JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

III B.TECH I SEMESTER (R20 REGULATION) REGULAR/SUPPLEMENTARY EXAMINATIONS, DECEMBER-2023

TIME TABLE

TIME: 10.00 AM TO 01.00 PM

BRANCH	18-12-2023 (Monday)	20-12-2023 (Wednesday)	22-12-2023 (Friday)	26-12-2023 (Tuesday)	28-12-2023 (Thursday)	30-12-2023 (Saturday)	30-12-2023 (Saturday)
CIVIL ENGINEERING (01 CE)	Structural Analysis (R2031011)	Design And Drawing of Reinforced Concrete Structures (R2031012)	Geotechnical Engineering - I (R2031013)	**Professional Elective (PE) :-** Construction Technology & Management R203101A / Remote Sensing and GIS R203101B / Environmental Impact Assessment R203101C / Low-Cost Housing R203101D	**Open Elective (OE I) :-** Strength of Materials R203101E / Fluid Mechanics R203101F / Surveying and Geomatics R203101G / Highway Engineering R203101H / Safety Engineering R203101I / Environmental Management R203101J / Urban Planning R203101K	……	Repair & Retro-Filling of Buildings (R203101P)
ELECTRICAL AND ELECTRONICS ENGINEERING (02 EEE)	Power Systems-II (R2031021)	Power Electronics (R2031022)	Control Systems (R2031023)	**Professional Elective (PE) :-** 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	**Open Elective (OE I) :-** 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) Power Quality (R203102L)
MECHANICAL ENGINEERING (03 ME)	Thermal Engineering-II (R2031031)	Design of Machine Members-I (R2031032)	Machining, Machine Tools & Metrology (R2031033)	**Professional Elective (PE) :-** Finite Element Methods R203103A / Industrial Robotics R203103B / Advanced Materials R203103C / Renewable Energy Sources R203103D / Mechanics of Composites R203103E / MOOCs (NPTEL/Swayam) R203103F	**Open Elective (OE I) :-** 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) :-** Antenna And Wave Propagation **R203104A** / Electronic Measurements & Instrumentation **R203104B** / Computer Architecture & Organization **R203104C**	**Open Elective (OE I) :-** 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**	Data Base Management Systems (R203105M)	Operating Systems (R203105N)
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) :-** Artificial Intelligence **R203105A** / Software Project Management **R203105B** / Distributed Systems **R203105C** / Advanced Unix Programming **R193205D**	**Open Elective (OE I) :-** 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**	Electronics Devices And Basic Circuits (R203104T) Statistical Foundation For Data Science (R203105P) Text Mining And Time Series Analysis (R203105O)	Digital Electronics (R203104U) Data Visulization (R203105Q) Mathematics For Machine Learning (R203105R) Public Key Infrastructure and Trust Management (R203105S)

