



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

M.TECH II SEMESTER IST (R19 REGULATION) REGULAR/SUPPLEMENTARY EXAMINATIONS, SEPTEMBER – 2022
(FOR 2019, 2020 & 2021 ADMITTED BATCHES)

TIME TABLE

TIME: 10:00 AM TO 01:00 PM

BRANCH & SPECIALIZATION	20-09-2022 (Tuesday)	22-09-2022 (Thursday)	24-09-2022 (Saturday)	26-09-2022 (Monday)
Avionics (97)	Flight Control Systems (N9701)	Aircraft Navigation Systems (N9702)	Elective III Avionics Embedded Systems (N9703) Elective III Avionics Network Technology (N9704) Elective III Multi Sensor Data Fusion (N9705)	Elective IV Aircraft Utility Systems (N9706) Elective IV Flying Robotics (N9707) Elective IV Missile And Space Vehicle Guidance And Control (N9708)
Environmental Engineering And Management (01)	Air and Noise Pollution Control (N0101)	Solid and Hazardous Waste Management (N0102)	Elective III Environmental Impact Assessment (N0103) Elective III Green Technologies (N0104) Elective III Environmental System Analysis (N0105)	Elective IV Disaster Management (N0106) Elective IV Occupational and Environmental Health (N0107) Elective IV Air Quality Modelling and Management (N0108)



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Renewable Energy (02)	Instrumentation for Energy Systems (N0201)	Energy Auditing and Demand Side Management (N0202)	Elective III Energy Storage Technologies (N0203) Elective III Smart Grid Systems and Technologies (N0204) Elective III Integration of Renewable Energy Sources (N0205)	Elective IV Solar Refrigeration and Air-conditioning (N0206) Elective IV Evolutionary Algorithms and Applications (N0207) Elective IV Hydrogen and Fuel Cells (N0208)
Bio-Technology (03)	Molecular Biology & Genetic Engineering (N0301)	Systems Biology (N0302)	Elective III Advances in Bioinformatics (N0303) Elective III Advancements in Bioreactor Design (N0304) Elective III Agriculture Biotechnology (N0305)	Elective IV Membrane Biology & Signal Transduction (N0306) Elective IV Biofuels & Bioenergy (N0307) Elective IV Advanced Biostatistics (N0308)



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Remote Sensing (33)	RS & GIS Applications in Earth Sciences (N3301)	Satellite Image Processing (N3302)	Elective III Global Navigational Satellite System (N3303) Elective III Geospatial Data Processing and Modeling (N3304) Elective III Climate Systems (N3305)	Elective IV Advanced Remote Sensing (N3306) Elective IV Web & Mobile GIS (N3307) Elective IV Geo-Spatial applications for Coastal Zone Management (N3308)
Nanotechnology (96)	Nano Material Characterization Techniques (N9601)	Nano Sensors and its Applications (N9602)	Elective III Biomedical Nanotechnology (N9603) Elective III Nano Composites and Applications (N9604) Elective III Computational Nanotechnology (N9605)	Elective IV Nanoscale Magnetic Materials and Devices (N9606) Elective IV MEMS and NEMS (N9607) Elective IV Multifunctional Nanomaterials (N9608)

- NOTE: (i) If Government declares holiday on any of the above dates, the examinations will be conducted as usual
(ii) Any omissions or clashes in this Time Table may please be informed to the Controller of Examinations immediately.
(iii) The Principals are requested to inform the University, if any other substitute subjects that are not included in the above time table immediately

Date: 07-09-2022

Controller of Examinations



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
UNIVERSITY EXAMINATION CENTER, KAKINADA

M.TECH II SEMESTER (R16) SUPPLEMENTARY EXAMINATIONS, SEPTEMBER - 2022
(2018 ADMITTED BATCH)

TIME TABLE

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BRANCHES AND SPECIALIZATIONS	20-09-2022 (Tuesday)	22-09-2022 (Thursday)	24-09-2022 (Saturday)	26-09-2022 (Monday)	28-09-2022 (Wednesday)	30-09-2022 (Friday)
CIVIL Structural Engineering/ Structural Design (87/85)	Earthquake Resistant Design (J8702)	Elective – IV Industrial Structures (J8708) Bridge Engineering (J8709) Elective – IV Earth Retaining Structures (J8710)	Stability of Structures (J8703)	Theory of Plates & Shells (J8704)	Elective – III Pre-stressed Concrete (J8705) Mechanics of Composite Materials, (J8706) Fracture Mechanics (J8707)	Finite Element Method (J8701)
CIVIL Transportation Engineering (22)	Transportation Economics & Project Appraisal (J2201)	Transportation Systems Management (J2204)	Land Use & Regional Transportation Planning (J2203)	Traffic Flow Analysis (J2202)	Elective – III Pavement Construction & Evaluation (J2205) Environmental Impact Assessment (J2206)	Elective – IV Intelligent Transportation Systems (J2207) Ground Improvement Techniques (J2208)
CIVIL Geo Informatics (74)	Digital Image Processing (J7402)	Digital Photogrammetry (J7401)	Internet GIS (J7403)	Geodesy & GNSS (J7404)	Spatial Decision Support Systems (J7405)	Elective – III Disaster Management (J7406) Data Warehousing & Data Mining (J7407) Advanced Surveying & Cartography (J7408) Remote Sensing and GIS Applications in Environment (J7409) Geo-Statistical Methods (J7410)

