

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**

UNIVERSITY EXAMINATION CENTER, KAKINADA

**IV B.TECH - I SEMESTER (R20) ADVANCED SUPPLEMENTARY EXAMINATIONS, APRIL 2026**

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

TIME : 10.00 AM TO 01.00 PM

BRANCH	06.04.2026 (Monday)	07.04.2026 (Tuesday)	08.04.2026 (Wednesday)	09.04.2026 (Thursday)	10.04.2026 (Friday)	13.04.2026 (Monday)	15.04.2026 (Wednesday)	16.04.2026 (Thursday)	17.04.2026 (Friday)
<b>Civil Engineering (01)</b>	Universal Human Values-2: Understanding Harmony (R2041011) (Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, CS, AIML, CSD)	<b>Professional Elective-III</b> : Advanced Structural Engineering (R204101A)/ Bridge Engineering (R204101B)/ Structural Dynamics (R204101C)/ Urban Transportation Planning (R204101D)	<b>Professional Elective-IV</b> : Ground Improvement Techniques (R204101E)/ Geo-Spatial Technologies (R204101F)/ Disaster Management & Mitigation (R204101G)/ Soil dynamics & Machine Foundations (R204101H)	<b>Professional Elective-V</b> : Design & Drawing of Irrigation Structures (R204101I)/ Earth & Rock fill Dams (R204101J)/ Urban Hydrology (R204101K)/ SWAYAM / NPTEL /MOOCS COURSES (12 weeks duration) (R204101L)	<b>Open Elective-III</b> : Strength of Materials (R204101M)/ Fluid Mechanics (R204101N)/ Surveying and Geomatics (R204101O)/ Highway Engineering (R204101P)/ Safety Engineering (R204101Q)/ Environmental Management (R204101R)/ Urban Planning (R204101S)	<b>Open Elective-IV</b> : Elements of Civil Engineering (R204101T)/ Environmental Engineering (R204101U)/ Disaster Management (R204101V)/ Water Resource Engineering (R204101W)/ Hydraulics and Hydraulic Machinery (R204101X)/ Green Technologies (R204101Y)/ Remote Sensing and GIS (R204101Z)	.....	.....	
<b>Electrical &amp; Electronics Engineering (02)</b>	Universal Human Values-2: Understanding Harmony (R2041011) (Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, CS, AIML, CSD)	<b>Professional Elective-III</b> : Digital Signal Processing (R204102A)/ Renewable and Distributed Energy Technologies (R204102B)/ Flexible Alternating Current Transmission Systems (R204102C)/ Power Systems Deregulation (R204102D)/ Data Base Management Systems (R204102E)	<b>Professional Elective-IV</b> : Hybrid Electric Vehicles (R204102F)/ High Voltage Engineering (R204102G)/ Programmable Logic Controllers and Applications (R204102H)	<b>Professional Elective-V</b> : Power System Operation and Control (R204102I)/ Switched Mode Power Conversion (R204102J)/ AI Applications to Electrical Engineering (R204102K)	<b>Open Elective-III</b> : Concepts of Microprocessors and Microcontrollers (R204102L)/ Fundamentals of Electric Vehicles (R204102M)/ Concepts of Internet of Things (R204102N)	<b>Open Elective-IV</b> : Concepts of Power System Engineering (R204102O)/ Concepts of Smart Grid Technologies (R204102P)	Data Science (R204105R) (Common to EEE PE-V & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-3)	Deep Learning Techniques (R204105E) (Common to EEE, CSE, IT, PE-IV & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4) / MEAN Stack Technologies (R204105V) (Common to EEE PE-V & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)	Additive Manufacturing (R204103P) (Common to PE-V & OE-3)

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<b>Mechanical Engineering (03)</b>	Universal Human Values-2: Understanding Harmony (R2041011) (Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, CS, AIML, CSD)	<b>Professional Elective-III : Mechanical</b> Vibrations (R204103A)/ Operations Research (R204103B)/ Unconventional Machining Processes (R204103C)/ Computational Fluid Dynamics (R204103D)/ Gas Dynamics and Jet Propulsion (R204103E)/ MOOCs (NPTEL/Swayam) Course (12 Week duration) (R204103F)	<b>Professional Elective-IV : Automation in Manufacturing</b> (R204103G)/ Power Plant Engineering (R204103H)/ Big Data Analytics (R204103I)/ Production Planning and Control (R204103J)/ Condition Monitoring (R204103K)/ MOOCs (NPTEL/Swayam) Course (12 Week duration) (R204103L)	<b>Professional Elective-V : Advanced Manufacturing Processes</b> (R204103M)/ Refrigeration & Air-Conditioning (R204103O)/ Non Destructive Evaluation (R204103Q)/ MOOCs (NPTEL/Swayam) Course (12 Week duration) (R204103R)	<b>Open Elective-III : Finite Element Methods</b> (R204103S)/ Introduction to Artificial Intelligence & Machine Learning (R204103T)	<b>Open Elective-IV : Optimization Techniques</b> (R204103U)/ Smart Manufacturing (R204103V)/ Safety Engineering (R204103W)/ Operations Management (R204103X)	Mechatronics (R204103N) (Common to PE-V & OE-3)	.....	Additive Manufacturing (R204103P) (Common to PE-V & OE-3)
<b>Electronics &amp; Communication Engineering (04)</b>	Universal Human Values-2: Understanding Harmony (R2041011) (Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, CS, AIML, CSD)	<b>Professional Elective-III : Optical Communication</b> (R204104A)/ Digital Image Processing (R204104B)/ Low Power VLSI Design (R204104C)	<b>Professional Elective-IV : Satellite Communications</b> (R204104D)/ Soft Computing Techniques (R204104E)/ Digital IC Design using CMOS (R204104F)	<b>Professional Elective-V : Radar engineering</b> (R204104G)/ Pattern recognition & Machine Learning (R204104H)/ Internet of Things (R204104I)	<b>Open Elective-III : Basics of Signals and Systems</b> (R204104J)/ Electronic Measurements and Instrumentation (R204104K)/ Principles of Signal Processing (R204104L)/ Industrial Electronics (R204104M)/ Consumer Electronics (R204104N)/ Fundamentals of Microprocessors and Microcontrollers (R204104O)/ Transducers and Sensors (R204104P)/ IOT and Applications (R204104Q)	<b>Open Elective-IV : Soft Computing Techniques</b> (R204104R)/ IC Applications (R204104S) / Principles of Communications (R204104T)/ Basic Electronics (R204104U)/ Data Communications (R204104V)/ Digital Logic design (R204104W)/ Remote Sensing and GIS (R204104X)/ Bio Medical Instrumentation (R204104Y)	.....	.....	.....

