



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
UNIVERSITY EXAMINATION CENTER, KAKINADA

IV B.TECH - I SEMESTER (R20) REGULAR EXAMINATIONS, JANUARY - 2024

T I M E T A B L E

TIME : 10.00 AM TO 01.00 PM

Branch	DATE & DAY							
	02-01-2024 (Tuesday)	04-01-2024 (Thursday)	06-01-2024 (Saturday)	08-01-2024 (Monday)	10-01-2024 (Wednesday)	12-01-2024 (Friday)	18-01-2024 (Thursday)	20-01-2024 (Saturday)
Civil Engineering (01)	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)	Professional Elective-III : Advanced Structural Engineering (R204101A)/ Bridge Engineering (R204101B)/ Structural Dynamics (R204101C)/ Urban Transportation Planning (R204101D)	Professional Elective-IV : Ground Improvement Techniques (R204101E)/ Geo-Spatial Technologies (R204101F)/ Disaster Management & Mitigation (R204101G)/ Soil dynamics & Machine Foundations (R204101H)	Professional Elective-V : Design & Drawing of Irrigation Structures (R204101I)/ Earth & Rock fill Dams (R204101J)/ Urban Hydrology (R204101K)/ SWAYAM / NPTEL /MOOCS COURSES (12 weeks duration) (R204101L)	Open Elective-III : Strength of Materials (R204101M)/ Fluid Mechanics (R204101N)/ Surveying and Geomatics (R204101O)/ Highway Engineering (R204101P)/ Safety Engineering (R204101Q)/ Environmental Management (R204101R)/ Urban Planning (R204101S)	Open Elective-IV : 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)
Electrical & Electronics Engineering (02)	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)	Professional Elective-III : 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)	Professional Elective-IV : Hybrid Electric Vehicles (R204102F)/ High Voltage Engineering (R204102G)/ Programmable Logic Controllers and Applications (R204102H)	Professional Elective-V : Power System Operation and Control (R204102I)/ Switched Mode Power Conversion (R204102J)/ AI Applications to Electrical Engineering (R204102K)	Open Elective-III : Concepts of Microprocessors and Microcontrollers (R204102L)/ Fundamentals of Electric Vehicles (R204102M)/ Concepts of Internet of Things (R204102N)	Open Elective-IV : 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) 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)



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Mechanical Engineering (03)	Universal Human Values-2: Understanding Harmony (R2041011) <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>	Professional Elective-III : Mechanical 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)	Professional Elective-IV : Automation in Manufacturing (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)	Professional Elective-V : Advanced Manufacturing Processes (R204103M) / Refrigeration & Air-Conditioning (R204103O) / Non Destructive Evaluation (R204103Q) / MOOCs (NPTEL/Swayam) Course (12 Week duration) (R204103R)	Open Elective-III : Finite Element Methods (R204103S) / Introduction to Artificial Intelligence & Machine Learning (R204103T)	Open Elective-IV : Optimization Techniques (R204103U) / Smart Manufacturing (R204103V) / Safety Engineering (R204103W) / Operations Management (R204103X)	Mechatronics (R204103N) <i>(Common to PE-V & OE-3)</i> / Additive Manufacturing (R204103P) <i>(Common to PE-V & OE-3)</i>



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Electronics & Communica tion Engineering (04)	Universal Human Values-2: Understanding Harmony (R2041011) <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>	Professional Elective-III : Optical Communication (R204104A) / Digital Image Processing (R204104B) / Low Power VLSI Design (R204104C)	Professional Elective-IV : Satellite Communications (R204104D) / Soft Computing Techniques (R204104E) / Digital IC Design using CMOS (R204104F)	Professional Elective-V : Radar engineering (R204104G) / Pattern recognition & Machine Learning (R204104H) / Internet of Things (R204104I)	Open Elective-III : Basics of Signals and Systems (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)	Open Elective-IV : Soft Computing Techniques (R204104R) / Principles of Communications (R204104T) / Basic Electronics (R204104U) / Data Communications (R204104V) / Digital Logic design (R204104W) / Remote Sensing and GIS (R204104X) / Bio Medical Instrumentation (R204104Y)	Open Elective-IV : IC Applications (R204104S)