BRANCHES AND SPECIALIZATIONS	20-09-2022 (Tuesday)	22-09-2022 (Thursday)	24-09-2022 (Saturday)	26-09-2022 (Monday)	28-09-2022 (Wednesday)	30-09-2022 (Friday)
CIVIL Soil Mechanics & Foundation Engineering/ Geotechnical Engineering (19 / 20)	Elective – III Pavement Analysis, Design and Evaluation (J1904)	Earth Retaining Structures (J8710)	Soil Dynamics & Machine Foundations (J1902)	Construction in Expansive Soils (J1903)	Elective – III Construction Planning & Methods (J1905) Geotechnical Earth Quake Engineering (J1906)	Elective – IV Geo- Environmental Engineering (J1907) Numerical Methods in Geotechnical Engineering (J1908) Finite Element Method (J8701)
CIVIL High Way Engineering (23)	Highway Project Formulation and Economics (J2301)	Pavement Construction Maintenance and Management (J2302)	Pavement Analysis and Design (J2303)	Traffic Analysis (J2304)	Elective – III Road Safety Engineering (J2305) Land use and Transportation Modeling (J2306) Transportation System Management (J2307)	Elective – IV Environmental Impact Assessment for Transportation (J2308) GIS Applications in Transportation Engineering (J2309) Optimization Techniques (J2310)
CIVIL Computer Aided Structural Engineering (35)	Elective – III Analysis of Shells and Folded Plates (J3504) Reliability Based Engineering Design (J3505) Earthquake Resistant Structures (J8702)	Structural Dynamics (J3501)	Artificial Neural Networks (J3502)	CAD & Computer applications in Structural Engineering (J3503)	Elective – IV Management Information Systems (J3506) Fracture Mechanics (J8707) Advanced Concrete Technology (J3508)	Finite Element Analysis (J8701)

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- iii) THE PRINCIPALS ARE REQUESTED TO INFORM THE UNIVERSITY ANY OTHER SPECIALIZATIONS SUBJECTS THAT ARE NOT INCLUDED IN THE ABOVE TIME TABLE IMMEDIATELY.

Pradeep K. Saha

Controller of Examinations

Date: 07-09-2022



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EEE Power Systems, Power System Control & Automation, Electrical Power Engineering, Power Systems Engineering, Power System & Control, Advanced Power Systems, Power Engineering & Energy Systems, Electrical Power Systems (56/53/60/50/65)	Elective – IV High Voltage Testing Techniques (J5610)	Flexible AC Transmission Systems (J5602)	Elective – III Power System Reliability (J5607) Power System Dynamics & Stability (J5601)	Advanced Power System Protection (J5604) Elective – III Voltage Stability (J5608)	Elective – IV Power System Deregulation (J5609), Power System Transients (J5611) Demand Side Energy Management (J5612)	Elective – III Smart Grid Technologies (J5605) Power Quality (J5606) Real Time Control of Power Systems (J5603)
EEE Power Electronics, Power & Industrial Drives, Power Electronics & Electrical Drives, Power Electronics & Drives, Electrical Machines & Drives (43/42/54/52/44)	Switched Mode Power Conversion (J4301)	Custom Power Devices (J4304)	Digital Controllers (J4303)	Power Electronic Control of AC Drives (J4302)	Elective – III Renewable Energy System (J4305) Electrical Distribution Systems (J4307)	Elective – IV Smart Grid Technologies (J5605) Special Machines (J4308) Programmable Logic Controllers & Applications (J4309)

BRANCHES AND SPECIALIZATIONS	20-09-2022 (Tuesday)	22-09-2022 (Thursday)	24-09-2022 (Saturday)	26-09-2022 (Monday)	28-09-2022 (Wednesday)	30-09-2022 (Friday)
EEE Power Electronics & Power Systems (99)	Switched Mode Power Conversion (J4301)	Custom Power Devices (J4304) Flexible AC Transmission Systems (J5602)	Elective – III Power System Reliability (J5607)	Advanced Power System Protection (J5604) Elective–III Voltage Stability (J5608)	Elective – III Power System Deregulation (J5609)	Elective – IV Smart Grid Technologies (J5605) Programmable Logic Controllers & Applications (J4309) Energy Auditing, Conservation & Management (J9901)
EEE High Voltage Engineering, Power Systems with Emphasis on High Voltage Engineering (62/64)	High Voltage Testing Techniques (J5610)	EHVAC Transmission (J6201) Elective – IV Flexible AC Transmission Systems (J5602)	Surge Phenomenon & Insulation Coordination (J6202)	Advanced Power System Protection (J5604)	Elective – IV Power System Deregulation (J5609)	Elective – III Partial Discharge in HV Equipment (J6203) High Voltage System Using EMTP Analysis (J6204) Pulse Power Engineering (J6205)
EEE Control Systems, Control Engineering (95)	Robotics & Control (J9501)	Non-Linear Systems Analysis (J9502)	Digital Signal Processing (J9503)	Optimal Control Theory (J9504)	Elective – III AI Techniques (J9505) Embedded Real Time Operating System EMS (J9506)	Elective – IV Decision and Estimation Theory (J9507) Embedded Computer Control (J9508)

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MECHANICAL Thermal Engineering (21)	Fuels, Combustion & Environment (J2101)	Energy Management (J2102)	Finite Element Methods (J2103)	Computational Fluid Dynamics (J2104)	Elective – III Convective Heat Transfer (J2106) Thermal & Nuclear Power Plants (J2107) Advanced Automobile Engineering (J2108)	Elective – IV Thermal Measurements and Process Controls (J2109) Cryogenic Engineering (J2110) JET Propulsion and Rocketry (J2111) Equipment Design for Thermal Systems (J2112)
MECHANICAL Thermal Sciences And Energy Systems (18)	Solar Thermal and Photovoltaic Systems (J1801)	Hydrogen and Fuel Cells (J1802)	Biomass, Wind and Ocean Energy (J1803)	Energy Audit and Conservation (J1804)	Elective – III Energy Systems Modelling and Analysis (J1805) Energy Economics and Planning (J1806) Optimization Techniques & Applications (J1807)	Elective – IV Instrumentation & Controls (J1808) Waste Heat Recovery Systems (J1809) Green Energy Technologies (J1810)
MECHANICAL Machine Design/ Mechanical Engineering Design (15/14)	Experimental Stress Analysis (J1502)	Elective – IV Theory of Plasticity (J1510)	Finite Element Method (J2103)	Elective – III Computational Fluid Dynamics (J2104)	Elective – IV Mechatronics (J1509)	Elective – IV Pressure Vessel Design (J1507) Mechanics of Composite Materials (J1508) Optimization and Reliability (J1501)