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Computer Science & Engineering (05)	Universal Human Values-2: Understanding Harmony (R2041011) (Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, CS, AIML, CSD)	<b>Professional Elective-III</b> : Cloud Computing (R204105A) (Common to CSE, IT) / Neural Networks and Soft Computing (R204105B) / Ad-hoc and Sensor Networks (R204105C) / Cyber Security & Forensics (R204105D) (Common to CSE, IT)	<b>Professional Elective-IV</b> : Computer Vision (R204105G) (Common to CSE, CSE(AIDS), AIDS, CSD) / MOOCS-NPTEL/SWAYAM (R204105H)	<b>Professional Elective-V</b> : Wireless Network Security (R204105J) / Ethical Hacking (R204105K) (Common to CSE, IT) / MOOCS-NPTEL/SWAYAM (R204105L) / Block Chain Technologies (R204105I) (Common to CSE, IT)	<b>Open Elective-III</b> : API and Microservices (Job Oriented Course) (R204105M) / AI Tools & Techniques (R204105N) / Image Processing (R204105O) / Information Security (R204105P) / Mobile Application Development (R204105Q) / Cyber Security (R204105S) / Introduction to Internet of Things (R204105T) (Common to OE-III as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	<b>Open Elective-IV</b> : Secure Coding Techniques (Job Oriented Course) (R204105U) / Block Chain Technologies (R204105X) / Introduction to Machine Learning (R204105Z) / Machine Learning with Python (R2041051) (Common to OE-IV as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	Social Network And Semantic Web (Job Oriented Course) (R204105F) (Common to CSE, PE-IV & CSE(IOTCSIBCT) OE-3) / Data Science (R204105R) (Common to EEE PE-V & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-3)	Deep Learning Techniques (R204105E) (Common to EEE, CSE, IT, PE-IV & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4) / MEAN Stack Technologies (R204105V) / Cloud Computing with AWS (R204105W) (Common to EEE PE-IV & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4) / Cryptography and Network Security (R204105Y) (Common to CSE(AIML), CSE(AI), AIML, CSD PE-III & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)	Unix and Shell Programming (204105MF) / Software Engineering (204105MA) / Matrix Analysis of Structures (204101HB) / Web Security (204105HR) / Smart Grid Technologies (204102HB) / Materials Technology (204103HE) / Signal Analysis (204104MD) / Reinforcement Learning (204142MA) / Medical Image Data Processing (204105HW) / Reinforcement Learning (204105HD) / Service Oriented Architectures (204105HG) / Data Wrangling and Data Science (204144MA) / Privacy & Security MIOT (204149MC)

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Information Technology (12)	<p>Universal Human Values-2: Understanding Harmony (R2041011) (Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, CS, AIML, CSD)</p>	<p><b>Professional Elective-III :</b> Cloud Computing (R204105A) (Common to CSE, IT) / Cyber Security &amp; Forensics (R204105D) (Common to CSE, IT) / Artificial Neural Networks (R204112A) / Internet of Things (IoT) (R204112B)</p>	<p><b>Professional Elective-IV :</b> Advanced Databases (R204112D) / MOOCS- NPTEL/SWAYAM (R204112E) / Social Networks Analysis (R204112C)</p>	<p><b>Professional Elective-V :</b> M-Commerce (R204112F) / Ethical Hacking (R204105K) (Common to CSE, IT) / MOOCS- NPTEL/SWAYAM (R204112G) / Block Chain Technologies (R204105I) (Common to CSE, IT)</p>	<p><b>Open Elective-III :</b> AI Tools &amp; Techniques (R204105N) / Image Processing (R204105O) / Information Security (R204105P) / Mobile Application Development (R204105Q) / Cyber Security (R204105S) / Introduction to Internet of Things (R204105T) (Common to OE-III as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</p>	<p><b>Open Elective-IV :</b> Block Chain Technologies (R204105X) / Introduction to Machine Learning (R204105Z) / Machine Learning with Python (R2041051) (Common to OE-IV as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</p>	<p>Data Science (R204105R) (Common to EEE PE-V &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-3)</p>	<p>Deep Learning Techniques (R204105E) (Common to EEE, CSE, IT, PE-IV &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4) / MEAN Stack Technologies (R204105V) / Cloud Computing with AWS (R204105W) (Common to EEE PE-IV &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4) / Cryptography and Network Security (R204105Y) (Common to CSE(AIML), CSE(AI), AIML, CSD PE-III &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</p>	0
Automobile Engineering (24)	<p>Universal Human Values-2: Understanding Harmony (R2041011) (Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, CS, AIML, CSD)</p>	<p><b>Professional Elective-III :</b> Automobile HVAC (R204124B) / Special Purpose Vehicles (R204124C) / Vehicle Infotronics (R204124E) / MOOC' s/NPTEL (R204124F)</p>	<p><b>Professional Elective-IV :</b> Automobile Certification and Homologation (R204124G) / Total Quality Management (R204124H) / Electric Vehicles and Hybrid Technology (R204124I) / Facilities Planning and Material Handling (R204124J) / Rapid Prototyping (R204124K) / MOOC' s/NPTEL (R204124L)</p>	<p><b>Professional Elective-V :</b> Automobile Comfort Systems And Ergonomics (R204124M) / Lean Manufacturing (R204124N) / Vehicle Design Data Characteristics (R204124O) / Reliability Engineering (R204124P) / Smart, Autonomous and Connected Vehicles (R204124Q) / MOOC' s/NPTEL (R204124R)</p>	<p><b>Open Elective-III :</b> Automobile Power train (R204124S) / IC Engines (R204124T)</p>	<p><b>Open Elective-IV :</b> Automobile Materials and Manufacturing Techniques (R204124U) / Automobile Electrical and Electronics (R204124V)</p>	<p>Automobile Safety (R204124A) (Common to PE-III &amp; OE-3)</p>	<p>Engine Management Systems (R204124D) (Common to PE-III &amp; OE-4)</p>	

