JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

IV B.TECH - II SEMESTER (R19) ADVANCED SUPPLEMENTARY EXAMINATIONS, JULY - 2023

T I M E T A B L E

TIME : 02.00 PM TO 05.00 PM

Branch	20-07-2023 (Thursday)	21-07-2023 (Friday)	22-07-2023 (Saturday)	24-07-2023 (Monday)	25-07-2023 (Tuesday)	26-07-2023 (Wednesday)
Civil Engineering (01)	Estimation, Specifications and Contract (R19420I1)	**Program Elective – IV** Finite Element Methods (R19420IA), Design & Drawing of Irrigation Structures, (R19420IB), Soil Dynamics and Machine Foundations (R19420IC), Road Safety Engineering (R19420ID), Disaster Management & Mitigation (R19420IE)	Open Elective (offered by Civil) Disaster Management (R19420IM), Environmental Pollution & Control (R19420IN), Elements of Civil Engineering (R19420IO), Green Technology (R19420IP), Smart Cities (R19420IQ), Project Management (R19420IR), Traffic Safety (R19420IS), Geo-Spatial Technologies (R19420IT), Waste Water Treatment (R19420IU)	**Program Elective – V** Advanced Structural Analysis (R19420IG), Urban Hydrology (R19420IH), Ground Improvement Techniques (R19420II), Pavement Management Systems (R19420IJ), Low-cost Housing (R19420IK)	......	......
Electrical & Electronics Engineering (02)	Power System Operation & Control (R194202I)	**Elective – IV** Electrical Distribution Systems (R194202A), HVAC & DC Transmission (R194202B), Flexible Alternating Current Transmission Systems (R194202C), Power Quality (R194202D), Smart Grid (R194202E), Special Electrical Machines (R194202F)	**Open Elective – II (offered by ME)** Green Energy Systems (R194203K), Robotics (R194203L), Energy Management (R194203M), 3D Printing Technologies (R194203N), Mechatronics (R194203O), **Open Elective – II (offered by ECE)** Embedded Systems (Except for ECE) (R194204H), **Open Elective – II (offered by CSE)** Problem Solving using Python (R194205J), Web Technologies (R194205J), Machine Learning (R194205K), Distributed Computing (R194205L), AI Tools & Techniques (R194205M), Data Science (R194205N)	......	....	....

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

IV B.TECH - II SEMESTER (R19) ADVANCED SUPPLEMENTARY EXAMINATIONS, JULY - 2023

T I M E T A B L E

TIME : 02.00 PM TO 05.00 PM

Branch	20-07-2023 (Thursday)	21-07-2023 (Friday)	22-07-2023 (Saturday)	24-07-2023 (Monday)	25-07-2023 (Tuesday)	26-07-2023 (Wednesday)
Mechanical Engineering (03)	Elective – V: Additive Manufacturing (R194203A), Gas Dynamics and Jet Propulsion (R194203B), Reliability Engineering (R194203D)	Elective – VI: Computational Fluid Dynamics (R194203G), Condition Monitoring (R194203F), Non Destructive Evaluation (R194203H), Control Systems (R194203I), Entrepreneurship Development (R194203J)	Open Elective (offered by Civil): Disaster Management (R194201M), Environmental Pollution & Control (R194201N), Elements of Civil Engineering (R194201O), Green Technology (R194201P), Smart Cities (R194201Q), Project Management (R194201R), Traffic Safety (R194201S), Geo-Spatial Technologies (R194201T), Waste Water Treatment (R194201U) — Open Elective-II (offered by EEE): Measurements & Instrumentation (Except for EEE) (R194202G), Fundamentals of Utilization of Electrical Energy (Except for EEE) (R194202H), Concepts of Power System Engineering (Except for EEE) (R194202I), Basics of Control Systems (Except for EEE) (R194202J), Energy Audit (Except for EEE) (R194202K) — Open Elective – II (offered by ME): Green Energy Systems (R194203K), Robotics (R194203L), Energy Management (R194203M), 3D Printing Technologies (R194203N), Mechatronics (R194203O) — Open Elective – II (offered by ECE): Embedded Systems (Except for ECE) (R194204H) — Open Elective – II (offered by CSE): Problem Solving using Python (R194205I), Web Technologies (R194205J), Machine Learning Technologies (R194205K), Distributed Computing (R194205L), AI Tools & Techniques (R194205M), Data Science (R194205N)	Open Elective – III (offered by ME): Total Quality Management (R194203P), Supply Chain Management (R194203Q), Entrepreneurship (R194203R), Advanced Materials (R194203S) — Open Elective – III (offered by CSE & IT): Image Processing (Except for CSE & IT) (R194205F), Mobile Application Development (Except for CSE&IT) (R194205G), Cyber Security (Except for CSE & IT) (R194205H) — Open Elective – III (offered by PE): Shale Gas Technology (Except for PE) (R194227G), Basic concepts of Enhanced Oil Recovery Techniques (Except for PE) (R194227H) — Open Elective – III (offered by AGE): Design of Agricultural Machinery (R194235D), Food Quality and Control (R194235E), Industrial Pollution Control Engineering (R194235F)	Deep Learning (R194205A) Block chain Technologies (R194205D) Big Data Analytics (R194205E)	Product Design & Development (R194203C)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