BRANCHES AND SPECIALIZATIONS	20-09-2022 (Tuesday)	22-09-2022 (Thursday)	24-09-2022 (Saturday)	26-09-2022 (Monday)	28-09-2022 (Wednesday)	30-09-2022 (Friday)
MECHANICAL Computer Aided Analysis & Design (16)	Experimental Stress Analysis (J1502)	Elective – IV Theory of Plasticity (J1510)	----	Elective – III Computational Fluid Dynamics (J2104)	Elective – III Fracture Mechanics (J0404) Elective – III Mechatronics (J1509)	Mechanics of Composite Materials (J1508) Optimization and Reliability (J1501)
MECHANICAL CAD/CAM (04)	Modeling & Simulation of Manufacturing Systems (J0401)	Elective – IV Mechanics & Manufacturing Methods of Composites (J0406) Intelligent Manufacturing Systems (J0407)	Finite Element Method (J2103)	Computer Graphics (J0402)	Elective – III Fracture Mechanics (J0404) Concurrent Engineering (J0405)	Optimization and Reliability (J1501)
MECHANICAL Advanced Manufacturing Systems (17)	Modeling & Simulation of Manufacturing Systems (J0401)	Intelligent Manufacturing Systems (J0407)	Elective – III Finite Element Method (J2103)	Elective – IV Computational Fluid Dynamics (J2104)	Elective – III Concurrent Engineering (J0405) Design and Manufacturing of MEMS & Microsystems (J1701)	Optimization & Reliability (J1501)
MECHANICAL Computer Aided Design & Manufacturing (09)	Modeling & Simulation of Manufacturing Systems (J0401)	Elective – IV Mechanics & Manufacturing Methods of Composites (J0901) Intelligent Manufacturing Systems (J0407)	Finite Element Method (J2103)	Computer Graphics (J0402)	Elective – III Fracture Mechanics (J0404) Concurrent Engineering (J0405) Design and Manufacturing of MEMS & Microsystems (J1701)	Optimization and Reliability (J1501)

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MECHANICAL Advanced Manufacturing And Mechanical System Design) (13)	Modeling & Simulation of Manufacturing Systems (J0401)	Intelligent Manufacturing Systems (J0407)	Elective – III Finite Element Methods (J2103) Control Systems (J1302)	Precision Engineering (J1301)	Elective – III Design and Manufacturing of MEMS and Microsystems (J1701)	Elective – IV Product Design (J1303) Flexible Manufacturing Systems (J1304)
MECHANICAL Petroleum Engineering (08)	Advanced Natural Gas Engineering (J0801)	Artificial Lift Techniques (J0802)	Operational Aspects of Well Testing (J0803)	Integrated Reservoir Management (J0804)	Elective –III Practical Reservoir Modeling & Simulation (J0805) Optimization of Oil & Gas Production (J0806) Flow Assurance (J0807)	Elective – IV Process Safety & Environmental Aspects in Petroleum Industry (J0808) Deep Water Technologies (J0809) Characterization of Petroleum Oils (J0810)

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CSE SOFTWARE ENGINEERING (25)	Software Architecture & Design Patterns (J2501)	Software Quality Assurance & Testing (J2502)	Service Oriented Architectures (J2504)	Cyber Security (J2503)	Elective – III Secure Software Engineering (J2505) Systems Engineering (J2506) ERP & Supply Chain Management (J2507) E-Commerce (J2508)	Elective-IV User Interface Design (J2509) Cloud Computing (J2510) Software Defined Networks (J2511)
CSE INFORMATION TECHNOLOGY (40)	Advanced UNIX Programming (J4001)	---	Big Data Analytics (J4002)	Elective – III ADHOC & Sensor Networks (J4003) Semantic Web services (J4004) Principles of Programming Languages (J4005) Cyber Security (J2503)	Elective – IV Information Retrieval System (J4007) Image Processing & Pattern Recognition (J4008) Software Testing Methodologies (J4009)	Cloud Computing (J2510)
CSE COMPUTER SCIENCE (05)	Advanced UNIX Programming (J4001)	Web Technologies (J0501)	Big Data Analytics (J4002)	Elective – III Compiler Design (J0504) Cyber Security (J2503)	Elective – III Software Engineering (J0502) Artificial Intelligence (J0503)	Elective – IV Object Oriented Analysis And Design (J0505) Parallel Algorithms (J0506) Cloud Computing (J2510) Image Processing (J0507)

BRANCHES AND SPECIALIZATIONS	20-09-2022 (Tuesday)	22-09-2022 (Thursday)	24-09-2022 (Saturday)	26-09-2022 (Monday)	28-09-2022 (Wednesday)	30-09-2022 (Friday)
CSE COMPUTER SCIENCE & TECHNOLOGY (59)	Advanced UNIX Programming (J4001)	Python Programming (J5901)	Big Data Analytics (J4002)	Compiler Design (J0504)	Elective – III Advanced Graph Theory (J5902) Information Retrieval Systems (J4007) Advanced Computer Architecture (J8405)	Elective – IV Advanced Data Bases (J5904) Cloud Computing (J2510)
CSE COMPUTER SCIENCE & ENGINEERING (58)	Advanced UNIX Programming (J4001)	Computer Networks (J5801)	Big Data Analytics (J4002)	Elective – III Compiler Design (J0504) Cyber Security (J2503)	Elective–III Software Engineering (J0502) Artificial Intelligence (J0503)	Elective-IV Image Processing (J0507) Parallel Algorithms (J0506) Cloud Computing (J2510) Mobile Computing (J5802)
CSE Computer Networks (88) Computer Networks And Information Security (84)	Advanced Computer Communications (J8401)	TCP/IP (J8402)	Big Data Analytics (J4002)	MANETS (J8403)	Elective – III Hacking Techniques (J8404) Artificial Intelligence (J0503) Advanced Computer Architecture (J8405)	Elective – IV VANETS (J8406) ISDN & Broadband ISDN (J8407) Firewalls & VPNs (J8408) Wireless Networks And Security (J8409)