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<b>Mining Engineering (26)</b>	Universal Human Values-2: Understanding Harmony <b>(R2041011)</b> ( <i>Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, CS, AIML, CSD)</i> )	<b>Professional Elective-III</b> : Operations Research <b>(R204126A)</b> / Dimensional Stone Mining <b>(R204126B)</b> / Advanced Mining Techniques <b>(R204126C)</b> / Planning of Underground Metal mining techniques <b>(R204126D)</b>	<b>Professional Elective-IV</b> : Mine closure and Reclamation <b>(R204126E)</b> / Surface Mine Environment <b>(R204126F)</b> / Mineral Economics, Business and Trade <b>(R204126H)</b>	<b>Professional Elective-V</b> : Subsidence Engineering <b>(R204126I)</b> / Rock Slope Engineering <b>(R204126J)</b> / Advances in Rock Fragmentation <b>(R204126K)</b> / Tunneling and Underground Space Technology <b>(R204126L)</b>	<b>Open Elective-III</b> : Mine Waste Management <b>(R204126M)</b> / Mine Reclamation <b>(R204126N)</b> / Environmental Impact of Mining <b>(R204126O)</b>	<b>Open Elective-IV</b> : Principles of Mineral Engineering <b>(R204126P)</b> / Mine Instrumentation <b>(R204126Q)</b> / Mine Safety & Ergonomics <b>(R204126R)</b> / Numerical Methods in Mining Engineering <b>(R204126S)</b>	Sustainable Development for Mining <b>(R204126G)</b> ( <i>Common to PE-IV &amp; OE-3</i> )	.....	
<b>Agricultural Engineering (35)</b>	Universal Human Values-2: Understanding Harmony <b>(R2041011)</b> ( <i>Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, CS, AIML, CSD)</i> )	<b>Professional Elective-III</b> : Irrigation and Drainage Engineering <b>(R204135A)</b> / Production Technology of Agricultural Machinery <b>(R204135B)</b> / Food Plant Design and Management <b>(R204135C)</b>	<b>Professional Elective-IV</b> : Design of Soil and Water Conservation and Farm Systems <b>(R204135D)</b> / Food Process Equipment Design <b>(R204135E)</b> / Design of Agricultural Machinery <b>(R204135F)</b>	<b>Professional Elective-V</b> : Micro Irrigation Engineering <b>(R204135G)</b> / Mechatronics in Agricultural Engineering <b>(R204135H)</b> / Dairy and Food Engineering <b>(R204135I)</b>	<b>Open Elective-III</b> : Principles of Soil Science and Agronomy <b>(R204135J)</b> / Farm Power and Tractor Systems <b>(R204135K)</b> / Soil and Water Conservation Engineering <b>(R204135L)</b> / Ground Water Hydrology, Wells and Pumps <b>(R204135M)</b>	<b>Open Elective-IV</b> : Surface Water Hydrology <b>(R204135N)</b> / Post Harvest Engineering of Cereals, Pulses and Oilseeds <b>(R204135O)</b> / Agricultural Process Engineering <b>(R204135P)</b>	.....	.....	

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<b>CSE (Artificial Intelligence and Machine Learning) (42)</b>	Universal Human Values-2: Understanding Harmony (R2041011) (Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, CS, AIML, CSD)	<b>Professional Elective-III</b> : Reinforcement Learning (R204142A)/ Soft Computing (R204142B)/ Speech Processing (R204142C)/ Block Chain Technologies (R204142P) (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	<b>Professional Elective-IV</b> : Robotic Process Automation (R204142D)/ Big Data Analytics (R204142E) (Common to CSE(AIML), CSE(AI), AIML, PE-IV & CSE(CS), CS PE-V & OE-3) / NOSQL Databases (R204142F)/ Video Analytics (R204142G)/ Cloud Computing (R204142O) (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	<b>Professional Elective-V</b> : Recommender Systems (R204142H)/ AI Chatbots (R204142I)/ Object Oriented Analysis and Design (R204142J)/ Semantic Web (R204142K) / Social Networks Analysis (R204142Q) (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	<b>Open Elective-III</b> : API and Microservices (Job Oriented Course) (R204105M)/ AI Tools & Techniques (R204105N)/ Image Processing (R204105O)/ Information Security (R204105P)/ Mobile Application Development (R204105Q)/ Cyber Security (R204105S)/ Introduction to Internet of Things (R204105T) (Common to OE-III as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	<b>Open Elective-IV</b> : Secure Coding Techniques (Job Oriented Course) (R204105U)/ Block Chain Technologies (R204105X)/ Introduction to Machine Learning (R204105Z)/ Machine Learning with Python (R2041051) (Common to OE-IV as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	Data Science (R204105R) (Common to EEE PE-V & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-3)	Deep Learning Techniques (R204105E) (Common to EEE, CSE, IT, PE-IV & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4) / MEAN Stack Technologies (R204105V) / Cloud Computing with AWS (R204105W) (Common to EEE PE-IV & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)/ Cryptography and Network Security (R204105Y) (Common to CSE(AIML), CSE(AI), AIML, CSD PE-III & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)	

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<b>CSE (Artificial Intelligence) (43)</b>	<p>Universal Human Values-2: Understanding Harmony <b>(R2041011)</b> (<i>Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, CS, AIML, CSD)</i>)</p>	<p><b>Professional Elective-III</b> : Reinforcement Learning <b>(R204142A)</b>/ Soft Computing <b>(R204142B)</b>/ Speech Processing <b>(R204142C)</b>/ Block Chain Technologies <b>(R204142P)</b> (<i>Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>)</p>	<p><b>Professional Elective-IV</b> : Robotic Process Automation <b>(R204142D)</b>/ Big Data Analytics <b>(R204142E)</b> (<i>Common to CSE(AIML), CSE(AI), AIML, PE-IV &amp; CSE(CS), CS PE-V &amp; OE-3</i>) / NOSQL Databases <b>(R204142F)</b>/ Video Analytics <b>(R204142G)</b>/ Cloud Computing <b>(R204142O)</b> (<i>Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>)</p>	<p><b>Professional Elective-V</b> : Recommender Systems <b>(R204142H)</b>/ AI Chatbots <b>(R204142I)</b>/ Object Oriented Analysis and Design <b>(R204142J)</b>/ Semantic Web <b>(R204142K)</b> / Social Networks Analysis <b>(R204142Q)</b> (<i>Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>)</p>	<p><b>Open Elective-III</b> : API and Microservices (Job Oriented Course) <b>(R204105M)</b>/ AI Tools &amp; Techniques <b>(R204105N)</b>/ Image Processing <b>(R204105O)</b>/ Information Security <b>(R204105P)</b>/ Mobile Application Development <b>(R204105Q)</b>/ Cyber Security <b>(R204105S)</b>/ Introduction to Internet of Things <b>(R204105T)</b> (<i>Common to OE-III as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>)</p>	<p><b>Open Elective-IV</b> : Secure Coding Techniques (Job Oriented Course) <b>(R204105U)</b>/ Block Chain Technologies <b>(R204105X)</b>/ Introduction to Machine Learning <b>(R204105Z)</b>/ Machine Learning with Python <b>(R2041051)</b> (<i>Common to OE-IV as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>)</p>	<p>Data Science <b>(R204105R)</b> (<i>Common to EEE PE-V &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-3)</i>)</p>	<p>Deep Learning Techniques <b>(R204105E)</b> (<i>Common to EEE, CSE, IT, PE-IV &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4</i>) / MEAN Stack Technologies <b>(R204105V)</b> / Cloud Computing with AWS <b>(R204105W)</b> (<i>Common to EEE PE-IV &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4</i>) / Cryptography and Network Security <b>(R204105Y)</b> (<i>Common to CSE(AIML), CSE(AI), AIML, CSD PE-III &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4</i>)</p>	