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INFORMATION TECHNOLOGY (12 IT)	Computer Networks (R2031051) (Common to CSE,IT)	Design and Analysis of Algorithms (R2031052) (Common to CSE,IT)	Data Mining Techniques (R2031121)	**Professional Elective (PE II) :-** Artificial Intelligence **R203105A** / Distributed Systems **R203105C** / Advanced Unix Programming **R203105D** / Agile Software Process **R203112A**	**Open Elective (OE I) :-** 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**	…….	…….
AUTO MOBILE ENGINEERING (24 AME)	Theory of Machines (R2031241)	Production Technology (R2031242)	Vehicle Dynamics (R2031243)	**Professional Elective (PE) :-** 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**	**Open Elective (OE I) :-** Basic Automobile Engineering **R203124G** / Automobile Maintenance and Safety **R203124H** / Automobile Emissions and Effects **R203124I**	…….	…….
MINING ENGINEERING (26 MM)	Mine Hazards and Rescue (R2031261)	Underground Coal Mining (R2031262)	Mine Hoisting and Transportation (R2031263)	**Professional Elective (PE) :-** Remote Sensing and GIS **R203101B** / Resource Evaluation and Geo-Statistics - **R203126A** / Mine Planning and Design **R203126B** / Mine Safety & Ergonomics **R203126C**	**Open Elective (OE I) :-** Introduction to Underground Mining **R203126D** / Introduction to Surface Mining **R203126E** / Tunneling and Underground Space Design **R203126F** / Engineering Survey **R203126G**	…….	…….
AGRICULTURAL ENGINEERING (35 AGE)	Farm Machinery and Equipment - I (R2031351)	Surface Water Hydrology (R2031352)	Post Harvest Engineering of Cereals, Pulses and Oilseeds (R2031353)	**Professional Elective - I** Seed Processing and Storage Engineering **R203135A** / Greenhouse Technology **R203135B** / Tractor Design and Testing **R203135C**	**Open Elective - I** 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),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)	**Professional Elective (PE) :-** Software Engineering **R203142A** / Computer Vision **R203142B** / Data Visualization **R203142C** / DevOps **R203142D** / MOOC's-NPTEL **R203142E**	**Open Elective (OE I) :-** Optimization in Operations Research **R203105E**	…….	…….
CSE (Artificial Intelligence) (43)	Compiler Design **(R2031421)** (Common to CSE(AIML), CSE(AI),CSE(DS),CSE(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)	**Professional Elective (PE) :-** Software Engineering **R203142A** / Computer Vision **R203142B** / Data Visualization **R203142C** / DevOps **R203142D**	**Open Elective (OE I) :-** Optimization in Operations Research **R203105E**	…….	…….
CSE (Data Science) (44)	Compiler Design **(R2031421)** (Common to CSE(AIML), CSE(AI),CSE(DS),CSE(AIDS),AIM	Operating Systems **(R2031422)** (Common to CSE(AIML), CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CS	Machine Learning **(R2031423)** (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML)	**Professional Elective (PE) :-** Software Engineering **R203142A** / DevOps **R203142D** / Object Oriented Analysis and Design **R203144A** / Internet of Things **R203144B**	**Open Elective (OE I) :-** Optimization in Operations Research **R203105E**	…….	…….
CSE (Artificial Intelligence and Data Science) (45)	Compiler Design **(R2031421)** (Common to CSE(AIML), CSE(AI),CSE(DS),CSE(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)	**Professional Elective (PE) :-** Software Engineering **R203142A** / Object Oriented Analysis and Design **R203144A** / Internet of Things **R203144B** / DevOps **R203142D**	**Open Elective (OE I) :-** Optimization in Operations Research **R203105E**	…….	…….
CSE (Cyber Security) (46)	Computer Networks **(R2031461)** (Common to CSE(CS),IOTCSIBCT,CSE(IOT),CS, CSBS)	Software Engineering **(R2031462)** (Common to CSE(CS),CS)	Design and Analysis of Algorithms **(R2031463)** (Common to CSE(CS),IOTCSOBCT,CSE(IOT),CS)	**Professional Elective (PE) :-** Computer Graphics **R203146A** / Artificial Intelligence **R203146B** / Compiler Design **R203146C** / Advanced Data Structures **R203146D** / Principles of Programming Languages **R203146E**	**Open Elective (OE I) :-** 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),IOTCSOBCT,CSE(IOT),CS)	**Professional Elective (PE) :-** Data Warehousing & Data Mining **R203147A /** Compiler Design **R203146C /** Software Engineering **R203142A /** Micro Processors & Micro Controllers **R203147B /** Computer Graphics **R203146A**	**Open Elective (OE I) :-** 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),IOTCSOBCT,CSE(IOT),CS)	**Professional Elective (PE) :-** Compiler Design **R203146C /** Software Engineering **R203142A /** Computer Graphics **R203146A /** Principles of Programming Languages **R203146E /** Advanced Computer Architecture **R203149A**	**Open Elective (OE I) :-** 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)	**Professional Elective (PE) :-** Software Engineering **R203142A /** DevOps **R203142D /** Object Oriented Analysis and Design **R203144A /** Internet of Things **R203144B**	**Open Elective (OE I) :-** Optimization in Operations Research **R203105E**	…….	…….
PHARMACEUTICAL ENGINEERING (55)	Managerial Economics and Financial Accountancy **(R2031551)**	Pharmaceutical Engineering-I **(R2031552)**	Biopharmaceutics and Pharmacokinetics **(R2031553)**	**Professional Elective (PE) :-** Quality Control and Assurance **R203155A /** Food Processing Technology **R203155B /** Pharmaceutical Biotechnology **R203155C**	**Open Elective (OE I) :-** Non-Conventional Energy Sources **R203155D /** Introduction to Data Structures **R203155E /** Design and Analysis of Experiments **R203155F**	Biostatistics **R2031554**	…….

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CYBER SECURITY (59)	Computer Networks (**R2031461**) (Common to CSE(CS),IOTCSIBCT,CSE(IOT),CS,CSBS)	Software Engineering (**R2031462**) (Common to CSE(CS),CS)	Design and Analysis of Algorithms (**R2031463**) (Common to CSE(CS),IOTCSOBCT,CSE(IOT),CS)	**Professional Elective (PE) :-** Computer Graphics **R203146A** / Artificial Intelligence **R203146B** / Compiler Design **R203146C** / Advanced Data Structures **R203146D** / Principles of Programming Languages **R203146E**	**Open Elective (OE I) :-** Web Technologies **R203146F** / Data Structures **R203146G** / Computer Networks **R203146H** / Data Base Management Systems **R203146I** / Problem Solving using Python **R203146J**	…….	…….
ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING (61)	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)	**Professional Elective (PE) :-** Software Engineering **R203142A** / Computer Vision **R203142B** / Data Visualization **R203142C** / DevOps **R203142D** / MOOC's/NPTEL **R203142E**	**Open Elective (OE I) :-** Optimization in Operations Research **R203105E**	…….	…….
COMPUTER SCIENCE AND DESIGN (62)	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)	Human Computer Interaction (**R2031621**)	**Professional Elective (PE) :-** Software Engineering **R203142A** / Object Oriented Analysis and Design **R203144A** / Internet of Things **R203144B** / DevOps **R203142D**	**Open Elective (OE I) :-** Optimization in Operations Research **R203105E**	…….	…….

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 INCLUED IN THE ABOVE LIST IMMEDIATELY.

DATE: 27-11-2023

Controller of Examinations (UG)