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ECE VLSI & ES, ES & VLSI, VLSID & ES, ES & VLSID (68/48/77/81)	Design for Testability (J6804)	CMOS Mixed Signal Circuit Design (J6802)	Elective – III VLSI Signal Processing (J6807) Embedded Real Time Operating Systems (J6803)	Elective – III Digital Signal Processors & Architectures (J6805) Low Power VLSI Design (J6806)	Embedded System Design (J6801)	Elective – IV CPLD and FPGA Architectures and Applications (J6809) Semiconductor Memory Design & Testing (J6810)	---
ECE VLSI/VLSI DESIGN/VLSI SYSTEM DESIGN/VLSI & MICRO ELECTONIC S (57/72/61/76)	Design for Testability (J6804)	CMOS Mixed Signal Circuit Design (J6802)	Elective – III VLSI Signal Processing (J6807)	Elective – III Digital Signal Processors & Architectures (J6805) Low Power VLSI Design (J6806)	Elective – IV Embedded System Design (J6801)	Optimization Techniques in VLSI Design (J5703) Semiconductor Memory Design & Testing (J6810) Elective – III CAD for VLSI (J5701)	System on Chip Design (J5702)

BRANCHES AND SPECIALIZATIONS	20-09-2022 (Tuesday)	22-09-2022 (Thursday)	24-09-2022 (Saturday)	26-09-2022 (Monday)	28-09-2022 (Wednesday)	30-09-2022 (Friday)	01-10-2022 (Saturday)
ECE SSP, DIP, CE& SP, IP, C&SP/SP&C (45/63/46/80/36)	Adaptive Signal Processing (J4501)	Elective – IV Wireless Communication & Networks (J4508)	Image & Video Processing (J4502) Detection & Estimation Theory (J4503) Elective – IV Internet Protocols (J4506)	Elective-III Computer Vision J4504 DSP Processors & Architectures (J6805)	Elective – III Bio-Medical Signal Processing (J4505) Elective – III Embedded System Design (J6801)	Elective – IV Radar Signal Processing (J4507)	---
ECE Microwave & Communication Engineering (82)	Software Defined Radio (J8203)	Wireless Communication & Networks (J4508)	Elective – III EMI/EMC (J8205)	Advanced Antenna Theory & Design (J8201)	Phased Array Systems (J8202)	Elective – IV Smart Antennas (J8207) RF Circuit Design (J8208) Radar Signal Processing (J4507)	---
ECE Embedded Systems (55)	Hardware Software Co-Design (J5501)	Elective – III CMOS Mixed Signal Circuit Design (J6802)	Embedded Networking (J5502) Internet Protocols (J4506)	Digital Signal Processors & Architectures (J6805)	Wireless LANs & PANs (J5503) Multimedia & Signal Coding (J5504)	CPLD & FPGA Architectures & Applications (J6809)	Elective – IV System on Chip Design (J5702)
ECE Digital Systems & Computer Electronics (06)	Design for Testability (J6804)	---	MI/EMC (J8205) Embedded Real Time Operating Systems (J6803)	DSP Processors & Architectures (J6805)	Soft Computing Techniques (J0602) Cyber Security (J0603) Embedded System Design (J6801)	CMOS Analog & Digital IC Design (J0601)	Elective – III System on Clip Design (J5702)

BRANCHES AND SPECIALIZATIONS	20-09-2022 (Tuesday)	22-09-2022 (Thursday)	24-09-2022 (Saturday)	26-09-2022 (Monday)	28-09-2022 (Wednesday)	30-09-2022 (Friday)	01-10-2022 (Saturday)
ECE DECS, E&CE, DECE (38/70/37)	---	Wireless Communication & Networks (J4508)	Image & Video Processing (J4502) EMI/EMC (J8205)	Coding Theory & Applications (J3801) Elective – IV DSP Processors & Architecture (J6805)	Elective – III Advanced Computer Architecture (J3802) Soft Computing Techniques (J0602) Cyber Security (J0603) Embedded System Design (J6801)	Elective –III CMOS Analog & Digital IC Design (J0601)	---
ECE Communication Systems (47)	Software Defined Radio (J8203)	Wireless Communication & Networks (J4508)	Image & Video Processing (J4502) Elective – III Internet Protocols (J4506)	Coding Theory & Applications (J3801) Elective – IV DSP Processors & Architectures (J6805)	Elective – III Soft Computing Techniques (J0602) Cyber Security (J0603)	---	---

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Robert A. Kelly

Date: 07-09-2022

Controller of Examinations



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
UNIVERSITY EXAMINATION BRANCH, KAKINADA

M.TECH II SEMESTER (R19 REGULATION) REGULAR/SUPPLEMENTARY EXAMINATIONS, SEPTEMBER - 2022
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T I M E T A B L E

TIME: 10:00 AM TO 01:00 PM


BRANCH & SPECIALIZATION	20-09-2022 (Tuesday)	22-09-2022 (Thursday)	24-09-2022 (Saturday)	26-09-2022 (Monday)	28-09-2022 (Wednesday)	30-09-2022 (Friday)
Civil Transportation Engineering (22)	Pavement Analysis and Design (N2201)	Transportation Planning (N2202)	Elective III Traffic Flow Analysis (N2205) Elective III Pavement Construction (N2203) Elective III Environmental Impact Assessment (N2204)	Elective IV Geosynthetics and Reinforced Earth Structures (N2206) Elective IV Intelligent Transportation System (N2208) Elective IV Highway Safety Engineering (N2207)	----	----
Civil Structural Engineering/ Structural Design (87)/(85)	Finite Element Methods in Structural Engineering (N8701)	Theory of Plates and Shells (N8702)	Elective III Stability of Structures (N8703) Elective III Analysis of Offshore Structures (N8705)	Elective IV Precast and Prefabricated Structures (N8707) Elective IV Earthquake Resistant Design of Buildings (N8706)	Elective III Advanced Steel Design (N8704)	Elective IV Earth Retaining Structures (N8708)