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**

UNIVERSITY EXAMINATION CENTER, KAKINADA

**IV B.TECH - I SEMESTER (R20) ADVANCED SUPPLEMENTARY EXAMINATIONS, APRIL 2026**

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

TIME : 10.00 AM TO 01.00 PM

BRANCH	06.04.2026 (Monday)	07.04.2026 (Tuesday)	08.04.2026 (Wednesday)	09.04.2026 (Thursday)	10.04.2026 (Friday)	13.04.2026 (Monday)	15.04.2026 (Wednesday)	16.04.2026 (Thursday)	17.04.2026 (Friday)
CSE (Data Science) (44)	Universal Human Values-2: Understanding Harmony (R2041011) (Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, CS, AIML, CSD)	<b>Professional Elective-III</b> : Reinforcement Learning (R204142A)/ Nature Inspired Computing Techniques (R204144A)/ Social Media Analytics (R204144B)/ Block Chain Technologies (R204142P) (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	<b>Professional Elective-IV</b> : SnowFlake Cloud Analytics (R204144C)/ Information Retrieval Systems (R204144D)/ NOSQL Databases (R204142F) / Cloud Computing (R204142O) (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	<b>Professional Elective-V</b> : Recommender Systems (R204142H)/ AI Chatbots (R204142I)/ Data Visualization (R204144E)/ Social Networks Analysis (R204142Q) (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	<b>Open Elective-III</b> : API and Microservices (Job Oriented Course) (R204105M)/ AI Tools & Techniques (R204105N)/ Image Processing (R204105O)/ Information Security (R204105P)/ Mobile Application Development (R204105Q)/ Cyber Security (R204105S)/ Introduction to Internet of Things (R204105T) (Common to OE-III as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	<b>Open Elective-IV</b> : Secure Coding Techniques (Job Oriented Course) (R204105U)/ Block Chain Technologies (R204105X)/ Introduction to Machine Learning (R204105Z)/ Machine Learning with Python (R2041051) (Common to OE-IV as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	Data Science (R204105R) (Common to EEE PE-V & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-3)	Deep Learning Techniques (R204105E) (Common to EEE, CSE, IT, PE-IV & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4) / MEAN Stack Technologies (R204105V) / Cloud Computing with AWS (R204105W) (Common to EEE PE-IV & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)/ Cryptography and Network Security (R204105Y) (Common to CSE(AIML), CSE(AI), AIML, CSD PE-III & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)	

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**

UNIVERSITY EXAMINATION CENTER, KAKINADA

**IV B.TECH - I SEMESTER (R20) ADVANCED SUPPLEMENTARY EXAMINATIONS, APRIL 2026**

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<b>BRANCH</b>	<b>06.04.2026 (Monday)</b>	<b>07.04.2026 (Tuesday)</b>	<b>08.04.2026 (Wednesday)</b>	<b>09.04.2026 (Thursday)</b>	<b>10.04.2026 (Friday)</b>	<b>13.04.2026 (Monday)</b>	<b>15.04.2026 (Wednesday)</b>	<b>16.04.2026 (Thursday)</b>	<b>17.04.2026 (Friday)</b>
<b>CSE (Artificial Intelligence and Data Science) (45)</b>	Universal Human Values-2: Understanding Harmony <b>(R2041011)</b> (Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, CS, AIML, CSD)	<b>Professional Elective-III</b> : Reinforcement Learning <b>(R204142A)</b> / Nature Inspired Computing Techniques <b>(R204144A)</b> / Social Media Analytics <b>(R204144B)</b> / Block Chain Technologies <b>(R204142P)</b> (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	<b>Professional Elective-IV</b> : Computer Vision <b>(R204105G)</b> (Common to CSE, CSE(AIDS), AIDS, CSD)/ Information Retrieval Systems <b>(R204144D)</b> / NOSQL Databases <b>(R204142F)</b> / Cloud Computing <b>(R204142O)</b> (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	<b>Professional Elective-V</b> : Recommender Systems <b>(R204142H)</b> / AI Chatbots <b>(R204142I)</b> / Data Visualization <b>(R204144E)</b> / Social Networks Analysis <b>(R204142Q)</b> (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	<b>Open Elective-III</b> : API and Microservices (Job Oriented Course) <b>(R204105M)</b> / AI Tools & Techniques <b>(R204105N)</b> / Image Processing <b>(R204105O)</b> / Information Security <b>(R204105P)</b> / Mobile Application Development <b>(R204105Q)</b> / Cyber Security <b>(R204105S)</b> / Introduction to Internet of Things <b>(R204105T)</b> (Common to OE-III as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	<b>Open Elective-IV</b> : Secure Coding Techniques (Job Oriented Course) <b>(R204105U)</b> / Block Chain Technologies <b>(R204105X)</b> / Introduction to Machine Learning <b>(R204105Z)</b> / Machine Learning with Python <b>(R2041051)</b> (Common to OE-IV as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	Data Science <b>(R204105R)</b> (Common to EEE PE-V & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-3)	Deep Learning Techniques <b>(R204105E)</b> (Common to EEE, CSE, IT, PE-IV & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4) / MEAN Stack Technologies <b>(R204105V)</b> / Cloud Computing with AWS <b>(R204105W)</b> (Common to EEE PE-IV & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4) / Cryptography and Network Security <b>(R204105Y)</b> (Common to CSE(AIML), CSE(AI), AIML, CSD PE-III & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)	

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**

UNIVERSITY EXAMINATION CENTER, KAKINADA

**IV B.TECH - I SEMESTER (R20) ADVANCED SUPPLEMENTARY EXAMINATIONS, APRIL 2026**

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<b>CSE (Cyber Security) (46)</b>	Universal Human Values-2: Understanding Harmony (R2041011) (Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, CS, AIML, CSD)	<b>Professional Elective-III</b> : Internet Of Things (R204146A)/ Information Coding Techniques (R204146D) / Mobile and Wireless Security (R204146E) (Common to CSE(CS), CS)	<b>Professional Elective-IV</b> : Ad-hoc and Sensor Networks (R204146R) / Big Data Analytics (R204142E) (Common to CSE(AIML), CSE(AI), AIML, PE-IV & CSE(CS), CS PE-V & OE-3) / Cyber Crime Investigation and Digital Forensics (R204146F) (Common to CSE(CS), CS PE-IV, OE-4 & CSE(IOTCSIBCT) PE-IV)	<b>Professional Elective-V</b> : Cyber Laws and Security Policies (R204146J)/ Intrusion Detection and Prevention System (R204146K)/ Data Privacy (R204146L)/ Ethical Hacking (R204146M)	<b>Open Elective-III</b> : DevOps (Job Oriented Course) (R204146N)/ Cryptography and Network Security (R204146O)	<b>Open Elective-IV</b> : Multimedia And Rich Internet Applications (Job Oriented Course) (R204146P)	Data Science (R204146B) (Common to PE-III & OE-3 CSE(CS), CSE(IOTCSIBCT), CSE(IoT) CS)	Distributed Systems (R204146C) (Common to CSE(CS), CS PE-III & OE-4) / Mean Stack Technologies (R204146H) (Common to CSE(IoT), CSE(CS), CSE(IOTCSIBCT) PE-IV & CSE(IoT) OE-4) / Malware Analysis & Reverse Engineering (R204146I) (Common to CSE(CS), CSE(IOTCSIBCT) PE-IV & CSE(CS) OE-4) / Machine Learning (R204146Q) (Common to CSE(IOTCSIBCT) PE-V & CSE(CS), CSE(IOTCSIBCT), CSE(IoT) OE-4)	Cloud Computing (R204146G) (Common to CSE(CS) PE-IV, OE-3 & CSE(IoT) PE-IV)

