



# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

## III B.TECH I SEMESTER (R20 REGULATION) REGULAR EXAMINATIONS, DEC/JAN - 2022/2023

### REVISED TIME TABLE

TIME: 10.00 AM TO 01.00 PM

BRANCH	DATE & DAY						
	26-12-2022 (Monday)	28-12-2022 (Wednesday)	30-12-2022 (Friday)	02-01-2023 (Monday)	04-01-2023 (Wednesday)	06-01-2023 (Friday)	09-01-2023 (Monday)
<b>CIVIL ENGINEERING (01 CE)</b>	Structural Analysis (R2031011)	Design And Drawing of Reinforced Concrete Structures (R2031012)	Geotechnical Engineering - I (R2031013)	<b>Professional Elective (PE) :-</b>  Construction Technology & Management R203101A / Remote Sensing and GIS R203101B / Environmental Impact Assessment R203101C / Low-Cost Housing R203101D	<b>Open Elective (OE I) :-</b>  Strength of Materials R203101E / Fluid Mechanics R203101F / Surveying and Geomatics R203101G / Highway Engineering R203101H / Safety Engineering R203101I / Environmental Management R203101J / Urban Planning R203101K	.....	.....
<b>ELECTRICAL AND ELECTRONIC ENGINEERING (02 EEE)</b>	Power Systems-II (R2031021)	Power Electronics (R2031022)	Control Systems (R2031023)	<b>Professional Elective (PE) :-</b>  Linear Ic Applications R203102A / Utilization Of Electrical Energy R203102B / Computer Architecture And Organization R203102C / Optimization Techniques R203102D / Object Oriented Programming Through Java R203102E / Optimization Techniques R203102D / Object Oriented Programming Through Java R203102E	<b>Open Elective (OE I) :-</b>  Renewable Energy Sources R203102F / Concepts Of Optimization Techniques R203102G / Concepts of Control Systems R203102H	Data Base Management Systems (R203105M)  Special Electrical Machines (R203102M)	Operating Systems (R203105N)  Electrical Distribution Systems (203102N)
<b>MECHANICAL ENGINEERING (03 ME)</b>	Thermal Engineering-II (R2031031)	Design of Machine Members-I (R2031032)	Machining, Machine Tools & Metrology (R2031033)	<b>Professional Elective (PE) :-</b>  Finite Element Methods R203103A / Industrial Robotics R203103B / Advanced Materials R203103C / Renewable Energy Sources R203103D / Mechanics of Composites R203103E / MOOCs (NPTEL/Swayam) R203103F	<b>Open Elective (OE I) :-</b>  Sustainable Energy Technologies R203103G / Operations Research R203103H / Nano Technology R203103I / Thermal Management of Electronic systems R203103J	Data Base Management Systems (R203105M)  Advanced Mechanics of Fluids (R203103K)	Operating Systems (R203105N)  Experimental Methods in Fluid Mechanics (R203103X)



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ELECTRONICS & COMMUNICATION ENGINEERING (04 ECE)	Analog ICs and Applications (R2031041)	Electromagnetic Waves and Transmission Lines (R2031042)	Digital Communications (R2031043)	Professional Elective (PE) :-	Open Elective (OE I) :-	Data Base Management Systems (R203105M)	Operating Systems (R203105N)
				Antenna And Wave Propagation R203104A / Electronic Measurements & Instrumentation R203104B / Computer Architecture & Organization R203104C	Basics of Signals and Systems R203104D / Electronic Measurements and Instrumentation R203104E / Principles of Signal Processing R203104F / Industrial Electronics R203104G / Consumer Electronics R203104H / Fundamentals of Microprocessors and Microcontrollers R203104I / Transducers and Sensors R203104J / IOT and Applications R203104K / Soft Computing Techniques R203104L / IC Applications R203104M / Principles of Communications R203104N / Basic Electronics R203104O / Data Communications R203104P / Digital Logic Design R203104Q / Remote Sensing and GIS R203104R / Bio Medical Instrumentation R203104S / Introduction to Microprocessor and Microcontrollers R203114G		
COMPUTER SCIENCE & ENGINEERING (05 CSE)	Computer Networks (R2031051) (Common to CSE,IT)	Design and Analysis of Algorithms (R2031052) (Common to CSE,IT)	Data Warehousing and Data Mining (R2031053)	Professional Elective (PE II) :-	Open Elective (OE I) :-	Electronics Devices And Basic Circuits (R203104T) Statistical Foundation For Data Science (R203105P) Text Mining And Time Series Analysis (R203105O)	Digital Electronics (R203104U) Data Visualization (R203105Q) Mathematics For Machine Learning (R203105R)
				Artificial Intelligence R203105A / Software Project Management R203105B / Distributed Systems R203105C / Advanced Unix Programming R193205D	Optimization in Operations Research R203105E / Data Structures R203105F / Object Oriented Progra. through JAVA R203105G / Data Base Management Systems R203105H / Computer Graphics R203105I / Advanced UNIX Programming R203105J / Computer Organization and Arch. R203105K / Operating Systems R203105L		