BRANCH & SPECIALIZATION	20-09-2022 (Tuesday)	22-09-2022 (Thursday)	24-09-2022 (Saturday)	26-09-2022 (Monday)	28-09-2022 (Wednesday)	30-09-2022 (Friday)
Civil Computer Aided Structural Analysis and Design (35)	Finite Element Methods in Structural Engineering (N8701)	CAD & Computer Applications in Structural Engineering (N3501)	Elective III Stability of Structures (N8703) Elective III Analysis of Shells and Folded Plates (N3502)	Elective IV Earthquake Resistant Design of Buildings (N8706) Elective IV Precast and Prefabricated Structures (N8707) Elective IV Management Information Systems (N3503)	Elective III Advanced Steel Design (N8704)	----
Civil Soil Mechanics & Foundation Engineering / Geo-Technical Engineering (19)/(20)	Elective III Pavement Analysis Design & Evaluation (N2201)	Advanced Foundation Engineering (N2001)	Elective III Construction Planning & Methods (N2003) Elective III Geotechnical Earthquake Engineering (N2004)	Elective IV Numerical Methods in Geotechnical Engineering (N2007) Elective IV Earth Dams (N2005) Elective IV Construction in Expansive Soils (N2006)	Earth Retaining Structures (N2002)	----
Civil Highway Engineering (23)	Pavement Analysis & Design (N2201)	Pavement Construction, Maintenance & Management (N2301)	Elective III Land use and Transportation Modeling (N2302) Elective III Transportation Systems and Management (N2303)	Elective III Highway Safety Engineering (N2207)	Elective IV Environmental Impact Assessment for Transportation Projects (N2304) Elective IV GIS Applications in Transportation Engineering (N2305) Elective IV Highway Project Formulation and Economics (N2306)	----

BRANCH & SPECIALIZATION	20-09-2022 (Tuesday)	22-09-2022 (Thursday)	24-09-2022 (Saturday)	26-09-2022 (Monday)	28-09-2022 (Wednesday)	30-09-2022 (Friday)
Civil Environmental Engineering (86)	Air and Noise Pollution Control (N8601)	Solid and Hazardous Waste Management (N8602)	Elective III Environmental Impact Assessment (N8603) Elective III Environmental Systems Analysis (N8605) Elective III Green Technologies (N8604)	Elective IV Occupational, Environmental Health and Safety (N8607) Elective IV Disaster Management (N8606) Elective IV Air Quality Modelling and Management (N8608)	----	----

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Date: 07-09-2022


Controller of Examinations



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
UNIVERSITY EXAMINATION BRANCH, KAKINADA

M.TECH II SEMESTER (R19 REGULATION) REGULAR/SUPPLEMENTARY EXAMINATIONS, SEPTEMBER - 2022
(FOR 2019, 2020 & 2021 ADMITTED BATCHES)

T I M E T A B L E

TIME: 10:00 AM TO 01:00 PM

BRANCH & SPECIALIZATION	20-09-2022 (Tuesday)	22-09-2022 (Thursday)	24-09-2022 (Saturday)	26-09-2022 (Monday)	28-09-2022 (Wednesday)	30-09-2022 (Friday)
CSE Computer Networks & Information Security (84)	Principles of Cyber Security (N8401)	Cyber Crime Investigation and Digital Forensics (N8402)	Elective IV Cloud & IoT Security (N8408)	Elective IV Applied Cryptography (N8409)	Elective III Wireless and Mobile Security (N8403) Elective III Firewall and VPN Security (N8405) Elective III Information Theory & Coding (N8406) Elective III Android Security Design and Internals (N8404)	Elective IV Vulnerability Assessment & Penetration Testing (N8407) Elective IV Secure Coding (N8410)
CSE Computer Science & Engineering (58)	Elective III Advanced Databases and Mining (N5803)	MEAN Stack Technologies (N5802)	Machine learning (N5801)	Elective III Ad Hoc & Sensor Networks (N5804)	Elective III Soft Computing (N5805)	Elective IV Cloud Computing (N5806) Elective IV High Performance Computing (N5808) Elective IV Principles of computer security (N5807)

BRANCH & SPECIALIZATION	20-09-2022 (Tuesday)	22-09-2022 (Thursday)	24-09-2022 (Saturday)	26-09-2022 (Monday)	28-09-2022 (Wednesday)	30-09-2022 (Friday)
CSE Computer Science & Technology (59)	Elective IV Full Stack Technologies (N5907)	Advanced Algorithms (N5901)	Machine Learning (N5801)	Elective III Advanced Network Principles and Protocols (N5902) Elective III Open Source Programming (N5904) Elective III Internet of Things (N5903)	Elective III Soft Computing (N5805) Elective III Pattern Recognition (N5905)	Elective IV Parallel Algorithms (N5908) Elective IV Natural Language Processing (N5906) Elective IV Distributed Databases (N5910) Elective IV Object Oriented Software Engineering (N5909)
CSE Information Technology (40)	Full Stack Technologies (N5907)	Advanced Algorithms (N5901)	Elective III Machine Learning (N5801)	Elective III Advanced Network Principles and Protocols (N5902) Elective III Dev Ops (N4001) Elective III Distributed Computing (N4002) Elective III Social Network Analytics (N4003)	Elective IV Soft Computing (N5805) Elective IV Digital Image Processing (N4004)	Elective IV Block Chain Technologies (N4005) Elective IV Data Science (N4006) Elective IV Natural Language Processing (N5906)
CSE Computer Networks (94)	Network Security (N9401)	Wireless Sensor Networks (N9402)	Elective III Web Security (N9403)	Elective III Intrusion Detection & Prevention Systems (N9404) Elective III Internet of Things (N5903)	Elective IV Firewall & VPN Security (N9405) Elective IV Service Oriented Architecture (N9407)	Elective IV Machine Learning (N9406)

