JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY GURAJADA VIZIANAGARAM

UNIVERSITY EXAMINATION SECTION, VIZIANAGARAM

IV B.TECH - I SEMESTER (R20)- REGULAR/SUPPLEMENTARY END EXAMINATIONS, NOVEMBER/DECEMBER – 2024

Academic Year: 2024-25

T I M E T A B L E   **TIME:** Fore Noon (FN): 10.00 am to 1.00 pm

Branch	18-11-2024 Monday	20-11-2024 Wednesday	22-11-2024 Friday	25-11-2024 Monday	27-11-2024 Wednesday	29-11-2024 Friday	02-12-2024 Monday	04-12-2024 Wednesday	06-12-2024 Friday
Civil Engineering (01)	**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)**	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)*	……	……	Remote Sensing and GIS **(R204101Z)**
Electrical & Electronics Engineering (02)	**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 Smart Grid Technologies **(R204102P)**	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)*	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)*	**Open Elective-IV** : Concepts of Power System Engineering **(R204102O)**

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Mechanical Engineering (03)	**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)**	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)*	Mechatronics **(R204103N)** *(Common to PE-V & OE-3)*	Additive Manufacturing **(R204103P)** *(Common to PE-V & OE-3)*

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Electronics & Communication Engineering (04)	**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)**/ Fundamentals of Microprocessors and Microcontrollers **(R204104O)**	**Open Elective-IV** : Soft Computing Techniques **(R204104R)**/ Data Communications **(R204104V)**/ Remote Sensing and GIS **(R204104X)**/ Bio Medical Instrumentation **(R204104Y)** Industrial Electronics **(R204104M)** Consumer Electronics **(R204104N** **Open Elective-III/IV:** Digital Logic design **(R204104W)**	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)*	**OE-III/IV** Transducers and Sensors **(R204104P)** OE-IV IOT and Applications **(R204104Q)** **Principles of Communications (R204104T)**	--	**Open Elective-IV** : IC Applications **(R204104S)** Basic Electronics **(R204104U)**

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Computer Science & Engineering (05)	**Professional Elective-III** : 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)*	**Professional Elective- IV :** Computer Vision **(R204105G)** *(Common to CSE, CSE(AIDS), AIDS, CSD)* / MOOCS-NPTEL/SWAYAM **(R204105H)** Social Network And Semantic Web (Job Oriented Course) **(R204105F)** *(Common to CSE, PE-IV & CSE(IOTCSIBCT) OE-3)*	**Professional Elective-V :** Wireless Network Security **(R204105J)**/ Ethical Hacking **(R204105K)** *(Common to CSE, IT)* / MOOCS-NPTEL/SWAYAM **(R204105L)** / Block Chain Technologies **(R204105I)** *(Common to CSE, IT)*	**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)** *(Common to OE-III as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)*	**Open Elective-IV :** Secure Coding Techniques (Job Oriented Course) **(R204105U)**/ Block Chain Technologies **(R204105X)**/ Machine Learning with Python **(R2041051)** *(Common to OE-IV as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)*	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)*	Data Science **(R204105R)** *(Common to EEE PE-V & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-3)* Introduction to Machine Learning **(R204105Z)**	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)*
Information Technology (12)	**Professional Elective-III** : Cloud Computing **(R204105A)** *(Common to CSE, IT)* / Cyber Security & Forensics **(R204105D)** *(Common to CSE, IT)* / 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)** *(Common to CSE, IT)* / MOOCS-NPTEL/SWAYAM **(R204112G)** / Block Chain Technologies **(R204105I)** *(Common to CSE, IT)*	**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)** *(Common to OE-III as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)*	**Open Elective-IV :** 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)*	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)*	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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Automobile Engineering (24)	**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)**	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)*	Automobile Safety **(R204124A)** **(Common to PE-III & OE-3)**	Engine Management Systems **(R204124D)** *(Common to PE-III & OE-4)*

