



# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

IV B.TECH - I SEMESTER (R13) SUPPLEMENTARY EXAMINATIONS, JANUARY/FEBRUARY - 2022

## TIME TABLE

TIME: 10.00 AM TO 1.00 PM

Branch	31-01-2022 (Monday)	02-02-2022 (Wednesday)	04-02-2022 (Friday)	07-02-2022 (Monday)	09-02-2022 (Wednesday)	14-02-2022 (Monday)
<b>Civil Engineering (01)</b>	Environmental Engineering – II (RT41011)	Prestressed Concrete (RT41012)	Construction Technology and Management (RT41013)	Water Resource Engineering - II (RT41014)	Remote Sensing and GIS Applications (RT41015)	Elective-I: Ground Improvement Techniques (RT41016)/ Air Pollution and Control (RT41017)/ Matrix methods of Structural Analysis (RT41018)/ Urban Hydrology (RT41019)/ Advanced Surveying (RT4101A)/ Interior Designs and Decorations (RT4101B)
<b>Electronics &amp; Communication Engineering (04)</b>	VLSI Design (RT41041) (Common to ECE, EIE)	Computer Networks (RT41042)	Digital Image Processing (RT41043) (Common to ECE/EIE/ECC)	Computer Architecture & Organization (RT41044) (Common to ECE/EIE)	Elective-I: Electronic Switching Systems (RT41045)/ Analog IC Design (RT41046) (Common to ECE/EIE)/ Radar Systems (RT41048)/ Advanced Computer Architecture (RT41049) (Common to ECE/ECC)/ Object Oriented Programming & OS (RT41047)	Elective-II: Optical Communication (RT4104A)/ Digital IC Design (RT4104B)/ Speech Processing (RT4104C)/ Network Security & Cryptography (RT4104E)/ Artificial Neural Network & Fuzzy Logic (RT4104D)
<b>Computer Science &amp; Engineering (05)</b>	Cryptography and Network Security (RT41051) (Common to CSE/IT)	UML & Design Patterns (RT41052) (Common to CSE/IT)	Mobile Computing (RT41053) (Common to CSE/IT)	Elective-II: Digital Forensics (RT4105A)/ Hadoop and Big Data (RT4105B) (Common to CSE/IT)/ Software Project Management (RT4105C) (Common to CSE/IT)/ Machine Learning (RT4105D)/ Advanced Databases (RT4105E) (Common to CSE/IT)	Elective-I: Software Testing Methodologies (RT41054)/ Simulation Modeling (RT41055)/ Information Retrieval Systems (RT41056) (Common to CSE/IT)/ Artificial Intelligence (RT41057) (Common to CSE/ECC)/ Multimedia Computing (RT41058) (Common to CSE/IT)/ High Performance Computing (RT41059)	---

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<b>Electronics &amp; Instrumentation Engineering (10)</b>	VLSI Design <b>(RT41041)</b> (Common to ECE/EIE)	Management Science <b>(RT41102)</b>	Elective-II: Mixed Signal Design <b>(RT41106)</b> / Robotics & Automation <b>(RT41107)</b> / EMI/EMC <b>(RT41108)</b> / Digital Image Processing <b>(RT41043)</b> (Common to ECE/EIE/ECC) /Object Oriented Programming & OS <b>(RT41047)</b>	Computer Architecture & Organization <b>(RT41044)</b> (Common to ECE/EIE)	Elective-I: Quality and reliability Engineering Systems <b>(RT41103)</b> /Analog IC Design <b>(RT41046)</b> (Common to ECE/EIE)/ Digital Control Systems <b>(RT41104)</b> / Bio medical Instrumentation <b>(RT41105)</b> /Artificial Neural Network & Fuzzy Logic <b>(RT41109)</b>	Data Acquisition Systems <b>(RT41101)</b>
<b>Information Technology (12)</b>	Cryptography and Network Security <b>(RT41051)</b> (Common to CSE/IT)	UML & Design Patterns <b>(RT41052)</b> (Common to CSE/IT)	Mobile Computing <b>(RT41053)</b> (Common to CSE/IT)	Elective-II: Hadoop and Big Data <b>(RT4105B)</b> (Common to CSE/IT)/ Software Project Management <b>(RT4105C)</b> (Common to CSE/IT)/ Computer Vision <b>(RT41122)</b> / Advanced Databases <b>(RT4105E)</b> (Common to CSE/IT)	Elective-I: Embedded and Real Time Systems <b>(RT41121)</b> / Information Retrieval Systems <b>(RT41056)</b> (Common to CSE/IT)/ Multimedia Computing <b>(RT41058)</b> (Common to CSE/IT)	---
<b>Electronics &amp; Computer Engineering (19)</b>	Systems Programming <b>(RT41191)</b>	Digital Signal Processing <b>(RT41192)</b>	Digital Image Processing <b>(RT41043)</b> (Common to ECE/EIE/ECC)	Unix Programming <b>(RT41193)</b>	Elective-I: Artificial Intelligence <b>(RT41057)</b> (Common to CSE/ECC), Advanced Computer Architecture <b>(RT41049)</b> (Common to ECE/ECC), Data Communication <b>(RT41194)</b>	Elective-II: Web Design <b>(RT41195)</b> , Fuzzy Logic and Neural Networks <b>(RT41196)</b> , Structured Digital Design <b>(RT41197)</b>
<b>Agricultural Engineering (35)</b>	Micro Irrigation Engineering <b>(RT41351)</b>	Farm Machinery and Equipments - II <b>(RT41352)</b>	Post Harvest Engineering for Horticulture Produce <b>(RT41353)</b>	Mechanical Measurements and Instrumentation <b>(RT41354)</b>	Elective-I: Seed Processing and Storage Engineering <b>(RT41355)</b> , Managerial Economic & Financial Analysis <b>(RT41356)</b> , Food Processing Plant Design and Layout <b>(RT41357)</b>	Elective - II: Watershed Management <b>(RT41358)</b> , Food Packaging Technology <b>(RT41359)</b> , Computational Fluid Dynamics <b>(RT4135A)</b>