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Computer Science & Engineering (05)	Universal Human Values-2: Understanding Harmony (R2041011) <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>	Professional Elective-III : Cloud Computing (R204105A) <i>(Common to CSE, IT)</i> / Neural Networks and Soft Computing (R204105B) / Ad-hoc and Sensor Networks (R204105C) / Cyber Security & Forensics (R204105D) <i>(Common to CSE, IT)</i>	Professional Elective-IV : Computer Vision (R204105G) <i>(Common to CSE, CSE(AIDS), AIDS, CSD)</i> / MOOCS-NPTEL/SWAYAM (R204105H)	Professional Elective-V : Wireless Network Security (R204105J) / Ethical Hacking (R204105K) <i>(Common to CSE, IT)</i> / MOOCS-NPTEL/SWAYAM (R204105L) / Block Chain Technologies (R204105I) <i>(Common to CSE, IT)</i>	Open Elective-III : 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) <i>(Common to OE-III as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	Open Elective-IV : Secure Coding Techniques (Job Oriented Course) (R204105U) / Block Chain Technologies (R204105X) / Introduction to Machine Learning (R204105Z) / Machine Learning with Python (R2041051) <i>(Common to OE-IV as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	Social Network And Semantic Web (Job Oriented Course) (R204105F) <i>(Common to CSE, PE-IV & CSE(IOTCSIBCT) OE-3)</i> / Data Science (R204105R) <i>(Common to EEE PE-V & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-3)</i>	Deep Learning Techniques (R204105E) <i>(Common to EEE, CSE, IT, PE-IV & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</i> / MEAN Stack Technologies (R204105V) / Cloud Computing with AWS (R204105W) <i>(Common to EEE PE-IV & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</i> / Cryptography and Network Security (R204105Y) <i>(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)</i>
Information Technology (12)	Universal Human Values-2: Understanding Harmony (R2041011) <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>	Professional Elective-III : Cloud Computing (R204105A) <i>(Common to CSE, IT)</i> / Cyber Security & Forensics (R204105D) <i>(Common to CSE, IT)</i> / Artificial Neural Networks (R204112A) / Internet of Things (IoT) (R204112B)	Professional Elective-IV : Advanced Databases (R204112D) / MOOCS-NPTEL/SWAYAM (R204112E) / Social Networks Analysis (R204112C)	Professional Elective-V : M-Commerce (R204112F) / Ethical Hacking (R204105K) <i>(Common to CSE, IT)</i> / MOOCS-NPTEL/SWAYAM (R204112G) / Block Chain Technologies (R204105I) <i>(Common to CSE, IT)</i>	Open Elective-III : AI Tools & Techniques (R204105N) / Image Processing (R204105O) / Information Security (R204105P) / Mobile Application Development (R204105Q) / Cyber Security (R204105S) / Introduction to Internet of Things (R204105T) <i>(Common to OE-III as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	Open Elective-IV : Block Chain Technologies (R204105X) / Introduction to Machine Learning (R204105Z) / Machine Learning with Python (R2041051) <i>(Common to OE-IV as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	Data Science (R204105R) <i>(Common to EEE PE-V & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-3)</i>	Deep Learning Techniques (R204105E) <i>(Common to EEE, CSE, IT, PE-IV & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</i> / MEAN Stack Technologies (R204105V) / Cloud Computing with AWS (R204105W) <i>(Common to EEE PE-IV & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</i> / Cryptography and Network Security (R204105Y) <i>(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)</i>



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Automobile Engineering (24)	Universal Human Values-2: Understanding Harmony (R2041011) <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>	Professional Elective-III : Automobile HVAC (R204124B) / Special Purpose Vehicles (R204124C) / Vehicle Infotronics (R204124E) / MOOC's/NPTEL (R204124F)	Professional Elective-IV : 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)	Professional Elective-V : 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)	Open Elective-III : Automobile Power train (R204124S) / IC Engines (R204124T)	Open Elective-IV : Automobile Materials and Manufacturing Techniques (R204124U) / Automobile Electrical and Electronics (R204124V)	Automobile Safety (R204124A) (Common to PE-III & OE-3)	Engine Management Systems (R204124D) (Common to PE-III & OE-4)
Mining Engineering (26)	Universal Human Values-2: Understanding Harmony (R2041011) <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>	Professional Elective-III : Operations Research (R204126A) / Dimensional Stone Mining (R204126B) / Advanced Mining Techniques (R204126C) / Planning of Underground Metal mining techniques (R204126D)	Professional Elective-IV : Mine closure and Reclamation (R204126E) / Surface Mine Environment (R204126F) / Mineral Economics, Business and Trade (R204126H)	Professional Elective-V : Subsidence Engineering (R204126I) / Rock Slope Engineering (R204126J) / Advances in Rock Fragmentation (R204126K) / Tunneling and Underground Space Technology (R204126L)	Open Elective-III : Mine Waste Management (R204126M) / Mine Reclamation (R204126N) / Environmental Impact of Mining (R204126O)	Open Elective-IV : Principles of Mineral Engineering (R204126P) / Mine Instrumentation (R204126Q) / Mine Safety & Ergonomics (R204126R) / Numerical Methods in Mining Engineering (R204126S)	Sustainable Development for Mining (R204126G) (Common to PE-IV & OE-3)



