **(M1401)** **Elective-II** Design for Manufacturing & Assembly **(M1303)** **Elective-II** Multi Body Dynamics **(M1510)**	Research Methodology and IPR **(M0109)**
Mechanical **CAD/CAM** **(04)**	Geometric Modeling **(M0901)**	Computer Aided Manufacturing **(M0902)**	**Elective-I** Materials Technology **(M1307)** **Elective-I** Computational Methods In Engineering**(M0903)** **Elective-I** Mechanical Vibrations **(M0904)**	**Elective-II** Mechatronics**(M0905)** **Elective-II** Simulation of Manufacturing Systems **(M0907)** **Elective-II** Industrial Robotics**(M0906)**	Research Methodology and IPR **(M0109)**
Mechanical **Advanced Manufacturing Systems** **(17)**	Automation in Manufacturing **(M1301)**	Advanced Manufacturing Process **(M1701)**	**Elective-I** Design for Manufacturing and Assembly**(M1303)** **Elective-I** Quality Engineering in Manufacturing**(M1304)** **Elective-I** Total Quality Management **(M1305)**	**Elective-II** Optimization and Reliability **(M1306)** **Elective-II** Materials Technology**(M1307)** **Elective-II** Precision Engineering **(M1308)**	Research Methodology and IPR **(M0109)**

BRANCH & SPECIALIZATION	26-12-2022 (Monday)	27-12-2022 (Tuesday)	28-12-2022 (Wednesday)	29-12-2022 (Thursday)	30-12-2022 (Friday)
Computer Aided Design & Manufacturing (09)	Geometric Modeling **(M0901)**	Computer Aided Manufacturing **(M0902)**	**Elective-I** Computational Methods In Engineering**(M0903)** **Elective-I** Mechanical Vibrations**(M0904)** **Elective-I** Materials Technology**(M1307)**	**Elective-II** Mechatronics**(M0905)** **Elective-II** Simulation of Manufacturing Systems **(M0907)** **Elective-II** Industrial Robotics**(M0906)**	Research Methodology and IPR (**M0109**)
Mechanical **Advanced Manufacturing and Mechanical System Design (13)**	Automation in Manufacturing **(M1301)**	Advanced Manufacturing Processes-I **(M1302)**	**Elective – I** Design for Manufacturing and Assembly**(M1303)** **Elective – I** Quality Engineering in Manufacturing**(M1304)** **Elective – I** Total Quality Management**(M1305)**	**Elective – II** Optimization and Reliability**(M1306)** Materials Technology**(M1307)** Precision Engineering**(M1308)**	Research Methodology and IPR (**M0109**)
Automobile Engineering **(AA)**	Automotive Engineering **(MAA01)**	Computational Fluid Dynamics **(M2102)**	**Elective I** Combustion and Emission Control **(MAA02)** **Elective I** Analysis of Synthesis of mechanisms **(MAA03)** **Elective I** Computer Aided Design**(MAA04)** **Elective I** Automotive Classis Design**(MAA05)**	**Elective II** Fluid Power Systems**(MAA07)** **Elective II** Design of Transmission Systems **(MAA08)** **Elective II** Automotive Aerodynamics**(MAA09)** **Elective – II** Advanced IC Engine, Electric and Hybrid Vehicles (**M2103**) **Elective II** Automotive Electronics**(MAA06)**	Research Methodology and IPR (**M0109**)

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T I M E   T A B L E

TIME: 10:00 AM TO 12:00 NOON

BRANCH & SPECIALIZATION	26-12-2022 (Monday)	27-12-2022 (Tuesday)	28-12-2022 (Wednesday)	29-12-2022 (Thursday)	30-12-2022 (Friday)
Mechanical **Computer Aided Analysis & Design (16)**	Advanced Mechanics of Solids (**M1501**)	Finite Element Analysis (**M1601**)	**Elective I** Mechanical Vibrations (**M0904**) **Elective I** Experimental Stress Analysis (**M1602**) **Elective I** Product Design (**M1603**)	**Elective II** Non Destructive Evaluation (**M1508**) **Elective II** Geometric Modelling (**M1604**) **Elective II** Computational Methods in Engineering (**M0903**)	Research Methodology and IPR (**M0109**)
Mechanical **Mining Engineering (BB)**	Advanced Rock Mechanics and Ground Control (**MBB01**)	Mine Planning and Design (**MBB02**)	**Elective I** Ground Improvement Techniques (**MBB03**) **Elective I** Tunneling and Underground Space Technology (**MBB04**) **Elective I** Modern Surveying Techniques (**MBB05**)	**Elective II** Instrumentation In Mining (**MBB06**) **Elective II** Introduction to Robotics and Application to Mining (**MBB07**) **Elective II** Remote Sensing & Geographical Information Systems (**MBB08**)	Research Methodology and IPR (**M0109**)