IV B.TECH - II SEMESTER (R19) ADVANCED SUPPLEMENTARY EXAMINATIONS, JULY - 2023

TIME TABLE

TIME : 02.00 PM TO 05.00 PM

Branch	20-07-2023 (Thursday)	21-07-2023 (Friday)	22-07-2023 (Saturday)	24-07-2023 (Monday)	25-07-2023 (Tuesday)	26-07-2023 (Wednesday)
Electronics & Communication Engineering (04)	**Elective – V** Wireless Communication (R194204A), VLSI Testing &Testability (R194204B), Machine Learning & Artificial Intelligence (R194204C), Speech Processing (R194204D), Industrial Internet of things (R194204E)	……	**Open Elective (offered by Civil)** Disaster Management (R194201M), Environmental Pollution & Control (R194201N), Elements of Civil Engineering (R194201O), Green Technology (R194201P), Smart Cities (R194201Q), Project Management (R194201R), Traffic Safety (R194201S), Geo-Spatial Technologies (R194201T), Waste Water Treatment (R194201U) **Open Elective II (offered by EEE)** Measurements & Instrumentation(Except for EEE) (R194202G), Fundamentals of Utilization of Electrical Energy (Except for EEE) (R194202H), Concepts of Power System Engineering (Except for EEE) (R194202I), Basics of Control Systems (Except for EEE)(R194202J), Energy Audit (Except for EEE) (R194202K) **Open Elective – II (offered by ME)** Green Energy Systems (R194203K), Robotics (R194203L), Energy Management (R194203M), 3D Printing Technologies (R194203N) Mechatronics (R194203O) **Open Elective – II (offered by ECE)** 3D Printing (Open Electives for ECE) (R194204F), Cyber Security &Cryptography (Open Electives for ECE) (R194204G) **Open Elective – II (offered by CSE)** Problem Solving using Python (R194205I), Web Technologies (R194205J), Machine Learning (R194205K), Distributed Computing (R194205L), AI Tools & Techniques (R194205M), Data Science (R194205N)	……	Block chain Technologies (R194205D)	……