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Agricultural Engineering (35)	Universal Human Values-2: Understanding Harmony (R2041011) <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>	Professional Elective-III : Irrigation and Drainage Engineering (R204135A) / Production Technology of Agricultural Machinery (R204135B) / Food Plant Design and Management (R204135C)	Professional Elective-IV : Design of Soil and Water Conservation and Farm Systems (R204135D) / Food Process Equipment Design (R204135E) / Design of Agricultural Machinery (R204135F)	Professional Elective-V : Micro Irrigation Engineering (R204135G) / Mechatronics in Agricultural Engineering (R204135H) / Dairy and Food Engineering (R204135I)	Open Elective-III : Principles of Soil Science and Agronomy (R204135J) / Farm Power and Tractor Systems (R204135K) / Soil and Water Conservation Engineering (R204135L) / Ground Water Hydrology, Wells and Pumps (R204135M)	Open Elective-IV : Surface Water Hydrology (R204135N) / Post Harvest Engineering of Cereals, Pulses and Oilseeds (R204135O) / Agricultural Process Engineering (R204135P)
CSE (Artificial Intelligence and Machine Learning) (42)	Universal Human Values-2: Understanding Harmony (R2041011) <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>	Professional Elective-III : Reinforcement Learning (R204142A) / Soft Computing (R204142B) / Speech Processing (R204142C) / Block Chain Technologies (R204142P) <i>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	Professional Elective-IV : Robotic Process Automation (R204142D) / Big Data Analytics (R204142E) <i>(Common to CSE(AIML), CSE(AI), AIML, PE-IV & CSE(CS), CS PE-V & OE-3) /</i> NOSQL Databases (R204142F) / Video Analytics (R204142G) / Cloud Computing (R204142O) <i>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	Professional Elective-V : Recommender Systems (R204142H) / AI Chatbots (R204142I) / Object Oriented Analysis and Design (R204142J) / Semantic Web (R204142K) / Social Networks Analysis (R204142Q) <i>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	Open Elective-III : 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) <i>(Common to OE-III as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	Open Elective-IV : Secure Coding Techniques (Job Oriented Course) (R204105U) / Block Chain Technologies (R204105X) / Introduction to Machine Learning (R204105Z) / Machine Learning with Python (R2041051) <i>(Common to OE-IV as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	Data Science (R204105R) <i>(Common to EEE PE-V & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-3)</i>	Deep Learning Techniques (R204105E) <i>(Common to EEE, CSE, IT, PE-IV & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4) /</i> MEAN Stack Technologies (R204105V) / Cloud Computing with AWS (R204105W) <i>(Common to EEE PE-IV & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4) /</i> Cryptography and Network Security (R204105Y) <i>(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)</i>