BRANCH & SPECIALIZATION	20-09-2022 (Tuesday)	22-09-2022 (Thursday)	24-09-2022 (Saturday)	26-09-2022 (Monday)	28-09-2022 (Wednesday)	30-09-2022 (Friday)
CSE Neural Networks (69)	Deep Learning (N6901)	Elective III Computer Vision (N6902)	Elective III Big Data Analytics (N6903)	Elective III Remote Sensing (N6904)	Soft Computing (N5805)	Elective IV Cognitive Systems (N6905) Elective IV Natural Language Processing (N5906) Elective IV Knowledge Discovery (N6906)
CSE Cyber Security (26)	----	Malware Analysis & Reverse Engineering (N2601)	Elective III Data Privacy (N2602) Elective III Machine Learning (N5801) Elective III Cloud and IoT Security (N8408)	Elective IV Principles of Secure Coding (N2603) Elective IV Applied Cryptography (N8409)	Elective IV Security Assessment and Risk Analysis. (N2604)	Vulnerability Assessment & Penetration Testing (N8407)
CSE Computer Science (05)	Data Science through Python Programming (N0501)	Advanced Algorithms (N5901)	Elective III Machine Learning (N5801)	Elective III Ad hoc and Sensor Networks (N5804) Elective III Internet of Things (N5903)	Elective IV Cryptography and network Security (N0502) Elective IV Web Technologies (N0503)	Elective IV Cloud Computing (N5806)
CSE Data Science (88)	Elective III Natural Language Processing (N8801)	Advanced Algorithms (N5901)	Machine Learning Techniques (N5801)	Elective IV Principles of Deep Learning (N8802)	Elective IV Image and Video Analytics (N8803) Elective IV Principles of Data Security (N8804)	Elective III Cloud Computing (N5806) Elective III High Performance Computing (N5808)

BRANCH & SPECIALIZATION	20-09-2022 (Tuesday)	22-09-2022 (Thursday)	24-09-2022 (Saturday)	26-09-2022 (Monday)	28-09-2022 (Wednesday)	30-09-2022 (Friday)
CSE Software Engineering (25)	Elective III Software Testing Methodologies (N2503)	Mathematical Foundations of Computer Science (N2502)	Service Oriented Architecture (N2501)	Elective III Agile Software Development (N2504)	Elective IV Secure Software Engineering (N2506) Elective IV Design patterns (N2508) Elective IV Big Data Analytics (N2507)	Elective III ERP & Supply Chain Management (N2505)

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Controller of Examinations

Date: 07-09-2022



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
UNIVERSITY EXAMINATION BRANCH, KAKINADA

M.TECH II SEMESTER (R19 REGULATION) REGULAR/SUPPLEMENTARY EXAMINATIONS, SEPTEMBER – 2022
(FOR 2019, 2020 & 2021 ADMITTED BATCHES)

TIME TABLE

TIME: 10:00 AM TO 01:00 PM

BRANCH & SPECIALIZATION	20-09-2022 (Tuesday)	22-09-2022 (Thursday)	24-09-2022 (Saturday)	26-09-2022 (Monday)	28-09-2022 (Wednesday)	30-09-2022 (Friday)
Mechanical Advanced Manufacturing & Mechanical System Design (13)	Advanced Manufacturing Processes-II (N1301)	Computer Integrated Manufacturing (N1302)	Elective III Finite Element Methods (N1303)	Elective IV Advanced CNC Technologies (N1307)	Elective III MEMS & Micro systems (N1305) Elective III Concurrent Engineering (N1304)	Elective IV Production and Operation Management (N1306) Elective IV Supply Chain Management (N1308)
Mechanical Advanced Manufacturing Systems (17)	Simulation of Manufacturing Systems (N1701)	Computer Integrated Manufacturing (N1302)	Elective III Finite Element Methods (N1303)	Elective IV Advanced CNC Technologies (N1307)	Elective III MEMS & Micro systems (N1305) Elective III Concurrent Engineering (N1304)	Elective IV Production and Operation Management (N1306) Elective IV Supply Chain Management (N1308)
Mechanical Computer Aided Design & Manufacturing (09)	Theory of Elasticity and Plasticity (N0901)	Advanced Manufacturing Processes (N0902)	Elective III Advanced Finite Element Methods (N1303) Elective III Fracture Mechanics (N0903)	Elective IV Additive Manufacturing (N0907) Elective IV Optimization & Reliability (N0906)	Elective III Product Design and Development (N0904)	Elective IV Materials Characterization Techniques (N0905)

BRANCH & SPECIALIZATION	20-09-2022 (Tuesday)	22-09-2022 (Thursday)	24-09-2022 (Saturday)	26-09-2022 (Monday)	28-09-2022 (Wednesday)	30-09-2022 (Friday)
<p align="center">Mechanical CAD/ CAM (04)</p>	<p align="center">Theory of Elasticity and Plasticity (N0901)</p>	<p align="center">Advanced Manufacturing Processes (N0401)</p>	<p align="center">Elective III Advanced Finite Element Methods (N1303)</p> <p align="center">Elective III Fracture Mechanics (N0903)</p>	<p align="center">Elective IV Additive Manufacturing (N0907)</p> <p align="center">Elective IV Optimization & Reliability (N0906)</p>	<p align="center">Elective III Product Design and Development (N0904)</p>	<p align="center">Elective IV Materials Characterization Techniques (N0905)</p>
<p align="center">Mechanical Machine Design (15)</p>	<p align="center">Advanced Machine Design (N1501)</p>	<p align="center">Elective III Theory of Plasticity (N1502)</p>	<p align="center">Advanced Finite Element Methods (N1303)</p>	<p align="center">Elective III Computational Fluid Dynamics (N1504)</p> <p align="center">Elective III Signal Analysis and Condition Monitoring (N1503)</p> <p align="center">Elective III Soft Computing (N1506)</p>	<p align="center">Elective IV Mechatronics (N1509)</p> <p align="center">Elective IV Experimental Techniques and data analysis (N1507)</p> <p align="center">Elective IV Design with advanced Materials (N1508)</p> <p align="center">Elective IV Tribology (N1510)</p> <p align="center">Elective IV Experimental Modal Analysis (N1511)</p>	<p align="center">Elective III Composite Materials (N1505)</p>

