



# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

## IV B.TECH - I SEMESTER (R19) ADVANCED SUPPLEMENTARY EXAMINATIONS, MARCH - 2023

### TIME TABLE

TIME : 10.00 AM TO 01.00 PM

Branch	13-03-2023 (Monday)	14-03-2023 (Tuesday)	15-03-2023 (Wednesday)	16-03-2023 (Thursday)	17-03-2023 (Friday)	18-03-2023 (Saturday)
<b>Civil Engineering (01)</b>	Design & Drawing of Steel Structures (R1941011)	Geotechnical Engineering - II (R1941012)	Remote Sensing & GIS (R1941013)	<b>Elective-III :</b> Bridge Engineering (R194101A)/ Industrial Waste Water Treatment (R194101B)/ Earth Rock-fill Dams (R194101C)/ Intelligent Transportation Systems (R194101D)/ Building Services (R194101E)	.....	<b>Open Elective-III :</b> Disaster Management (R194101F)/ Environmental Pollution & Control (R194101G)/ Elements of Civil Engineering (R194101H)/ Green Technology (R194101I)/ Smart Cities (R194101J)/ Project Management (R194101K)/ Traffic Safety (R194101L)/ Geo-Spatial Technologies (R194101M)/ Waste Water Treatment (R194101N)
<b>Electrical &amp; Electronics Engineering (02)</b>	Switchgear & Protection (R1941021)	OOPs through JAVA (R1941022)	Renewable Energy Systems (R1941023)	<b>Elective-II :</b> Utilization of Electrical Energy (R194102A)/ Data Base Management System (R194102B)/ Advanced Control Systems (R194102C)/ Electrical Machine Design (R194102D)/ Hybrid Electric Vehicles (R194102E)	<b>Elective-III :</b> Operating Systems (R194102G)/ Neural Networks & Fuzzy Logic (R194102H)/ High Voltage Engineering (R194102I)/ Energy Auditing and Demand Side Management (R194102J)/ Data Analytics with Python (R194102K)	<b>Open Elective - II :-</b> Measurements & Instrumentation (Except for EEE)(R194102M)/ Fundamentals of Utilization of Electrical Energy (Except for EEE) (R194102N)/ Concepts of Power System Engineering (Except for EEE) (R194102O)/ Basics of Control Systems (Except for EEE) (R194102P)/ Energy Audit (Except for EEE) (R194102Q)/ Fundamental of Electrical Machines (Except for EEE) (R194102R)
<b>Mechanical Engineering (03)</b>	Industrial Management (R1941031)	<b>Elective - III :-</b> Mechanical Vibrations (R194103A)/ Renewable Energy Sources (R194103B)/ Production Planning&Control (R194103C)/ Machine Tool Design (R194103D)	.....	Finite Element Methods (Common to ME & AME) (R1941032)	<b>Elective-IV :</b> Industrial Automation and Robotics (R194103F)/ Micro and Nano Manufacturing (R194103G)/ Power Plant Engineering (R194103H)/ Optimization Techniques (R194103I)	<b>Open Elective-II :</b> MEMS (R194103K)/ Optimization Methods (R194103L)/ Operations Management (R194103M)/ Nano Technology (R194103N)/ Finite Element Analysis (R194103O)