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

IV. B.TECH - II SEMESTER (R19) ADVANCED SUPPLEMENTARY EXAMINATIONS, JULY - 2023

TIME TABLE

TIME : 02.00 PM TO 05.00 PM

Branch	20-07-2023 (Thursday)	21-07-2023 (Friday)	22-07-2023 (Saturday)	24-07-2023 (Monday)	25-07-2023 (Tuesday)	26-07-2023 (Wednesday)
Computer Science & Engineering (05)	Management and Organizational Behavior (Common to CSE & IT) (R1942051)	Elective – V Quantum Computing (Common to CSE & IT) (R194205B), DevOps (R194205C).	Open Elective (offered by Civil) Disaster Management (R194201M), Environmental Pollution & Control (R194201N), Green Technology (R194201P), Smart Cities (R194201Q), Project Management (R194201R), Traffic Safety (R194201S), Geo-Spatial Technologies (R194201T), Waste Water Treatment (R194201U)	Open Elective – III (offered by ME) Total Quality Management (R194203P), Supply Chain Management (R194203Q). Entrepreneurship (R194203R), Advanced Materials (R194203S). Open Elective – III (offered by PE) Shale Gas Technology (Except for PE Branch) (R194227G), Basic concepts of Enhanced Oil Recovery Technique, (Except for PE) (R194227H) Open Elective – III (offered by AGE) Design of Agricultural Machinery (R194235D), Food Quality, and Control (R194235E), Industrial Pollution Control Engineering (R194235F)	Deep Learning (R194205A), Block chain Technologies (R194205D), Big Data Analytics (R194205E)	Product Design & Development (R194203C)
Information Technology (12)	Management and Organizational Behavior (Common to CSE & IT) (R1942051)	Elective – V Quantum Computing (Common to CSE & IT) (R194205B), Software Project Management (R194212A), Network Programming (R194212B)	Open Elective (offered by Civil) Disaster Management (R194201M), Environmental Pollution & Control (R194201N), Green Technology (R194201P), Smart Cities (R194201Q), Project Management (R194201R), Traffic Safety (R194201S), Geo-Spatial Technologies (R194201T), Waste Water Treatment (R194201U)	Open Elective – III (offered by ME) Total Quality Management (R194203P), Supply Chain Management (R194203Q). Entrepreneurship (R194203R), Advanced Materials (R194203S) Open Elective – III (offered by PE) Shale Gas Technology (Except for PE) (R194227G), Basic concepts of Enhanced Oil Recovery Techniques (Except for PE) (R194227H), Open Elective – III (offered by AGE) Design of Agricultural Machinery (R194235D), Food Quality and Control (R194235E), Industrial Pollution Control Engineering (R194235F)	Deep Learning (R194205A), Block chain Technologies (R194205D), Big Data Analytics (R194205E)	Product Design & Development (R194203C)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

IV B.TECH - II SEMESTER (R16) ADVANCED SUPPLEMENTARY EXAMINATIONS, JULY - 2023

TIME TABLE

TIME : 02.00 PM TO 05.00 PM

Branch	20.07.2023 (Thursday	21.07.2023 (Friday)	22.07.2023 (Saturday)	24.07.2023 (Monday)
Civil Engineering (01)	Estimation Specificatin & Contracts (**R1642011**)	Construction Technology & Management (**R1642012**)	Prestressed Concrete (**R1642013**)	**Elective-III**: Bridge Engineering (**R164201A**) /Soil Dynamics and Foundations (**R164201B**) /Solid and Hazards waste management (**R164201C**) /Water Resource System Planning (**R164201D**) /UrbanTransportation Planning Engineering (**R164201E**)
Electrical & Electronics Engineering (02)	Digital Control Systems (**R1642021**)	HVDC Transmission (**R1642022**)	Electrical Distribution Systems (**R1642023**)	**Elective-I**: High Voltage Engineering (**R164202A**) /Flexible Alternating Current Transmissin Systems (**R164202B**) /Power Systems Reforms (**R164202C**)
Mechanical Engineering (03)	Production Planning and Control (Common to Mechanical and Mining) (**R1642031**)	Unconventional Machining Processes (**R1642032**)	Automobile Engineering (**R1642033**)	**Elective-III**: Thermal Equipment Design (**R164203A**) /Non Destructive Evaluation (**R164203B**) /Quality and Reliability Engineering (**R164203C**)
Electronics & Communication Engineering (04)	Cellular Mobile Communications (**R1642041**)	Electronic Measurements and Instrumentation (**R1642042**)	Satellite Communications (**R1642043**)	**Elective-III**: Digital IC Design (Common to ECE & E.I.E) (**R164204B**) /Operating Systems (**R164204C**) /Wireless Sensors & Networks (**R164204A**)
Computer Science & Engineering (05)	Distributed Systems (Common to CSE, IT) (**R1642051**)	Management Science (Common to CSE, IT) (**R1642052**)	Machine Learning (**R1642053**)	**Elective-III**: Operation Research (**R164205C**) /Artificial Neural Networks(Common to CSE, IT) (**R164205B**) /Concurrent and Parallel Programming (Common to CSE, IT) (**R164205A**)
Electronics & Instrumentation Engineering (10)	Industrial Automation (**R1642101**)	Data Communications (**R1642102**)	Embedded Systems (Common to EIE & E.Comp.E) (**R1642103**)	**Elective III**: Digital IC Design (Common to ECE & E.I.E) (**R164204B**)/Calibration & Standards (**R164210A**)/Micro Electro Mechanical Systems (MEMS) (**R164210B**)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