BRANCH & SPECIALIZATION	20-09-2022 (Tuesday)	22-09-2022 (Thursday)	24-09-2022 (Saturday)	26-09-2022 (Monday)	28-09-2022 (Wednesday)	30-09-2022 (Friday)
<p align="center">Mechanical Mechanical Engineering Design (14)</p>	<p align="center">Advanced Machine Design (N1501)</p>	<p align="center">Elective III Theory of Plasticity (N1502)</p>	<p align="center">Advanced Finite Element Methods (N1303)</p>	<p align="center">Elective III Computational Fluid Dynamics (N1504)</p> <p align="center">Elective III Signal Analysis and Condition Monitoring (N1503)</p> <p align="center">Elective III Computer Aided Mechanical Design and Analysis (N1401)</p>	<p align="center">Elective IV Mechatronics (N1509)</p> <p align="center">Elective IV Tribology (N1510)</p> <p align="center">Elective IV Experimental Modal Analysis (N1511)</p> <p align="center">Elective IV Design with advanced Materials (N1508)</p> <p align="center">Elective IV Experimental Techniques and data analysis (N1507)</p>	<p align="center">Elective III Composite Materials (N1505)</p>
<p align="center">Mechanical Thermal Engineering (21)</p>	<p align="center">Advanced Heat and Mass Transfer (N2101)</p>	<p align="center">Thermal Measurements and Process Controls (N2102)</p>	<p align="center">Elective III Equipment Design for Thermal Systems (N2103)</p> <p align="center">Elective III Solar Energy Technologies (N2104)</p>	<p align="center">Elective IV Jet Propulsion and Rocket Engineering (N2107)</p> <p align="center">Elective IV Modeling of I.C engines (N2109)</p>	<p align="center">Elective III Advanced Power Plant Engineering (N2105)</p> <p align="center">Elective III Combustion, Emissions and Environment (N2106)</p>	<p align="center">Elective IV Automotive Engineering (N2108)</p> <p align="center">Elective IV Renewable Energy Technologies (N2110)</p>

BRANCH & SPECIALIZATION	20-09-2022 (Tuesday)	22-09-2022 (Thursday)	24-09-2022 (Saturday)	26-09-2022 (Monday)	28-09-2022 (Wednesday)	30-09-2022 (Friday)
<p align="center">Mechanical Automobile Engineering (AA)</p>	<p align="center">Vehicle Body Engineering (NAA01)</p>	<p align="center">Vehicle Dynamics (NAA02)</p>	<p align="center">Elective IV Advanced Finite Element Methods (N1303)</p> <p align="center">Elective IV Advanced Metal Forming (NAA07)</p> <p align="center">Elective IV Automotive Safety and Maintenance (NAA08)</p> <p align="center">Elective IV Vehicle Control Systems (NAA09)</p> <p align="center">Elective IV Simulation of Vehicle Systems (NAA10)</p>	<p align="center">Elective III Noise, Vibrations and Harshness (NAA03)</p> <p align="center">Elective III Automotive System Components Design (NAA06)</p>	<p align="center">Elective III Condition Monitoring (NAA04)</p>	<p align="center">Elective III Automotive Air- Conditioning Systems (NAA05)</p>
<p align="center">Mechanical Thermal Sciences And Energy Systems (18)</p>	<p align="center">Solar Energy and Fuel Cell Technologies (N1801)</p>	<p align="center">Energy Conservation and Management (N1802)</p>	<p align="center">Elective III Energy Systems Modeling and Analysis (N1803)</p> <p align="center">Elective III Energy Economics and Planning (N1804)</p>	<p align="center">Elective IV Waste Heat Recovery Systems (N1807)</p> <p align="center">Elective IV Design of Heat Transfer Equipment (N1808)</p> <p align="center">Elective IV Combustion, Emissions and Environment (N1809)</p> <p align="center">Elective IV Green Buildings (N1810)</p>	<p align="center">Elective III Optimization Techniques and Applications (N1805)</p>	<p align="center">Elective III Biomass, Wind and Ocean Energy (N1806)</p>

BRANCH & SPECIALIZATION	20-09-2022 (Tuesday)	22-09-2022 (Thursday)	24-09-2022 (Saturday)	26-09-2022 (Monday)	28-09-2022 (Wednesday)	30-09-2022 (Friday)
Mechanical Computer Aided Analysis & Design (16)	Advanced Mechanisms (N1601)	Elective III Design for Manufacturing (N1602)	Elective III Advanced Finite Element Methods (N1303) Elective III Fracture Mechanics (N0903)	Optimization and Reliability (N0906)	Elective IV Tribology in Design (N1510)	Elective IV Rapid Prototyping & Tool Design (N1604) Elective IV Industrial Robotics (N1603)
Mechanical Mining Engineering (BB)	Mine Safety Management (NBB01)	Mine Ventilation and Planning (NBB02)	Elective III Surface Mine Environmental Engineering (NBB03) Elective III Mine System Engineering (NBB04)	Elective IV Advanced Underground Mine Planning and Design (NBB07) Elective IV Numerical Methods in Geotechnical Engineering (NBB08)	Elective III Sustainable Mining Industry (NBB05)	Elective IV Geo- Statistics (NBB06)
Petroleum Engineering (08)	Artificial Lift Techniques. (N0801)	Reservoir Modeling & Simulation. (N0802)	Elective III Advanced EOR Techniques (N0803)	Elective III Advanced well Completions (N0804)	Elective IV Flow Assurance (N0805)	Elective IV Advanced Horizontal well Technology (N0806)

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Arjun K. K.

Date: 07-09-2022

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M.TECH II SEMESTER (R19 REGULATION) REGULAR/SUPPLEMENTARY EXAMINATIONS, SEPTEMBER – 2022
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BRANCH & SPECIALIZATION	20-09-2022 (Tuesday)	22-09-2022 (Thursday)	24-09-2022 (Saturday)	26-09-2022 (Monday)	28-09-2022 (Wednesday)	30-09-2022 (Friday)
ECE Communication Engineering & Signal Processing/ Communication & Signal Processing (46,80)	Pattern Recognition and Machine Learning (N4601)	Detection and Estimation Theory (N4602)	Elective III IOT and Applications (N4603)	Elective III Wireless Sensor Networks (N4604)	Elective III Soft Computing Techniques (N4605)	Elective IV Smart Antennas (N4606) Elective IV Biomedical Signal Processing (N4607) Elective IV Optical Networks (N4608)
ECE Communication Systems (47)	Elective IV DSP Processors and Architectures (N4706)	Wireless Communications and Networks (N4701)	Image and Video Processing (N4702)	Elective III Internet Protocols (N4703) Elective III Cyber Security (N4704)	Elective III Soft Computing Techniques (N4605)	Elective IV Radio and Navigational Aids (N4707) Elective IV Optical Networks (N4705)
ECE Digital Electronics & Communication Engineering/ Digital Electronics & Communication Systems/ Electronics & Communication Engineering (37,38,70)	Elective IV DSP Processors and Architectures (N4706)	Wireless Communications and Networks (N4701)	Image and Video Processing (N4702)	Elective III CMOS Analog & Digital IC Design (N3701)	Elective III Advanced Computer Architecture (N3702) Elective III Soft Computing Techniques (N4605)	Elective IV EMI/ EMC (N3703) Elective IV Object Oriented Programming (N3704)