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<b>INFORMATION TECHNOLOGY (12 IT)</b>	Computer Networks (R2031051) (Common to CSE,IT)	Design and Analysis of Algorithms (R2031052) (Common to CSE,IT)	Data Mining Techniques (R2031121)	<b>Professional Elective (PE II) :-</b>	<b>Open Elective (OE I) :-</b>	.....	.....
				Artificial Intelligence R203105A / Distributed Systems R203105C / Advanced Unix Programming R203105D / Agile Software Process R203112A	DevOps R203112B / Data Structures R203105F / Object Oriented Progra. through JAVA R203105G / Data Base Management Systems R203105H / Computer Graphics R203105I / Advanced UNIX Programming R203105J / Computer Organization and Arch. R203105K / Operating Systems R203105L		
<b>AUTO MOBILE ENGINEERING (24 AME)</b>	Theory of Machines (R2031241)	Production Technology (R2031242)	Vehicle Dynamics (R2031243)	<b>Professional Elective (PE) :-</b>	<b>Open Elective (OE I) :-</b>	.....	.....
				Alternative Fuels for Engines R203124A / Two and Three Wheelers R203124B / Microprocessor and Micro Controllers R203124C / Heat Transfer R203124D / Industrial Hydraulics and Pneumatics R203124E / MOOC's/NPTEL R203124F	Basic Automobile Engineering R203124G / Automobile Maintenance and Safety R203124H / Automobile Emissions and Effects R203124I		
<b>MINING ENGINEERING (26 MM)</b>	Mine Hazards and Rescue (R2031261)	Underground Coal Mining (R2031262)	Mine Hoisting and Transportation (R2031263)	<b>Professional Elective (PE) :-</b>	<b>Open Elective (OE I) :-</b>	.....	.....
				Remote Sensing and GIS R203101B / Resource Evaluation and Geo-Statistics - R203126A / Mine Planning and Design R203126B / Mine Safety & Ergonomics R203126C	Introduction to Underground Mining R203126D / Introduction to Surface Mining R203126E / Tunneling and Underground Space Design R203126F / Engineering Survey R203126G		
<b>AGRICULTURAL ENGINEERING (35 AGE)</b>	Farm Machinery and Equipment - I (R2031351)	Surface Water Hydrology (R2031352)	Post Harvest Engineering of Cereals, Pulses and Oilseeds (R2031353)	<b>Professional Elective - I</b>	<b>Open Elective - I</b>	.....	.....
				Seed Processing and Storage Engineering R203135A / Greenhouse Technology R203135B / Tractor Design and Testing R203135C	Principles of Soil Science and Agronomy R203135D / Farm Power and Tractor Systems R203135E / Soil and Water Conservation Engineering R203135F / Ground Water Hydrology, Wells and Pumps R203135G / Surface Water Hydrology R203135H / Post Harvest Engineering of Cereals Pulses and Oilseeds R203135I / Agricultural Process Engineering R203135J		