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T I M E   T A B L E

TIME: 10:00 AM TO 12:00 NOON

BRANCH & SPECIALIZATION	26-12-2022 (Monday)	27-12-2022 (Tuesday)	28-12-2022 (Wednesday)	29-12-2022 (Thursday)	30-12-2022 (Friday)
ECE **VLSI&EMBEDED SYSTEMS/ EMBEDED SYSTEMS & VLSI /VLSID&ES/ES&VLSID (68,48,77,81)**	Microcontrollers and Programmable Digital Signal Processors (**M5502**)	RTL Simulation and Synthesis with PLDs (**M6801**)	**Elective-I** VLSISignal Processing(**M5505**) **Elective-I** Digital Signal Image Processing (**M5503**) **Elective-I** Parallel Processing (**M5504**)	**Elective-II** Programming Languages for Embedded Systems (**M5506**) **Elective-II** System Design with Embedded Linux (**M5507**) **Elective-II** CAD of Digital System (**M5508**)	Research Methodology and IPR (**M0109**)
ECE **VLSI/ VLSI Design/ VLSI System Design/ VLSI & Micro Electronics (57,72,61,76)**	CMOS Analog IC Design (**M5701**)	CMOS Digital IC Design(**M5702**)	**Elective-I** VLSI Technology(**M5703**) **Elective-I** Nano Materials and Nano Technology(**M5704**) **Elective-I** MEMS Technology(**M5705**)	**Elective-II** Device Modeling(**M5706**) **Elective-II** Nano- Electronics (**M5707**) **Elective-II** Photonics (**M5708**)	Research Methodology and IPR (**M0109**)
ECE Communication Engineering & Signal Processing/ Communication & Signal Processing (46,80)	Digital Image and Video processing (**M4602**)	Advanced Digital Signal Processing (**M4601**)	**Elective-I** DSP Architectures(**M4603**) **Elective-I** Statistical Signal Processing (**M4604**) **Elective-I** Cognitive Radio(**M4605**)	**Elective-II** Adaptive Signal Processing (**M4606**) **Elective-II** Digital Data Communications (**M4607**) **Elective-II** Coding Theory and Applications (**M4608**)	Research Methodology and IPR (**M0109**)

BRANCH & SPECIALIZATION	26-12-2022 (Monday)	27-12-2022 (Tuesday)	28-12-2022 (Wednesday)	29-12-2022 (Thursday)	30-12-2022 (Friday)
ECE **Embedded Systems** **(55)**	Microcontrollers and Programmable Digital Signal Processors **(M5502)**	Embedded System Design (**M5501**)	**Elective-I** VLSISignal Processing(**M5505**) **Elective-I** Digital Signal Image Processing **(M5503)** **Elective-I** Parallel Processing (**M5504**)	**Elective-II** Programming Languages for Embedded Systems(**M5506**) **Elective-II** System Design with Embedded Linux **(M5507)** **Elective-II** CAD of Digital System(**M5508**)	Research Methodology and IPR (**M0109**)
ECE **Digital Systems & Computer Electronics (DSCE)** **(06)**	VLSI Technology and Design **(M3703)**	Digital Data Communications **(M4607)**	**Elective-I** Wireless Communications and Networks **(M0601)** **Elective-I** Digital System Design(**M3701**) **Elective-I** Internet Protocols(**M0602**)	**Elective-II** Image and Video Processing (**M4602**) **Elective-II** Software Defined Radio (**I0603**) **Elective-II** Network Security and Cryptography (**M4707**)	Research Methodology and IPR (**M0109**)
ECE **Digital Electronics & Communication Engineering/Digital Electronics And Communication Systems/ Electronics & Communication Engineering** **(37,38,70)**	Digital Data Communications **(M4607)**	Digital System Design **(M3701)**	**Elective-I** Transform Techniques **(M3702)** **Elective-I** VLSI Technology and Design **(M3703)** **Elective-I** Radar Signal Processing **(M4702)**	**Elective-II** Statistical Signal Processing (**M3704**) **Elective-II** Network Security and Cryptography **(M4707)** **Elective-II** Optical Communication Technology **(M3705)**	Research Methodology and IPR (**M0109**)
ECE **Communication Systems** **(47)**	Digital Data Communications **(M4607)**	Advanced Digital Signal Processing **(M4701)**	**Elective-I** Radar Signal Processing **(M4702)** **Elective-I** RF Circuit Design(**M4703**) **Elective-I** Advanced Computer Networks **(M4704)**	**Elective-II** Wireless LANs & PANS **(M4705)** **Elective-II** Mobile Computing Technologies(**M4706**) **Elective-II** Network Security and Cryptography **(M4707)**	Research Methodology and IPR (**M0109**)

BRANCH & SPECIALIZATION	26-12-2022 (Monday)	27-12-2022 (Tuesday)	28-12-2022 (Wednesday)	29-12-2022 (Thursday)	30-12-2022 (Friday)
ECE **System Signal Processing/Digital Image Processing (45,63)**	Advanced Digital Signal Processing **(M4601)**	Digital Image and Video Processing **(M4602)**	**Elective-I** DSP Architectures **(M4603)** **Elective-I** Statistical Signal Processing **(M4604)** **Elective-I** Cognitive Radio **(M4605)**	**Elective-II** Adaptive Signal Processing **(M4606)** **Elective-II** Coding Theory and Applications **(M4608)** **Elective-II** Computer Vision **(M4501)**	Research Methodology and IPR **(M0109)**