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CSE (Artificial Intelligence) (43)	Universal Human Values-2: Understanding Harmony (R2041011) <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>	Professional Elective-III : Reinforcement Learning (R204142A) / Soft Computing (R204142B) / Speech Processing (R204142C) / Block Chain Technologies (R204142P) <i>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	Professional Elective-IV : Robotic Process Automation (R204142D) / Big Data Analytics (R204142E) <i>(Common to CSE(AIML), CSE(AI), AIML, PE-IV & CSE(CS), CS PE-V & OE-3) /</i> NOSQL Databases (R204142F) / Video Analytics (R204142G) / Cloud Computing (R204142O) <i>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	Professional Elective-V : Recommender Systems (R204142H) / AI Chatbots (R204142I) / Object Oriented Analysis and Design (R204142J) / Semantic Web (R204142K) / Social Networks Analysis (R204142Q) <i>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	Open Elective-III : 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) <i>(Common to OE-III as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	Open Elective-IV : Secure Coding Techniques (Job Oriented Course) (R204105U) / Block Chain Technologies (R204105X) / Introduction to Machine Learning (R204105Z) / Machine Learning with Python (R2041051) <i>(Common to OE-IV as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	Data Science (R204105R) <i>(Common to EEE PE-V & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-3)</i>	Deep Learning Techniques (R204105E) <i>(Common to EEE, CSE, IT, PE-IV & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4) /</i> MEAN Stack Technologies (R204105V) / Cloud Computing with AWS (R204105W) <i>(Common to EEE PE-IV & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4) /</i> Cryptography and Network Security (R204105Y) <i>(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)</i>



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CSE (Data Science) (44)	Universal Human Values-2: Understanding Harmony (R2041011) <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>	Professional Elective-III : Reinforcement Learning (R204142A) / Nature Inspired Computing Techniques (R204144A) / Social Media Analytics (R204144B) / Block Chain Technologies (R204142P) <i>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	Professional Elective-IV : SnowFlake Cloud Analytics (R204144C) / Information Retrieval Systems (R204144D) / NOSQL Databases (R204142F) / Cloud Computing (R204142O) <i>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	Professional Elective-V : Recommender Systems (R204142H) / AI Chatbots (R204142I) / Data Visualization (R204144E) / Social Networks Analysis (R204142Q) <i>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	Open Elective-III : 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) <i>(Common to OE-III as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	Open Elective-IV : Secure Coding Techniques (Job Oriented Course) (R204105U) / Block Chain Technologies (R204105X) / Introduction to Machine Learning (R204105Z) / Machine Learning with Python (R2041051) <i>(Common to OE-IV as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	Data Science (R204105R) <i>(Common to EEE PE-V & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-3)</i>	Deep Learning Techniques (R204105E) <i>(Common to EEE, CSE, IT, PE-IV & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</i> / MEAN Stack Technologies (R204105V) / Cloud Computing with AWS (R204105W) <i>(Common to EEE PE-IV & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</i> / Cryptography and Network Security (R204105Y) <i>(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)</i>