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CSE (Data Science) (44)	**Professional Elective-III :** 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)*	**Professional Elective-IV :** Snow Flake 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)*	**Professional Elective-V :** 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)*	**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)** *(Common to OE-III as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)*	**Open Elective-IV :** 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)*	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)*	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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CSE (Artificial Intelligence and Data Science) (45)	**Professional Elective-III :** 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)*	**Professional Elective-IV :** Computer Vision **(R204105G)** *(Common to CSE, CSE(AIDS), AIDS, CSD)* / Information Retrieval Systems **(R204144D)**/ NOSQL Databases **(R204142F)** / Cloud Computing **(R204142O)** *(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)*	**Professional Elective-V :** 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)*	**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)** *(Common to OE-III as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)*	**Open Elective-IV :** 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)*	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)*	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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CSE (Cyber Security) (46)	**Professional Elective-III :** Internet Of Things **(R204146A)**/ Information Coding Techniques **(R204146D)** / Mobile and Wireless Security **(R204146E)** *(Common to CSE(CS), CS)*	**Professional Elective-IV** : 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)* /	**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)**	Universal Human Values **(R2041011A)**/Human Resources Development **(R2041011B)** / Business Intelligence **(R2041011C)**/ Management and Organizational Behaviour **(R2041011D)**/ Strategic management **(R2041011E)**	Data Science **(R204146B)** *(Common to PE-III & OE-3 CSE(CS), CSE(IOTCSIBCT), CSE(IoT) CS)*/ Cloud Computing **(R204146G)** *(Common to CSE(CS) PE-IV , OE-3 & CSE(IoT) PE-IV)*	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)* Cyber Crime Investigation and Digital Forensics **(R204146F)** *(Common to CSE(CS), CS PE-IV , OE- 4 & CSE(IOTCSIBCT) PE- IV)*

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ARTIFICIAL INTELLIGENCE AND DATA SCIENCE (54)	**Professional Elective-III :** 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)*	**Professional Elective-IV :** Computer Vision **(R204105G)** *(Common to CSE, CSE(AIDS), AIDS, CSD)* / Information Retrieval Systems **(R204144D)**/ NOSQL Databases **(R204142F)** / Cloud Computing **(R204142O)** *(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)*	**Professional Elective-V :** 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)*	**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)** *(Common to OE-III as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)*	**Open Elective-IV :** 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)*	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)*	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)*

T I M E T A B L E   **TIME:** Fore Noon (FN): 10.00 am to 1.00 pm

Branch	DATE & DAY							
	18-11-2024 Monday	20-11-2024 Wednesday	22-11-2024 Friday	25-11-2024 Monday	27-11-2024 Wednesday	29-11-2024 Friday	02-12-2024 Monday	04-12-2024 Wednesday
ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING (61)	**Professional Elective-III :** 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)*	**Professional Elective-IV :** 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)*	**Professional Elective-V :** 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)*	**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)** *(Common to OE-III as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)*	**Open Elective-IV :** 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)*	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)*	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 GURAJADA VIZIANAGARAM
UNIVERSITY EXAMINATION SECTION, VIZIANAGARAM
IV B.TECH - I SEMESTER (R20)- REGULAR/SUPPLEMENTARY END EXAMINATIONS, NOVEMBER/DECEMBER – 2024
Academic Year: 2024-25

T I M E T A B L E   **TIME:** Fore Noon (FN): 10.00 am to 1.00 pm

Branch	DATE & DAY							
	18-11-2024 Monday	20-11-2024 Wednesday	22-11-2024 Friday	25-11-2024 Monday	27-11-2024 Wednesday	29-11-2024 Friday	02-12-2024 Monday	04-12-2024 Wednesday
CSE-ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING (42)	**Professional Elective-III** : 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)*	**Professional Elective-IV :** 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)*	**Professional Elective-V** : 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)*	**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)** *(Common to OE-III as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)*	**Open Elective-IV :** 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)*	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)*	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)*

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 IMMEDIATELY, IF ANY OTHER SUBSTITUTE SUBJECTS ARE NOT INCLUDED IN THE ABOVE LIST.

Date: 02-11-2024

Controller of Examinations