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ECE Digital System & Computer Electronics (DSCE) (06)	DSP Processors and Architectures (N4706)	Elective III System On Chip Design (N0602)	Internet Of Things & Applications (N0601)	Elective III Cyber Security (N4704)	Elective III Soft Computing Techniques (N4605)	Elective IV High Speed Networks (N0604) Elective IV EMI/EMC (N3703) Elective IV Embedded Real Time Operating Systems (N0603)
ECE System & Signal Processing/ Digital Image Processing (45,63)	Pattern Recognition and Machine Learning (N4601)	Detection and Estimation Theory (N4602)	Elective III IOT and Applications (N4603)	Elective III Wireless Sensor Networks (N4604)	Elective III Soft Computing Techniques (N4605)	Elective IV Audio/Video Coding & Compression (N4501) Elective IV Biomedical Signal Processing (N4607) Elective IV Optical Networks (N4608)
ECE Embedded Systems (55)	Elective IV Physical Design Automation (N5508)	Real Time Operating Systems (N5502)	Elective III Memory Architectures (N5503)	Elective III SoC Design (N5504) Elective III Sensors & Actuators (N5505)	Digital System Design (N5501)	Elective IV Communication Buses and Interfaces (N5506) Elective IV Network Security and Cryptography (N5507)

BRANCH & SPECIALIZATION	20-09-2022 (Tuesday)	22-09-2022 (Thursday)	24-09-2022 (Saturday)	26-09-2022 (Monday)	28-09-2022 (Wednesday)	30-09-2022 (Friday)
ECE VLSI & Embedded Systems, Embedded System & VLSI, VLSID&ES, ES&VLSID (68,48,77,81)	Elective IV Physical Design Automation (N5508)	Real Time Operating Systems (N5502)	Elective III Memory Architectures (N5503)	Elective III SoC Design (N5504) Elective III Low power VLSI Design (N6802)	Analog and Digital CMOS VLSI Design (N6801)	Elective IV Communication Buses and Interfaces (N5506) Elective IV Network Security and Cryptography (N5507)
ECE VLSI, VLSI Design, VLSI System Design, VLSI Micro-Electronics (57,72,61,76)	Physical Design Automation (N5508)	Mixed Signal & RF IC Design (N5701)	Elective III VLSI Signal Processing (N5703) Elective III IOT & its Applications (N0601)	Elective III Design For Testability (N5702)	Elective IV Microcontrollers & programmable Digital Signal Processors (N5704)	Elective IV Low Power VLSI Design (N5705) Elective IV Network Security & Cryptography (N5507)

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EEE Control Systems/Control Engineering (95,28)	Elective III Robotics and Control (N9504)	Non-Linear Systems Analysis (N9501)	Elective III Advanced Digital Signal Processing (N9503)	Optimal Control Theory (N9502)	Elective III Large scale systems (N9505)	Elective IV Process Control and Automation (N9506) Elective IV Decision and Estimation Theory (N9507) Elective IV Embedded Computer Control (N9508)
EEE High Voltage Engineering/ Power Systems with emphasis on H. V. Engineering/ High Voltage and Power Systems Engineering (62,29,64)	High Voltage Testing Techniques (N6201)	Elective IV EHVAC Transmission (N6207) Elective IV Flexible AC Transmission Systems (N6206) Elective IV Smart Grid Technologies (N6208)	Surge Phenomenon & Insulation Coordination (N6202)	Elective III Gas Insulated Systems and Substations (N6204)	Elective III Pulse Power Engineering (N6205)	Elective III Partial Discharge in HV Equipment (N6203)

BRANCH & SPECIALIZATION	20-09-2022 (Tuesday)	22-09-2022 (Thursday)	24-09-2022 (Saturday)	26-09-2022 (Monday)	28-09-2022 (Wednesday)	30-09-2022 (Friday)
EEE Power Electronics/ Power and Industrial Drives/ Power Electronics and Electrical Drives / Power Electronics and Drives/ Power Electronics and systems/ Electrical Machines and Drives (43,42,54,52,12,44)	Switched Mode Power Conversion (N4301)	Power Electronic Control of Electrical Drives (N4302)	Elective IV Advanced Digital Signal Processing (N9503)	Elective III Control & Integration of Renewable Energy Systems (N4303) Elective III Hybrid Electric Vehicles (N4304) Elective III Digital Control Systems (N4305)	Elective IV Applications of Power Converters (N4306)	Elective IV Microcontrollers (N4307)
EEE Power Electronics & Power systems (99)	Switched Mode Power Conversion (N4301)	Elective IV EHVAC Transmission (N6207) Elective IV Flexible AC Transmission Systems (N6206)	Real Time Control of Power Systems (N9901)	Elective III Electrical Machine Modeling & Analysis (N9902) Elective III DSP Controlled Drives (N9903)	Elective III Applications of Power Converters (N4306)	Elective IV Power System Dynamics & Stability (N9904)
EEE Power Systems/ Power System Control And Automation/ Power System Engineering/ Power System Control / Advanced Power Systems/ Electrical Power Engineering/ Power Engineering & Energy Systems Electrical Power Systems, Power System and Automation (56,53,30,31,50,60,65,66)	Elective IV Generation & Measurement of High Voltages (N5601)	Elective III EHVAC Transmission (N6207) Elective III Flexible AC Transmission Systems (N6206)	Real Time Control of Power Systems (N9901)	Elective III Hybrid Electric Vehicles (N4304)	Elective IV Evolutionary Algorithms and Applications (N5602) Elective IV Programmable Logic Controllers & Applications (N5603)	Power System Dynamics and Stability (N9904)

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