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CSE (Artificial Intelligence and Machine Learning) (42)	Compiler Design (R2031421) (Common to CSE(AIML), CSE(AI),CSE(DS),C SE(AIDS),AIDS,AIM L,CSD)	Operating Systems (R2031422) (Common to CSE(AIML), CSE(AI),CSE(DS),CSE( AIDS),AIDS,AIML,CS D)	Machine Learning (R2031423) (Common to CSE(AIML),CSE(AI), CSE(DS),CSE(AIDS), AIDS,AIML)	<u>Professional Elective (PE) :-</u>	<u>Open Elective (OE I) :-</u>	.....	.....
				Software Engineering R203142A / Computer Vision R203142B / Data Visualization R203142C / DevOps R203142D / MOOC's-NPTEL R203142E	Optimization in Operations Research R203105E		
CSE (Artificial Intelligence) (43)	Compiler Design (R2031421) (Common to CSE(AIML), CSE(AI),CSE(DS),C SE(AIDS),AIDS,AIM L,CSD)	Operating Systems (R2031422) (Common to CSE(AIML), CSE(AI),CSE(DS),CSE( AIDS),AIDS,AIML,CS D)	Machine Learning (R2031423) (Common to CSE(AIML),CSE(AI), CSE(DS),CSE(AIDS), AIDS,AIML)	<u>Professional Elective (PE) :-</u>	<u>Open Elective (OE I) :-</u>	.....	.....
				Software Engineering R203142A / Computer Vision R203142B / Data Visualization R203142C / DevOps R203142D	Optimization in Operations Research R203105E		
CSE (Data Science) (44)	Compiler Design (R2031421) (Common to CSE(AIML), CSE(AI),CSE(DS),C SE(AIDS),AIDS,AIM L,CSD)	Operating Systems (R2031422) (Common to CSE(AIML), CSE(AI),CSE(DS),CSE( AIDS),AIDS,AIML,CS D)	Machine Learning (R2031423) (Common to CSE(AIML),CSE(AI), CSE(DS),CSE(AIDS), AIDS,AIML)	<u>Professional Elective (PE) :-</u>	<u>Open Elective (OE I) :-</u>	.....	.....
				Software Engineering R203142A / DevOps R203142D / Object Oriented Analysis and Design R203144A / Internet of Things R203144B	Optimization in Operations Research R203105E		
CSE (Artificial Intelligence and Data Science) (45)	Compiler Design (R2031421) (Common to CSE(AIML), CSE(AI),CSE(DS),C SE(AIDS),AIDS,AIM L,CSD)	Operating Systems (R2031422) (Common to CSE(AIML), CSE(AI),CSE(DS),CSE( AIDS),AIDS,AIML,CS D)	Machine Learning (R2031423) (Common to CSE(AIML),CSE(AI), CSE(DS),CSE(AI DS),AIDS,AIML)	<u>Professional Elective (PE) :-</u>	<u>Open Elective (OE I) :-</u>	.....	.....
				Software Engineering R203142A / Object Oriented Analysis and Design R203144A / Internet of Things R203144B / DevOps R203142D	Optimization in Operations Research R203105E		
CSE (Cyber Security) (46)	Computer Networks (R2031461) (Common to CSE(CS),IOTCSIB CT,CSE(IOT),CS, CSBS)	Software Engineering (R2031462) (Common to CSE(CS),CS)	Design and Analysis of Algorithms (R2031463) (Common to CSE(CS),IOTCSOB CT,CSE(IOT),CS)	<u>Professional Elective (PE) :-</u>	<u>Open Elective (OE I) :-</u>	.....	.....
				Computer Graphics R203146A / Artificial Intelligence R203146B / Compiler Design R203146C / Advanced Data Structures R203146D / Principles of Programming Languages R203146E	Web Technologies R203146F / Data Structures R203146G / Computer Networks R203146H / Data Base Management Systems R203146I/ Problem Solving using Python R203146J		