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**

UNIVERSITY EXAMINATION CENTER, KAKINADA

**IV B.TECH - I SEMESTER (R20) ADVANCED SUPPLEMENTARY EXAMINATIONS, APRIL 2026**

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<b>CSE (Internet of things and Cyber security including Block chain Technology) (47)</b>	Universal Human Values-2: Understanding Harmony <b>(R2041011) (Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, CS, AIML, CSD)</b>	<b>Professional Elective- III : Software Testing Methodologies (R204147A)/ NoSQL Databases (R204147B)/ Privacy and Security in IOT (R204147C)/ Cloud Computing (R204147Q)</b>	<b>Professional Elective- IV : Object Oriented Analysis &amp; Design Using UML (R204147D)/ Intrusion Detection Systems (R204147E) / Cyber Crime Investigation and Digital Forensics (R204146F) (Common to CSE(CS), CS PE-IV , OE-4 &amp; CSE(IOTCSIBCT) PE- IV)</b>	<b>Professional Elective-V : Deep Learning (R204147F)/ Quantum Computing (R204147G)/ Dev Ops (R204147H)/ Mobile and Wireless Security (R204147P)</b>	<b>Open Elective-III : Sensors and Actuator Devices for IoT (R204147J)/ Cryptography and Network Security (R204146O)</b>	<b>Open Elective-IV : Multimedia And Rich Internet Applications (Job Oriented Course) (R204146P)/ Distributed Computing (R204147M)</b>	<b>Social Network And Semantic Web (Job Oriented Course) (R204105F) (Common to CSE, PE-IV &amp; CSE(IOTCSIBCT) OE- 3) / Data Science (R204146B) (Common to PE-III &amp; OE-3 CSE(CS), CSE(IOTCSIBCT), CSE(IoT) / Big Data Analytics for IoT (R204147I) (Common to CSE(IoT) PE-IV &amp; CSE(IOTCSIBCT), CSE(IoT) OE-3)</b>	Mean Stack Technologies <b>(R204146H) (Common to CSE(IoT), CSE(CS), CSE(IOTCSIBCT) PE- IV &amp; CSE(IoT) OE-4) / Malware Analysis &amp; Reverse Engineering (R204146I) (Common to CSE(CS), CSE(IOTCSIBCT) PE- IV &amp; CSE(CS) OE-4) /Machine Learning (R204146Q) (Common to CSE(IOTCSIBCT) PE-V &amp; CSE(CS), CSE(IOTCSI BCT), CSE(IoT) OE- 4) / Programming and Interfacing with Microcontrollers (R204147K) (Common to CSE(IoT) PE-III &amp; CSE(IOTCSIBCT), CSE(IoT) OE-4) / Block Chain Technologies (R204147L) (Common to CSE(IoT) PE-III &amp; CSE(IOTCSIBCT), CSE(IoT) OE-4)</b>	

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**

UNIVERSITY EXAMINATION CENTER, KAKINADA

**IV B.TECH - I SEMESTER (R20) ADVANCED SUPPLEMENTARY EXAMINATIONS, APRIL 2026**

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<b>CSE (Internet of Things) (49)</b>	Universal Human Values-2: Understanding Harmony <b>(R2041011)</b> (Common to CE, EEE, ME, ECE, CSE, IT, AME, MIE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, CS, AIML, CSD)	<b>Professional Elective-III</b> : Mobile Computing <b>(R204149A)</b> / No SQL Databases <b>(R204147B)</b> / Privacy and Security in IOT <b>(R204147C)</b>	<b>Professional Elective-IV</b> : Fog Computing <b>(R204149B)</b> Cyber Security & Forensics <b>(R204149H)</b>	<b>Professional Elective-V</b> : Deep Learning <b>(R204147F)</b> / Wearable Computing <b>(R204149C)</b> / Dev Ops <b>(R204147H)</b> / Software Testing Methodologies <b>(R204149I)</b>	<b>Open Elective-III</b> : Middleware Technologies (Job Oriented Course) <b>(R204149D)</b> / Sensors and Actuator Devices for IoT <b>(R204147J)</b> / Embedded System Design <b>(R204149E)</b>	<b>Open Elective-IV</b> : Multimedia And Rich Internet Applications <b>(R204146P)</b> / Cryptography and Network Security <b>(R204149J)</b>	<b>Data Science (R204146B)</b> (Common to PE-III & OE-3 CSE(CS), CSE(IOTCSIBCT), CSE(IoT) /Big Data Analytics for IoT <b>(R204147I)</b> (Common to CSE(IoT) PE-IV & CSE(IOTCSIBCT), CSE(IoT) OE-3)	Mean Stack Technologies <b>(R204146H)</b> (Common to CSE(IoT), CSE(CS), CSE(IOTCSIBCT) PE-IV & CSE(IoT) OE-4) /Machine Learning <b>(R204146Q)</b> (Common to CSE(IOTCSIBCT) PE-V & CSE(CS), CSE(IOTCSIBCT), CSE(IoT) OE-4) / Programming and Interfacing with Microcontrollers <b>(R204147K)</b> (Common to CSE(IoT) PE-III & CSE(IOTCSIBCT), CSE(IoT) OE-4) / Block Chain Technologies <b>(R204147L)</b> (Common to CSE(IoT) PE-III & CSE(IOTCSIBCT), CSE(IoT) OE-4)	Cloud Computing <b>(R204146G)</b> (Common to CSE(CS) PE-IV, OE-3 & CSE(IoT) PE-IV)