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IV B.TECH - I SEMESTER (R20) REGULAR EXAMINATIONS, JANUARY - 2024

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	02-01-2024 (Tuesday)	04-01-2024 (Thursday)	06-01-2024 (Saturday)	08-01-2024 (Monday)	10-01-2024 (Wednesday)	12-01-2024 (Friday)	18-01-2024 (Thursday)	20-01-2024 (Saturday)
CSE (Artificial Intelligence and Data Science) (45)	Universal Human Values-2: Understanding Harmony (R2041011) <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>	Professional Elective-III : Reinforcement Learning (R204142A) / Nature Inspired Computing Techniques (R204144A) / Social Media Analytics (R204144B) / Block Chain Technologies (R204142P) <i>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	Professional Elective-IV : Computer Vision (R204105G) <i>(Common to CSE, CSE(AIDS), AIDS, CSD)/</i> Information Retrieval Systems (R204144D) / NOSQL Databases (R204142F) / Cloud Computing (R204142O) <i>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	Professional Elective-V : Recommender Systems (R204142H) / AI Chatbots (R204142I) / Data Visualization (R204144E) / Social Networks Analysis (R204142Q) <i>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	Open Elective-III : 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) <i>(Common to OE-III as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	Open Elective-IV : Secure Coding Techniques (Job Oriented Course) (R204105U) / Block Chain Technologies (R204105X) / Introduction to Machine Learning (R204105Z) / Machine Learning with Python (R2041051) <i>(Common to OE-IV as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	Data Science (R204105R) <i>(Common to EEE PE-V & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-3)</i>	Deep Learning Techniques (R204105E) <i>(Common to EEE, CSE, IT, PE-IV & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</i> / MEAN Stack Technologies (R204105V) / Cloud Computing with AWS (R204105W) <i>(Common to EEE PE-IV & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</i> / Cryptography and Network Security (R204105Y) <i>(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)</i>
CSE (Cyber Security) (46)	Universal Human Values-2: Understanding Harmony (R2041011) <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>	Professional Elective-III : Internet Of Things (R204146A) / Information Coding Techniques (R204146D) / Mobile and Wireless Security (R204146E) <i>(Common to CSE(CS), CS)</i>	Professional Elective-IV : Ad-hoc and Sensor Networks (R204146R) / Big Data Analytics (R204142E) <i>(Common to CSE(AIML), CSE(AI), AIML, PE-IV & CSE(CS), CS PE-V & OE-3)</i> / Cyber Crime Investigation and Digital Forensics (R204146F) <i>(Common to CSE(CS), CS PE-IV, OE-4 & CSE(IOTCSIBCT) PE-IV)</i>	Professional Elective-V : Cyber Laws and Security Policies (R204146J) / Intrusion Detection and Prevention System (R204146K) / Data Privacy (R204146L) / Ethical Hacking (R204146M)	Open Elective-III : DevOps (Job Oriented Course) (R204146N) / Cryptography and Network Security (R204146O)	Open Elective-IV : Multimedia And Rich Internet Applications (Job Oriented Course) (R204146P)	Data Science (R204146B) <i>(Common to PE-III & OE-3 CSE(CS), CSE(IOTCSIBCT), CSE(IoT) CS)/</i> Cloud Computing (R204146G) <i>(Common to CSE(CS) PE-IV, OE-3 & CSE(IoT) PE-IV)</i>	Distributed Systems (R204146C) <i>(Common to CSE(CS), CS PE-III & OE-4)</i> / Mean Stack Technologies (R204146H) <i>(Common to CSE(IoT), CSE(CS), CSE(IOTCSIBCT) PE-IV & CSE(IoT) OE-4)</i> / Malware Analysis & Reverse Engineering (R204146I) <i>(Common to CSE(CS), CSE(IOTCSIBCT) PE-IV & CSE(CS) OE-4)</i> / Machine Learning (R204146Q) <i>(Common to CSE(IOTCSIBCT) PE-V & CSE(CS), CSE(IOTCSIBCT), CSE(IoT) OE-4)</i>



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



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CSE (Internet of Things) (49)	Universal Human Values-2: Understanding Harmony (R2041011) <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>	Professional Elective-III : Mobile Computing (R204149A) / No SQL Databases (R204147B) / Privacy and Security in IOT (R204147C)	Professional Elective-IV : Fog Computing (R204149B) Cyber Security & Forensics (R204149H)	Professional Elective-V : Deep Learning (R204147F) / Wearable Computing (R204149C) / Dev Ops (R204147H) / Software Testing Methodologies (R204149I)	Open Elective-III : Middleware Technologies (Job Oriented Course) (R204149D) / Sensors and Actuator Devices for IoT (R204147J) / Embedded System Design (R204149E)	Open Elective-IV : Multimedia And Rich Internet Applications (R204146P) / Cryptography and Network Security (R204149J)	Data Science (R204146B) (Common to PE-III & OE-3 CSE(CS), CSE(IOTCSIBCT), CSE(IoT) /Big Data Analytics for IoT (R204147I) (Common to CSE(IoT) PE-IV & CSE(IOTCSIBCT), CSE(IoT) OE-3) / Cloud Computing (R204146G) (Common to CSE(CS) PE-IV, OE-3 & CSE(IoT) PE-IV)	Mean Stack Technologies (R204146H) (Common to CSE(IoT), CSE(CS), CSE(IOTCSIBCT) PE-IV & CSE(IoT) OE-4) / Machine Learning (R204146Q) (Common to CSE(IOTCSIBCT) PE-V & CSE(CS), CSE(IOTCSIBCT), CSE(IoT) OE-4) / Programming and Interfacing with Microcontrollers (R204147K) (Common to CSE(IoT) PE-III & CSE(IOTCSIBCT), CSE(IoT) OE-4) / Block Chain Technologies (R204147L) (Common to CSE(IoT) PE-III & CSE(IOTCSIBCT), CSE(IoT) OE-4)
FOOD ENGINEERING (51)	Universal Human Values-2: Understanding Harmony (R2041011) <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>	Professional Elective-III : Advances in Drying and Dehydration (R204151A) / Process Kinetics in Food Engineering (R204151B) / Non-Thermal Operations in Food Processing (R204151C)	Professional Elective-IV : Food Process Equipment Design (R204151D) / Sensors in Food Processing (R204151E) / New Product Development (R204151F)	Professional Elective-V : Entrepreneurship in Food Industries (R204151G) / Food Supply Chain Management (R204151H) / Food Business Management and Economics (R204151I)	Open Elective-III : Food Sanitation, Management and Hygiene (R204151J) / Energy Conservation and Audit (R204151K) / Food Waste Management (R204151L)	Open Elective-IV : Food Refrigeration and Cold Chain (R204151M) / Food Plant Operations and Maintenance (R204151N) / ICT Applications in Food Processing (R204151O) / SWAYAM / NPTEL /MOOCS COURSES (12 weeks duration) (R204151P)