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<b>Electronics &amp; Communication Engineering (04)</b>	Microwave and Optical Communication Engineering (R194104I)	Data Communications & Computer Networks (R1941042)	Digital Image and Video Processing (R1941043)	<b>Elective-III :</b> Communication Standards and Protocols (R194104A)/ Analog IC Design (R194104B) / SmartSensors (R194104C)/ Advanced Digital Signal Processing (R194104D)/ Augmented Reality (R194104E)	<b>Elective-IV:</b> Software Radio (R194104F)/ Low Power VLSI Design (R194104G)/ EmbeddedSystems (R194104H)/ DSP Processors and Architectures (R194104I)/ Multi Media Communication (R194104J)	<b>Open Elective :</b> Embedded Systems (Except for ECE) (R194104K)
<b>Computer Science &amp; Engineering (05)</b>	Cryptography and Network Security (Common to CSE & IT) (R194105I)	Machine Learning (Common to CSE & IT) (R1941053)	UML & Design Patterns (R1941052)	<b>Elective-III :</b> Mobile Computing (R194105A)/ Data Science (R194105B)/ NoSQL Databases (R194105C)/ Internet of Things (R194105D)/ Software Project Management (R194105E)	<b>Elective-IV:</b> Web Services (R194105F)/ Cloud Computing (Common to CSE & IT) (R194105G) / Mean Stack Technologies (R194105H)/ Ad-hoc and Sensor Networks (Common to CSE & IT) (R194105I)/ Cyber Security & Forensics (R194105J)	<b>Open Elective :</b> Problem Solving using Python (Common to CSE & IT) (Except CSE & IT) (R194105K)/ Web Technologies (Common to CSE & IT) (Except CSE & IT) (R194105L)/ Machine Learning (Common to CSE & IT) (Except CSE & IT)/ (R194105M)/ Distributed Computing (Common to CSE & IT) (Except CSE & IT) (R194105N)/ AI Tools & Techniques (Common to CSE & IT) (Except CSE & IT) (R194105O)/ Data Science (Except CSE & IT) (R194105P)
<b>Information Technology (12)</b>	Cryptography and Network Security (Common to CSE & IT) (R194105I)	Machine Learning (Common to CSE & IT) (R1941053)	Advanced Computer Networks (R194112I)	<b>Elective IV:</b> Distributed Systems (R194112D)/ DevOps (R194112E) / Internet of Things (R194112F)/ Data Science (R194112G)/ Biometrics (R194112H)	<b>Elective III:</b> Big Data Analytics (R194112A)/ Social Networking (R194112B)/ Ad-hoc and Sensor Networks (Common to CSE & IT) (R194105I)/ Cloud Computing (Common to CSE & IT) (R194105G)/ Design Patterns (R194112C)	<b>Open Elective :</b> Problem Solving using Python (Common to CSE & IT) (Except CSE & IT) (R194105K)/ Web Technologies (Common to CSE & IT) (Except CSE & IT) (R194105L)/ Machine Learning (Common to CSE & IT) (Except CSE & IT)/ (R194105M)/ Distributed Computing (Common to CSE & IT) (R194105N) / AI Tools & Techniques (Common to CSE & IT) (Except CSE & IT) (R194105O) / Data Science (Except CSE & IT) (R194112I)



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<b>Automobile Engineering (24)</b>	Industrial Engineering & Management (R1941241)	Vehicle Dynamics (R1941242)	Vehicle Body Engineering (R1941243)	<b>Elective I :</b> CAD/CAM (R194124A)/ Two and Three Wheelers (R194124B)/ Automotive Aerodynamics (R194124C)/ Vehicle Infotronics (R194124D)/ Finite Element Methods (Common to ME & AME) (R1941032)	<b>Elective II :</b> Mechatronics (R194124E)/ Computational Fluid Dynamics (R194124F)/ Condition Monitoring (R194124G)/ Managerial Economics and financial analysis (R194124H)/ Internet of Things (R194124I)	Alternative Energy sources for Automobiles (R1941244)
<b>Mining Engineering (26)</b>	Computer Applications in Mining (R1941261)	Mine Planning and Design (R1941262)	Mine Legislation & General Safety (R1941263)	<b>Elective I:</b> Rocks Slope Engineering (R194126A)/ Mine Subsidence Engineering (R194126B)/ Mine Systems Engineering (R194126C)	.....	.....
<b>Petroleum Engineering (27)</b>	Design of Surface Facilities (R1941271)	Enhanced Oil Recovery Techniques (R1941272)	<b>Elective III :</b> HSE in Petroleum Industry (R194127A)/ Petroleum Engineering Mathematics (R194127B)/ Subsea Engineering (R194127C)	<b>Elective IV:</b> Mathematics of Reservoir Simulation (R194127D)/ Advances in Well Control (R194127E)/ Pipeline Engineering (R194127F)	<b>Elective V :</b> Statistics for Petroleum Engineers and Geoscientists (R194127G)/ Advances in Seismic methods for Hydrocarbon Exploration (R194127H)	.....
<b>Agricultural Engineering (35)</b>	Micro Irrigation Engineering (R1941351)	Post Harvest Engineering for Horticulture Produce (R1941352)	<b>Elective II :</b> Food Packaging Technology (R194135A)/ Watershed Management (R194135B)/ Human Engineering and Safety (R194135C)	<b>Elective III:</b> GIS and Remote Sensing (R194135D)/ Production Technology of Agricultural Machinery (R194135E)/ Food Plant Design and Management (R194135F)	.....	<b>Open Elective :</b> Mechanical Measurements and Instrumentation (R194135G)/ Artificial Intelligence in Agricultural Engineering (R194135H)/ Photovoltaic Technology and Systems (R194135I)

#### NOTE:

- ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS, IMMEDIATELY.
- EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES, THE EXAMINATIONS SHALL BE CONDUCTED AS USUAL.
- THE PRINCIPALS ARE REQUESTED TO INFORM THE UNIVERSITY ANY OTHER SUBSTITUTE SUBJECTS THAT ARE NOT INCLUDED IN THE ABOVE LIST IMMEDIATELY.

DATE: 01-03-2023

*H. R. K. K.*  
Controller of Examinations