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**

UNIVERSITY EXAMINATION CENTER, KAKINADA

**IV B.TECH - I SEMESTER (R20) ADVANCED SUPPLEMENTARY EXAMINATIONS, APRIL 2026**

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<b>ARTIFICIAL INTELLIGENCE AND DATA SCIENCE (54)</b>	Universal Human Values-2: Understanding Harmony (R2041011) (Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, CS, AIML, CSD)	<b>Professional Elective-III</b> : Reinforcement Learning (R204142A)/ Nature Inspired Computing Techniques (R204144A)/ Social Media Analytics (R204144B)/ Block Chain Technologies (R204142P) (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	<b>Professional Elective-IV</b> : Computer Vision (R204105G) (Common to CSE, CSE(AIDS), AIDS, CSD)/ Information Retrieval Systems (R204144D)/ NOSQL Databases (R204142F) / Cloud Computing (R204142Q) (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	<b>Professional Elective-V</b> : Recommender Systems (R204142H)/ AI Chatbots (R204142I)/ Data Visualization (R204144E)/ Social Networks Analysis (R204142Q) (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	<b>Open Elective-III</b> : API and Microservices (Job Oriented Course) (R204105M)/ AI Tools & Techniques (R204105N)/ Image Processing (R204105O)/ Information Security (R204105P)/ Mobile Application Development (R204105Q)/ Cyber Security (R204105S)/ Introduction to Internet of Things (R204105T) (Common to OE-III as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	<b>Open Elective-IV</b> : Secure Coding Techniques (Job Oriented Course) (R204105U)/ Block Chain Technologies (R204105X)/ Introduction to Machine Learning (R204105Z)/ Machine Learning with Python (R2041051) (Common to OE-IV as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	Data Science (R204105R) (Common to EEE PE-V & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-3)	Deep Learning Techniques (R204105E) (Common to EEE, CSE, IT, PE-IV & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4) / MEAN Stack Technologies (R204105V) / Cloud Computing with AWS (R204105W) (Common to EEE PE-IV & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)/ Cryptography and Network Security (R204105Y) (Common to CSE(AIML), CSE(AI), AIML, CSD PE-III & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)	.....
<b>PHARMACEUTICAL ENGINEERING (55)</b>	Industrial Pharmacy (R204155A)	<b>Professional Elective-III</b> : Bio Medical Instrumentation (R204155B)/ Pharmaceutical product development (R204155C)/ Industrial Process Control (R204155D)	<b>Professional Elective-IV</b> : Pharmaceutical Packaging Technology (R204155E)/ Introduction to Biomaterials and Tissue Engineering (R204155F)/ Good Manufacturing Practices (R204155G)	.....	<b>Open Elective-III</b> : Robotics (R204155H)/ Synthesis And Characterization of Nano Materials (R204155I)/ Industrial Psychology and Human Resource Management (R204155J)	<b>Open Elective-IV</b> : Principles of mechanical measurements (R204155K)/ Artificial Intelligence & Machine Learning (R204155L)/ Bioinformatics (R204155M)	.....	.....	.....

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**

UNIVERSITY EXAMINATION CENTER, KAKINADA

**IV B.TECH - I SEMESTER (R20) ADVANCED SUPPLEMENTARY EXAMINATIONS, APRIL 2026**

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<b>CYBER SECURITY (59)</b>	<p>Universal Human Values-2: Understanding Harmony (R2041011) (Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, CS, AIML, CSD)</p>	<p><b>Professional Elective-III</b> : Internet Of Things (R204146A)/ Information Coding Techniques (R204146D) / Mobile and Wireless Security (R204146E) (Common to CSE(CS), CS)</p>	<p><b>Professional Elective-IV</b> : Ad-hoc and Sensor Networks (R204146R) / Big Data Analytics (R204142E) (Common to CSE(AIML), CSE(AI), AIML, PE-IV &amp; CSE (CS), CS PE-V &amp; OE-3) / Cyber Crime Investigation and Digital Forensics (R204146F) (Common to CSE(CS), CS PE-IV, OE-4 &amp; CSE(IOTCSIBCT) PE-IV)</p>	<p><b>Professional Elective-V</b> : Cyber Laws and Security Policies (R204146J)/ Intrusion Detection and Prevention System (R204146K)/ Data Privacy (R204146L)/ Ethical Hacking (R204146M)</p>	<p><b>Open Elective-III</b> : DevOps (Job Oriented Course) (R204146N)/ Cryptography and Network Security (R204146O)</p>	<p><b>Open Elective-IV</b> : Multimedia And Rich Internet Applications (Job Oriented Course) (R204146P)</p>	<p>Data Science (R204146B) (Common to PE-III &amp; OE-3 CSE(CS), CSE(IOTCSIBCT), CSE(IoT) CS)</p>	<p>Distributed Systems (R204146C) (Common to CSE(CS), CS PE-III &amp; OE-4) / Mean Stack Technologies (R204146H) (Common to CSE(IoT), CSE(CS), CSE(IOTCSIBCT) PE-IV &amp; CSE(IoT) OE-4) / Malware Analysis &amp; Reverse Engineering (R204146I) (Common to CSE(CS), CSE(IOTCSIBCT) PE-IV &amp; CSE(CS) OE-4) / Machine Learning (R204146Q) (Common to CSE(IOTCSIBCT) PE-V &amp; CSE(CS), CSE(IOTCSIBCT), CSE(IoT) OE-4)</p>	<p>Cloud Computing (R204146G) (Common to CSE(CS) PE-IV, OE-3 &amp; CSE(IoT) PE-IV)</p>

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**

UNIVERSITY EXAMINATION CENTER, KAKINADA

**IV B.TECH - I SEMESTER (R20) ADVANCED SUPPLEMENTARY EXAMINATIONS, APRIL 2026**

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

TIME : 10.00 AM TO 01.00 PM

<b>BRANCH</b>	<b>06.04.2026 (Monday)</b>	<b>07.04.2026 (Tuesday)</b>	<b>08.04.2026 (Wednesday)</b>	<b>09.04.2026 (Thursday)</b>	<b>10.04.2026 (Friday)</b>	<b>13.04.2026 (Monday)</b>	<b>15.04.2026 (Wednesday)</b>	<b>16.04.2026 (Thursday)</b>	<b>17.04.2026 (Friday)</b>
<b>ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING (61)</b>	<p>Universal Human Values-2: Understanding Harmony (R2041011) (Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, CS, AIML, CSD)</p>	<p><b>Professional Elective-III</b> : Reinforcement Learning (R204142A)/ Soft Computing (R204142B)/ Speech Processing (R204142C)/ Block Chain Technologies (R204142P) (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</p>	<p><b>Professional Elective-IV</b> : Robotic Process Automation (R204142D)/ Big Data Analytics (R204142E) (Common to CSE(AIML), CSE(AI), AIML, PE-IV &amp; CSE (CS), CS PE-V &amp; OE-3) / NOSQL Databases (R204142F)/ Video Analytics (R204142G)/ Cloud Computing (R204142O) (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</p>	<p><b>Professional Elective-V</b> : Recommender Systems (R204142H)/ AI Chatbots (R204142I)/ Object Oriented Analysis and Design (R204142J)/ Semantic Web (R204142K) / Social Networks Analysis (R204142Q) (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</p>	<p><b>Open Elective-III</b> : API and Microservices (Job Oriented Course) (R204105M)/ AI Tools &amp; Techniques (R204105N)/ Image Processing (R204105O)/ Information Security (R204105P)/ Mobile Application Development (R204105Q)/ Cyber Security (R204105S)/ Introduction to Internet of Things (R204105T) (Common to OE-III as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</p>	<p><b>Open Elective-IV</b> : Secure Coding Techniques (Job Oriented Course) (R204105U)/ Block Chain Technologies (R204105X)/ Introduction to Machine Learning (R204105Z)/ Machine Learning with Python (R2041051) (Common to OE-IV as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</p>	<p>Data Science (R204105R) (Common to EEE PE-V &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-3)</p>	<p>Deep Learning Techniques (R204105E) (Common to EEE, CSE, IT, PE-IV &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4) / MEAN Stack Technologies (R204105V) / Cloud Computing with AWS (R204105W) (Common to EEE PE-IV &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)/ Cryptography and Network Security (R204105Y) (Common to CSE(AIML), CSE(AI), AIML, CSD PE-III &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</p>	