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ARTIFICIAL INTELLIGENCE AND DATA SCIENCE (54)	Universal Human Values-2: Understanding Harmony (R2041011) <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>	Professional Elective-III : Reinforcement Learning (R204142A) / Nature Inspired Computing Techniques (R204144A) / Social Media Analytics (R204144B) / Block Chain Technologies (R204142P) <i>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	Professional Elective-IV : Computer Vision (R204105G) <i>(Common to CSE, CSE(AIDS), AIDS, CSD)</i> / Information Retrieval Systems (R204144D) / NOSQL Databases (R204142F) / Cloud Computing (R204142O) <i>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	Professional Elective-V : Recommender Systems (R204142H) / AI Chatbots (R204142I) / Data Visualization (R204144E) / Social Networks Analysis (R204142Q) <i>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	Open Elective-III : 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) <i>(Common to OE-III as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	Open Elective-IV : Secure Coding Techniques (Job Oriented Course) (R204105U) / Block Chain Technologies (R204105X) / Introduction to Machine Learning (R204105Z) / Machine Learning with Python (R2041051) <i>(Common to OE-IV as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	Data Science (R204105R) <i>(Common to EEE PE-V & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-3)</i>	Deep Learning Techniques (R204105E) <i>(Common to EEE, CSE, IT, PE-IV & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</i> / MEAN Stack Technologies (R204105V) / Cloud Computing with AWS (R204105W) <i>(Common to EEE PE-IV & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</i> / Cryptography and Network Security (R204105Y) <i>(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)</i>
PHARMACEUTICAL ENGINEERING (55)	Industrial Pharmacy (R204155A)	Professional Elective-III : Bio Medical Instrumentation (R204155B) / Pharmaceutical product development (R204155C) / Industrial Process Control (R204155D)	Professional Elective-IV : Pharmaceutical Packaging Technology (R204155E) / Introduction to Biomaterials and Tissue Engineering (R204155F) / Good Manufacturing Practices (R204155G)	Open Elective-III : Robotics (R204155H) / Synthesis And Characterization of Nano Materials (R204155I) / Industrial Psychology and Human Resource Management (R204155J)	Open Elective-IV : Principles of mechanical measurements (R204155K) / Artificial Intelligence & Machine Learning (R204155L) / Bioinformatics (R204155M)