IV B.TECH II SEMESTER (R13) ADVANCED SUPPLEMENTARY EXAMINATIONS, JULY - 2023
TIME TABLE

TIME: 02.00 PM TO 05.00 PM

Branch	20.07.2023 (Thursday)	21.07.2023 (Friday)	22.07.2023 (Saturday)	24.07.2023 (Monday)
Civil Engineering (01)	Estimating, Specifications & Contracts (RT42011)	Elective-II: Engineering with Geo-synthetics (RT42012A)/ Environmental Impact Assessment and Management (RT42012B)/ Advanced Structural Engineering (RT42012C)/ Ground Water Development and Management (RT42012D)/ Traffic Engineering (RT42012E)/ Infrastructure Management (RT42012F)	Elective-III: Advanced foundation Engineering (RT42013A)/ Solid waste Management (RT42013B)/ Earthquake Resistant Design (RT42013C)/ Water Shed Management (RT42013D)/ Pavement Analysis and Design (RT42013E)/ Green Buildings (RT42013F)	Elective-IV: Soil Dynamics and Machine Foundations (RT42014A)/ Environmental and Industrial Hygiene(RT42014B)/ Repair and Rehabilitation of Structures(RT42014C)/ Water Resources System Planning and Management (RT42014D)/ Urban Transportation Planning (RT42014E)/ Safety Engineering (RT42014F)/ Bridge Engineering (RT42014G)
Electrical and Electronics Engineering (02)	Digital Control Systems (RT42021)	Elective-II: Advanced Control Systems (RT42022A)/ High Voltage Engineering (RT42022B)/ Special Electrical Machines (RT42022C)	Elective-III: Electric Power Quality (RT42023A)/ Digital Signal Processing (RT42023B)/ FACTS: Flexible Alternating Current Transmission Systems (RT42023C)	Elective-IV: OOPS Through Java(RT42024A)/ UNIX and Shell Programming (RT42024B)/ AI Techniques (RT42024C)/ Power System Reforms (RT42024D)/ Systems Engineering (RT42024E)
Mechanical Engineering (03)	Production Planning and Control (RT42031) *(Common to ME, Mining)*	Green Engineering Systems (RT42032)	Elective-III: Experimental Stress Analysis (RT42033A) *(Common to ME,AME)/* Mechatronics (RT42033B)/ Advanced Materials (RT42033C)/ Power Plant Engineering(RT42033D)	Elective-IV: Non Destructive Evaluation(RT42034A)/ Advanced Optimization Techniques(RT42034B)/ Gas Dynamics & Jet Propulsion(RT42034C)/ Quality and Reliability Engineering (RT42034D)
Electronics and Communication Engineering (04)	Cellular Mobile Communication (RT42041)	Electronic Measurements and Instrumentation (RT42042)	Elective-III: Satellite Communication (RT42043A)/ Mixed signal Design (RT42043B)/ Embedded systems (RT42043C) *(Common to ECE,EIE&ECC)/* RF Circuit Design (RT42043D)/ Cloud Computing (RT42043E) *(Common to ECE,CSE)*	Elective-IV: Wireless Sensors and Networks (RT42044A) *(Common to ECE,EIE&ECC)* System on Chip (RT42044B) *(Common to ECE, EIE)* Low Power VLSI Design (RT42044C)/ Bio-Medical Ins(RT42044D)/ EMI/EMC (RT42044E) *(Common to ECE, ECC)*
Computer Science and Engineering (05)	Distributed Systems (RT42051) *(Common to CSE, IT)*	Management Science (RT42052) *(Common to CSE, IT & AME)*	Elective-IV: Micro processors and Multi Core Systems (RT42054A)/ Embedded and Real Time Systems (RT42054B)/ Neural Networks & Soft Computing (RT42054C) / Social Networks and the Semantic Web(RT42054D)/ Cloud Computing (RT42043E) *(Common to CSE, ECE)*	Elective-III: Human Computer Interaction (RT42053A)/ *(Common to CSE, IT)* Advanced Operating Systems (RT42053B)/ *(Common to CSE, IT)* Mobile Adhoc & Sensor Networks(RT42053C)/ *(Common to CSE, IT)* Pattern Recognition(RT42053D)/ *(Common to CSE, IT)* Digital Image Processing (RT42053E)/ Micro processors and Multi Core Systems (RT42053F)