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**

UNIVERSITY EXAMINATION CENTER, KAKINADA

**IV B.TECH - I SEMESTER (R20) ADVANCED SUPPLEMENTARY EXAMINATIONS, APRIL 2026**

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

TIME : 10.00 AM TO 01.00 PM

BRANCH	06.04.2026 (Monday)	07.04.2026 (Tuesday)	08.04.2026 (Wednesday)	09.04.2026 (Thursday)	10.04.2026 (Friday)	13.04.2026 (Monday)	15.04.2026 (Wednesday)	16.04.2026 (Thursday)	17.04.2026 (Friday)
<b>COMPUTER SCIENCE AND DESIGN (62)</b>	Universal Human Values-2: Understanding Harmony (R2041011) (Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, CS, AIML, CSD)	<b>Professional Elective-III</b> : Reinforcement Learning (R204142A)/ Nature Inspired Computing Techniques (R204144A)/ Block Chain Technologies (R204142P) (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	<b>Professional Elective-IV</b> : Robotic Process Automation (R204142D)/ Computer Vision (R204105G) (Common to CSE, CSE(AIDS), AIDS, CSD) / NOSQL Databases (R204142F) / Cloud Computing (R204142O) (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	<b>Professional Elective-V</b> : Recommender Systems (R204142H)/ AI Chatbots (R204142I)/ Data Visualization (R204144E)/ Social Networks Analysis (R204142Q) (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	<b>Open Elective-III</b> : API and Microservices (Job Oriented Course) (R204105M)/ AI Tools & Techniques (R204105N)/ Image Processing (R204105O)/ Information Security (R204105P)/ Mobile Application Development (R204105Q)/ Cyber Security (R204105S)/ Introduction to Internet of Things (R204105T) (Common to OE-III as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	<b>Open Elective-IV</b> : Secure Coding Techniques (Job Oriented Course) (R204105U)/ Block Chain Technologies (R204105X)/ Introduction to Machine Learning (R204105Z)/ Machine Learning with Python (R2041051) (Common to OE-IV as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	Data Science (R204105R) (Common to EEE PE-V & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-3)	Deep Learning Techniques (R204105E) (Common to EEE, CSE, IT, PE-IV & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4) / MEAN Stack Technologies (R204105V) / Cloud Computing with AWS (R204105W) (Common to EEE PE-IV & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4) / Cryptography and Network Security (R204105Y) (Common to CSE(AIML), CSE(AI), AIML, CSD PE-III & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)	

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

**Sd/-  
Controller of Examinations**

**DATE: 25.03.2026**



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**

UNIVERSITY EXAMINATION CENTER, KAKINADA

**IV B.TECH - I SEMESTER (R19) ADVANCED SUPPLEMENTARY EXAMINATIONS, APRIL 2026**

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

**TIME : 10.00 AM TO 01.00 PM**

<b>Branch</b>	<b>06.04.2026 (Monday)</b>	<b>07.04.2026 (Tuesday)</b>	<b>08.04.2026 (Wednesday)</b>	<b>09.04.2026 (Thursday)</b>	<b>10.04.2026 (Friday)</b>	<b>13.04.2026 (Monday)</b>
<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)



# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

## IV B.TECH - I SEMESTER (R19) ADVANCED SUPPLEMENTARY EXAMINATIONS, APRIL 2026

### TIME TABLE

TIME : 10.00 AM TO 01.00 PM

Branch	06.04.2026 (Monday)	07.04.2026 (Tuesday)	08.04.2026 (Wednesday)	09.04.2026 (Thursday)	10.04.2026 (Friday)	13.04.2026 (Monday)
<b>Electronics &amp; Communication Engineering (04)</b>	Microwave and Optical Communication Engineering (R1941041)	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) (R1941051)	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) (R1941051)	Machine Learning (Common to CSE & IT) (R1941053)	Advanced Computer Networks (R1941121)	<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)
<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)



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**

UNIVERSITY EXAMINATION CENTER, KAKINADA

**IV B.TECH - I SEMESTER (R19) ADVANCED SUPPLEMENTARY EXAMINATIONS, APRIL 2026**

**TIME TABLE**

**TIME : 10.00 AM TO 01.00 PM**

<b>Branch</b>	<b>06.04.2026 (Monday)</b>	<b>07.04.2026 (Tuesday)</b>	<b>08.04.2026 (Wednesday)</b>	<b>09.04.2026 (Thursday)</b>	<b>10.04.2026 (Friday)</b>	<b>13.04.2026 (Monday)</b>
<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)

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**Sd/-**

**Controller of Examinations**

**DATE: 25.03.2026**



# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

## IV B.TECH - I SEMESTER (R16) ADVANCED SUPPLEMENTARY EXAMINATIONS, APRIL - 2026

### T I M E T A B L E

TIME : 10.00 AM TO 01.00 PM

Branch	06.04.2026 (Monday)	07.04.2026 (Tuesday)	08.04.2026 (Wednesday)	09.04.2026 (Thursday)	10.04.2026 (Friday)	13.04.2026 (Monday)	15.04.2026 (Wednesday)
<b>Civil Engineering (01)</b>	Environmental Engineering – II (R1641011)	Water Resource Engineering - II (R1641012)	Geotechnical Engineering - II (R1641013)	Remote sensing and GIS Applications (R1641014)	<b>Elective-I</b> : Finite Element Methods (R164101A)/Ground Improve Techniques (R164101B)/Air Pollution and Control (R164101C)/Urban Hydrology (R164101D)/Traffic Engineering (R164101E)	<b>Elective-II</b> : Advanced Structural Engineering (R164101F)/Advanced Foundation Engineering (R164101G)/Environmental Impact Assessment & Management (R164101H)/Ground Water Development (R164101I)/Pavement Analysis and Design (R164101J)	....
<b>Electrical &amp; Electronics Engineering (02)</b>	Utilization of Electrical Energy (R1641021)	Linear IC Application (R1641022)	Power Systems Operation & Control (R1641023)	Switch Gear and Protection (R1641024)	<b>Elective-I</b> : Electrical Machine Modeling Analysis (R164102A)/Advanced Control Systems (R164102B)/Programmable Logic Control & Applications (R164102C)/Instrumentation (R164102D)	<b>Elective-II</b> : Optimization Techniques (R164102E)/Electric Power Quality (R164102F)/Special Electrical Machines (R164102G)	....
<b>Mechanical Engineering (03)</b>	Mechatronics (R1641031)	CAD/CAM (Common to ME & AME) (R1641032)	Finite Element Methods (Common to ME & AME) (R1641033)	Power Plant Engineering (R1641034)	<b>Elective-I</b> : Computational Fluid Dynamics (Common to ME , AME & AE) (R164103A)/Condition Monitoring (Common to ME & AME) (R164103B)/Additive Manufacturing (R164103C)	<b>Elective-II</b> : Advanced Materials (R164103D)/Design for Manufacture (R164103E)/Gas Dynamics & Jet Propulsion (R164103F)	....
<b>Electronics &amp; Communication Engineering (04)</b>	Radar Systems (R1641041)	Digital Image Processing (Common to ECE & EIE & E.COMP.E) (R1641042)	Computer Networks (Common to ECE & EIE) (R1641043)	Optical Communications (R1641044)	<b>Elective-I</b> : TV Engineering (R164104A)/Electronic Switching Systems (R164104B)/System Design through Verilog (R164104C)	<b>Elective-II</b> : Embedded Systems (R164104D)/Analog IC Design (Common to ECE & EIE) (R164104E)/Network Security & Cryptography (R164104F) (Only for ECE)	....