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CSE (Internet of things and Cyber security including Block chain Technology) (47)	Computer Networks (R2031461) (Common to CSE(CS),IOTCSIBCT,CSE(IOT),CS,CSBS)	IoT Architecture and its Protocols (R2031471) (Common to IOTCSIBCT,CSE(IOT))	Design and Analysis of Algorithms (R2031463) (Common to CSE(CS),IOTCSOBC T,CSE(IOT),CS)	<b>Professional Elective (PE) :-</b>	<b>Open Elective (OE I) :-</b>	.....	.....
				Data Warehousing & Data Mining R203147A / Compiler Design R203146C / Software Engineering R203142A / Micro Processors & Micro Controllers R203147B / Computer Graphics R203146A	Web Technologies R203147C / Data Structures R203147D / Computer Networks R203147E / Data Base Management Systems R203147F / Problem Solving using Python R203147G / Open Electives offered by other Departments R203148D		
CSE (Internet of Things) (49)	Computer Networks (R2031461) (Common to CSE(CS),IOTCSIBCT,CSE(IOT),CS,CSBS)	IoT Architecture and its Protocols (R2031471) (Common to IOTCSIBCT,CSE(IOT))	Design and Analysis of Algorithms (R2031463) (Common to CSE(CS),IOTCSOBC T,CSE(IOT),CS)	<b>Professional Elective (PE) :-</b>	<b>Open Elective (OE I) :-</b>	.....	.....
				Compiler Design R203146C / Software Engineering R203142A / Computer Graphics R203146A / Principles of Programming Languages R203146E / Advanced Computer Architecture R203149A	Natural Language Processing R203149B / Data Structures R203149C / Computer Networks R203149D / Data Base Management System R203149E / Problem Solving using Python R203149F		
FOOD ENGINEERING (51)	Heat Transfer in Food Processing (R2031511)	Processing of Fruits Vegetables Spices and Plantation Crops (R2031512)	Food Plant Design and Process Economics (R2031513)	Transport Phenomena in Food Engineering R203151A / Statistical Methods in Food Engineering R203151B / Process Modeling and Simulation R203151C	Food Material Science and Engineering R203151D / Biochemical Engineering R203151E / Food Thermodynamics R203151F	.....	.....
ARTIFICIAL INTELLIGENCE AND DATA SCIENCE (54)	Compiler Design (R2031421) (Common to CSE(AIML), CSE(AI),CSE(DS), CSE(AIDS),AIDS, AIML,CSD)	Operating Systems (R2031422) (Common to CSE(AIML), CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD)	Machine Learning (R2031423) (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML)	<b>Professional Elective (PE) :-</b>	<b>Open Elective (OE I) :-</b>	.....	.....
				Software Engineering R203142A / DevOps R203142D / Object Oriented Analysis and Design R203144A / Internet of Things R203144B	Optimization in Operations Research R203105E		
PHARMACEUTICAL ENGINEERING (55)	Managerial Economics and Financial Accountancy (R2031551)	Pharmaceutical Engineering-I (R2031552)	Biopharmaceutics and Pharmacokinetics (R2031553)	<b>Professional Elective (PE) :-</b>	<b>Open Elective (OE I) :-</b>	Biostatistics R2031554	.....
				Quality Control and Assurance R203155A / Food Processing Technology R203155B / Pharmaceutical Biotechnology R203155C	Non-Conventional Energy Sources R203155D / Introduction to Data Structures R203155E / Design and Analysis of Experiments R203155F		



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<b>CYBER SECURITY (59)</b> (Common to CSE(CS),IOTCSIB CT,CSE(IOT),CS,C SBS)	Computer Networks <b>(R2031461)</b>	Software Engineering <b>(R2031462)</b> (Common to CSE(CS),CS)	Design and Analysis of Algorithms <b>(R2031463)</b> (Common to CSE(CS),IOTCSOB CT,CSE(IOT),CS)	Professional Elective (PE) :-	Open Elective (OE I) :-	.....	.....
				Computer Graphics <b>R203146A</b> / Artificial Intelligence <b>R203146B</b> / Compiler Design <b>R203146C</b> / Advanced Data Structures <b>R203146D</b> / Principles of Programming Languages <b>R203146E</b>	Web Technologies <b>R203146F</b> / Data Structures <b>R203146G</b> / Computer Networks <b>R203146H</b> / Data Base Management Systems <b>R203146I</b> / Problem Solving using Python <b>R203146J</b>		
<b>ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING (61)</b>	Compiler Design <b>(R2031421)</b> (Common to CSE(AIML), CSE(AI),CSE(DS), CSE(AIDS),AIDS, AIML,CSD)	Operating Systems <b>(R2031422)</b> (Common to CSE(AIML), CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML, CSD)	Machine Learning <b>(R2031423)</b> (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML)	Professional Elective (PE) :-	Open Elective (OE I) :-	.....	.....
				Software Engineering <b>R203142A</b> / Computer Vision <b>R203142B</b> / Data Visualization <b>R203142C</b> / DevOps <b>R203142D</b> / MOOC's/NPTEL <b>R203142E</b>	Optimization in Operations Research <b>R203105E</b>		

**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.

*H. R. K. K. K.*

**Controller of Examinations**

**DATE: 09 -12-2022**