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CYBER SECURITY (59)	Universal Human Values-2: Understanding Harmony (R2041011) <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>	Professional Elective-III : Internet Of Things (R204146A) / Information Coding Techniques (R204146D) / Mobile and Wireless Security (R204146E) <i>(Common to CSE(CS), CS)</i>	Professional Elective-IV : Ad-hoc and Sensor Networks (R204146R) / Big Data Analytics (R204142E) <i>(Common to CSE(AIML), CSE(AI), AIML, PE-IV & CSE(CS), CS PE-V & OE-3)</i> / Cyber Crime Investigation and Digital Forensics (R204146F) <i>(Common to CSE(CS), CS PE-IV, OE-4 & CSE(IOTCSIBCT) PE-IV)</i>	Professional Elective-V : Cyber Laws and Security Policies (R204146J) / Intrusion Detection and Prevention System (R204146K) / Data Privacy (R204146L) / Ethical Hacking (R204146M)	Open Elective-III : DevOps (Job Oriented Course) (R204146N) / Cryptography and Network Security (R204146O)	Open Elective-IV : Multimedia And Rich Internet Applications (Job Oriented Course) (R204146P)	Data Science (R204146B) <i>(Common to PE-III & OE-3 CSE(CS), CSE(IOTCSIBCT), CSE(IoT) CS)</i> / Cloud Computing (R204146G) <i>(Common to CSE(CS) PE-IV, OE-3 & CSE(IoT) PE-IV)</i>	Distributed Systems (R204146C) <i>(Common to CSE(CS), CS PE-III & OE-4)</i> / Mean Stack Technologies (R204146H) <i>(Common to CSE(IoT), CSE(CS), CSE(IOTCSIBCT) PE-IV & CSE(IoT) OE-4)</i> / Malware Analysis & Reverse Engineering (R204146I) <i>(Common to CSE(CS), CSE(IOTCSIBCT) PE-IV & CSE(CS) OE-4)</i> / Machine Learning (R204146Q) <i>(Common to CSE(IOTCSIBCT) PE-V & CSE(CS), CSE(IOTCSIBCT), CSE(IoT) OE-4)</i>
ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING (61)	Universal Human Values-2: Understanding Harmony (R2041011) <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>	Professional Elective-III : Reinforcement Learning (R204142A) / Soft Computing (R204142B) / Speech Processing (R204142C) / Block Chain Technologies (R204142P) <i>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	Professional Elective-IV : Robotic Process Automation (R204142D) / Big Data Analytics (R204142E) <i>(Common to CSE(AIML), CSE(AI), AIML, PE-IV & CSE(CS), CS PE-V & OE-3)</i> / NOSQL Databases (R204142F) / Video Analytics (R204142G) / Cloud Computing (R204142O) <i>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	Professional Elective-V : Recommender Systems (R204142H) / AI Chatbots (R204142I) / Object Oriented Analysis and Design (R204142J) / Semantic Web (R204142K) / Social Networks Analysis (R204142Q) <i>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	Open Elective-III : 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) <i>(Common to OE-III as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	Open Elective-IV : Secure Coding Techniques (Job Oriented Course) (R204105U) / Block Chain Technologies (R204105X) / Introduction to Machine Learning (R204105Z) / Machine Learning with Python (R2041051) <i>(Common to OE-IV as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	Data Science (R204105R) <i>(Common to EEE PE-V & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-3)</i>	Deep Learning Techniques (R204105E) <i>(Common to EEE, CSE, IT, PE-IV & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</i> / MEAN Stack Technologies (R204105V) / Cloud Computing with AWS (R204105W) <i>(Common to EEE PE-IV & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</i> / Cryptography and Network Security (R204105Y) <i>(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)</i>



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Branch	DATE & DAY							
	02-01-2024 (Tuesday)	04-01-2024 (Thursday)	06-01-2024 (Saturday)	08-01-2024 (Monday)	10-01-2024 (Wednesday)	12-01-2024 (Friday)	18-01-2024 (Thursday)	20-01-2024 (Saturday)
COMPUTER SCIENCE AND DESIGN (62)	Universal Human Values-2: Understanding Harmony (R2041011) <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>	Professional Elective-III : Reinforcement Learning (R204142A) / Nature Inspired Computing Techniques (R204144A) / Block Chain Technologies (R204142P) <i>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	Professional Elective-IV : Robotic Process Automation (R204142D) / Computer Vision (R204105G) <i>(Common to CSE, CSE(AIDS), AIDS, CSD)</i> / NOSQL Databases (R204142F) / Cloud Computing (R204142O) <i>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	Professional Elective-V : Recommender Systems (R204142H) / AI Chatbots (R204142I) / Data Visualization (R204144E) / Social Networks Analysis (R204142Q) <i>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	Open Elective-III : 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) <i>(Common to OE-III as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	Open Elective-IV : Secure Coding Techniques (Job Oriented Course) (R204105U) / Block Chain Technologies (R204105X) / Introduction to Machine Learning (R204105Z) / Machine Learning with Python (R2041051) <i>(Common to OE-IV as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	Data Science (R204105R) <i>(Common to EEE PE-V & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-3)</i>	Deep Learning Techniques (R204105E) <i>(Common to EEE, CSE, IT, PE-IV & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</i> / MEAN Stack Technologies (R204105V) / Cloud Computing with AWS (R204105W) <i>(Common to EEE PE-IV & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</i> / Cryptography and Network Security (R204105Y) <i>(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)</i>

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.

DATE: 11-12-2023

H. R. Reddy
 Controller of Examinations (UG)