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**

UNIVERSITY EXAMINATION CENTER, KAKINADA

**IV B.TECH - I SEMESTER (R16) ADVANCED SUPPLEMENTARY EXAMINATIONS, APRIL - 2026**

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<b>Computer Science &amp; Engineering (05)</b>	Cryptography and Network Security (Common to CSE, IT) (R1641051)	Software Architecture & Design Patterns (R1641052)	Web Technologies (R1641053)	Managerial Economics and Financial Analysis (Common to CSE & IT) (R1641054)	<b>Elective-I:</b> Big Data Analytics (Common to CSE & IT) (R164105A)/Information Retrieval Systems (Common to CSE & IT) (R164105B)	<b>Elective-II:</b> Cloud Computing (Common to CSE & IT) (R164105D)/Software Project Management (Common to CSE & IT) (R164105E)/Scripting Languages (R164105F)	Mobile Computing (Common to CSE, IT) (R164105C)
<b>Electronics &amp; Instrumentation Engineering (10)</b>	Data Acquisition Systems (R1641101)	Digital Image Processing (Common to ECE & EIE & E.COMP.E) (R1641042)	Computer Networks (Common to ECE & EIE) (R1641043)	Management Science (R1641102)	<b>Elective II:</b> Mixed Signal Design (R164110C)/Robotics & Automation (R164110D)/EMI/EMC (R164110E)	<b>Elective I:</b> Quality and Reliability Engineering Systems (QRES) (R164110A)/Analog IC Design (Common to ECE & EIE) (R164104E)/Digital Control Systems (R164110B)	....
<b>Information Technology (12)</b>	Cryptography and Network Security (Common to CSE, IT) (R1641051)	.....	Data Ware Housing and Business Intelligence (R1641121)	Managerial Economics and Financial Analysis (Common to CSE & IT) (R1641054)	<b>Elective I:</b> Big Data Analytics (Common to CSE & IT) (R164105A)/Information Retrieval Systems (Common to CSE & IT) (R164105B)/ Internet of Things (R164112A) /Multimedia Programming (R164112B)	<b>Elective II:</b> Cloud Computing (Common to CSE & IT) (R164105D)/Software Project Management (Common to CSE & IT) (R164105E)/Machine Learning (R164112C)/Decision Support System (R164112D)	Mobile Computing (Common to CSE, IT) (R164105C)
<b>Electronics &amp; Computer Engineering (19)</b>	Systems Programming (R1641191)	Digital Image Processing (Common to ECE, EIE & E.COMP.E) (R1641042)	Digital Signal Processing (R1641192)	UNIX Programming (R1641193)	<b>Elective I:</b> Artificial Intelligence (R164119A)/Advanced Computer Architecture (R164119B)/Data Communication (R164119C)	<b>Elective II:</b> Web Design (R164119D)/Fuzzy Logic and Neural Networks (R164119E)/Structured Digital Design (R164119F)	....
<b>Aeronautical Engineering (21)</b>	Theory of Vibrations (R1641211)	<b>Elective I:</b> Airframe Repair and Maintenance (R164121A)/Boundary Layer Theory (R164121B)/Fatigue and Fracture Mechanics (R164121C)	Instrumentation Measurements and Experiments in Fluids (R1641212)	Helicopter Engineering (R1641213)	Computational Fluid Dynamics(Common to ME, AME & Aeronautical) (R164103A)	<b>Elective II:</b> Elements of Combustion (R164121D)/Quality and Reliability Engineering (R164110A)/Hypersonic Aerodynamics (R164121E)	....



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**

UNIVERSITY EXAMINATION CENTER, KAKINADA

**IV B.TECH - I SEMESTER (R16) ADVANCED SUPPLEMENTARY EXAMINATIONS, APRIL - 2026**

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

TIME : 10.00 AM TO 01.00 PM

Branch	06.04.2026 (Monday)	07.04.2026 (Tuesday)	08.04.2026 (Wednesday)	09.04.2026 (Thursday)	10.04.2026 (Friday)	13.04.2026 (Monday)	15.04.2026 (Wednesday)
<b>Automobile Engineering (24)</b>	Automotive Chasis and Suspension (R1641241)	CAD/CAM (Common to ME & AME) (R1641032)	Finite Element Methods (Common to ME & AME) (R1641033)	Vehicle Dynamics (R1641242)	<b>Elective II:</b> Micro Processors & Micro Controllers (R164124D)/Computational Fluid Dynamics(Common to ME, AME & Aeronautical) (R164103A)/Condition Monitoring (Common to ME & AME) (R164103B)	<b>Elective I:</b> Vehicle Body Engg. & Safety (R164124A)/Industrial Robotics (R164124B)/Automotive Aerodynamics (R164124C)	....
<b>Mining Engineering (26)</b>	Computer Applications in Mining (R1641261)	Underground Metal Mining Technology (R1641262)	Rock Mechanics & Ground Control (R1641263)	Mine Legislation & General Safety (R1641264)	<b>Elective I:</b> Rock Slope Engineering (R164126A)/Mine Subsidence Engineering (R164126B)/Rock Fragmentation Engineering (R164126C)	<b>Elective II:</b> Deep Sea Mining (R164126D)/Mine Construction Engineering (R164126E)/Tunneling Engineering (R164126F)	....
<b>Petroleum Engineering (27)</b>	Integrated Asset Management (R1641271)	Petroleum Reservoir Engineering-II (R1641272)	Surface Production Operations (R1641273)	Oil & Gas Processing Plant Design (R1641274)	<b>Elective I:</b> Natural Gas Hydrates (R164127A)/Pipeline Engineering (R164127B)/Horizontal Well Technology (R164127C)	<b>Elective II:</b> Coal Bed Methane Engineering (R164127D)/Offshore Engineering (R164127E)/Reservoir Stimulation (R164127F)	....
<b>Agricultural Engineering (35)</b>	Micro Irrigation Engineering (R1641351)	Farm Machinery and Equipments-II (R1641352)	Post Harvest Engineering for Horticulture Produce (R1641353)	Mechanical Measurements and Instrumentation (R1641354)	<b>Elective I :</b> Seed Processing and Storage Engineering (R164135A)/Green House Technologies (R164135B)/Food Processing Plant Design and Layout (R164135C)	<b>Elective II:</b> Watershed Management (R164135D)/Food Packaging Technology (R164135E)/Minor Irrigation and Command area development (R164135F)	....

**NOTE:**

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

Sd/-

**Controller of Examinations**

**DATE: 25.03.2026**