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BRANCH & SPECIALIZATION	26-12-2022 (Monday)	27-12-2022 (Tuesday)	28-12-2022 (Wednesday)	29-12-2022 (Thursday)	30-12-2022 (Friday)
EEE **Power Systems/ Power System Control and Automation/ Electrical Power Engineering/Electrical Power Systems/Power System Engineering/PS &C/Advanced Power System (50)/Power Engineering & Energy Systems** **(56,53,50,60,65,30,31)**	Analysis of Power Electronics Converters **(M4302)**	Power System Operation and Control **(M9901)**	**Elective-I** Electrical Distribution Automation **(M9904)** **Elective-I** Power System Deregulation **(M5601)** **Elective-I** Renewable Energy Technologies **(M4306)**	**Elective-II** Advanced Power Systems Protection **(M9905)** **Elective-II** Power System Reliability **(M5602)** **Elective-II** HVDC Transmission **(M6204)**	Research Methodology and IPR **(M0109)**
EEE **Power Electronics/ Power and Industrial Drives/ Power Electronics and Electrical Drives/ Power Electronics and Drives/ Electrical Machines and Drives/Power Electronics & Systems** **(43,42,54,52,44,12)**	Analysis of Power Electronic Converters **(M4302)**	Electrical Machines Modeling & Analysis **(M4301)**	**Elective-I** Power Quality and Custom Power Devices**(M4304)** **Elective-I** Programmable Logic Controllers and Applications**(M4305)** **Elective-I** Modern Control Theory**(M4303)**	**Elective-II** Renewable Energy Technologies **(M4306)** **Elective-II** HVDC Transmission and Flexible AC Transmission Systems **(M4307)** **Elective-II** Artificial Intelligence Techniques **(M6203)**	Research Methodology and IPR **(M0109)**

BRANCH & SPECIALIZATION	26-12-2022 (Monday)	27-12-2022 (Tuesday)	28-12-2022 (Wednesday)	29-12-2022 (Thursday)	30-12-2022 (Friday)
EEE **Power Electronics & Power Systems** **(99)**	Analysis of Power Electronic Converters **(M4302)**	Power System Operation & Control **(M9901)**	**Elective-I** Power Quality**(M4304)** **Elective-I** Control & Integration of Renewable Energy Systems **(M9902)** **Elective-I** Advanced Digital Signal Processing**(M9903)**	**Elective-II** Electrical Distribution Automation **(M9904)** **Elective-II** Advanced Power Systems Protection **(M9905)** **Elective-II** HVDC Transmission **(M6204)**	Research Methodology and IPR (**M0109**)
EEE **High Voltage Engineering/ Power Systems with Emphasis on High Voltage Engineering (62,29)**	Dielectric and Insulation Engineering **(M6202)**	Generation & Measurement of High Voltages **(M6201)**	**Elective-I** Breakdown Phenomenon in Electrical Insulation (**M6205**) **Elective-I** HVDC Transmission (**M6204**) **Elective-I** Artificial Intelligence Techniques (**M6203**)	**Elective-II** High Voltage Power Apparatus and Diagnostics **(M6206)** **Elective-II** Collision Phenomena in Plasma Science **(M6206)** **Elective-II** Advanced Electro Magnetic Fields **(M6208)**	Research Methodology and IPR (**M0109**)
EEE **Control Systems/Control Engineering** **(95,28)**	Advanced Control Theory **(M9501)**	Advanced Digital Control Systems **(M9502)**	**Elective-I** System and Parameter Identification**(M9505)** **Elective-I** Computer Controlled Systems **(M9503)** **Elective-I** Control of Special Machines **(M9504)**	**Elective-II** Stochastic Estimation and Control **(M9508)** **Elective-II** Optimization Techniques **(M9506)** **Elective-II** Micro controllers and Applications **(M9507)**	Research Methodology and IPR (**M0109**)

BRANCH & SPECIALIZATION	26-12-2022 (Monday)	27-12-2022 (Tuesday)	28-12-2022 (Wednesday)	29-12-2022 (Thursday)	30-12-2022 (Friday)
EEE High Voltage Power Systems Engineering (64)	Dielectric and Insulation Engineering **(M6202)**	Generation & Measurement of High Voltages **(M6201)**	**Elective-I** Breakdown Phenomenon in Electrical Insulation **(M6205)** **Elective-I** HVDC Transmission **(M6204)** **Elective-I** Artificial Intelligence Techniques **(M6203)**	**Elective-II** High Voltage Power Apparatus and Diagnostics**(M6206)** **Elective-II** Collision Phenomena in Plasma Science **(M6206)** **Elective-II** Advanced Electro Magnetic Fields **(M6208)**	Research Methodology and IPR **(M0109)**

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