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<b>Electrical &amp; Electronics Engineering (02)</b>	Renewable Energy sources and Systems (RT41021)	HVAC & DC Transmission (RT41022)	Power Systems Operation & Control (RT41023)	Elective -I: VLSI Design (RT41028)/Electrical Distribution Systems (RT41029)/Optimization Techniques (RT4102A)	---	<b>OPEN ELECTIVES:</b> Energy Audit, Conservation and Management (RT41024)/ Instrumentation (RT41025)/ Non Conventional Sources of Energy (RT41026) (Except EEE)/ Optimization Techniques (RT41027) (Except EEE), MEMS (RT41035)/ Nano Technology (RT41036), Industrial Pollution Control Engineering (RT41085)/ Design and Analysis of Experiments (RT41086)/ Green Fuel Technologies (RT41087) , Airport Management (RT41214), Automotive Pollution & Control (RT41245), Advanced Materials (RT41246), Industrial Hydraulic & Pneumatics (RT41247), Industrial Robotics (RT41265), Environmental Impact Assessment (RT41266), Numerical Methods (RT41267), Fundamentals of Petroleum Industry (RT41275), , Energy Management (RT41276)
<b>Mechanical Engineering (03)</b>	Automobile Engineering (RT41031)	CAD/CAM (RT41032) (Common to ME/AE/AME)	Unconventional Machining Processes (RT41034)	Finite Element Methods (RT41033) (Common to ME/AE/AME)	Departmental Elective - II: Material Characterization Techniques (RT41037)/Design for Manufacture (RT41038)/Automation in Manufacturing (RT41039)/Industrial Hydraulics & Pneumatics (RT4103A), Advanced Computer Aided Engineering (RT4103B) (Under MOOCS)	
<b>Chemical Engineering (08)</b>	Transport Phenomena (RT41081)	Chemical Engineering Plant Design (RT41082)	Process Modelling and Simulation (RT41083)	Biochemical Engineering (RT41084)	Elective-I: Advanced Separation Technology (RT41088)/Nanotechnology (RT41089)/Polymer Technology (RT4108A)	
<b>Aeronautical Engineering (21)</b>	Vibrations and Structural Dynamics (RT41211)	Elective- II: Analysis of Composite Structure (RT41215), Air Line Management (RT41216), Helicopter Engineering (RT41217), Quality and Reliability Engineering (RT41218)	Avionics (RT41213)	Finite Element Methods (RT41033) (Common to ME/AE/AME)	Computational Fluid Dynamics (RT41212) (Common to AE/AME)	

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<b>Automobile Engineering (24)</b>	Vehicle Dynamics <b>(RT41244)</b>	CAD/CAM <b>(RT41032)</b> (Comm to ME/AME)	Automotive Chassis & Suspension <b>(RT41248)</b>	Finite Element Methods <b>(RT41033)</b> (Common to ME/AE/AME)	Elective-II: Micro Processors & Micro Controllers <b>(RT41241)</b> , Computational Fluid Dynamics <b>(RT41212)</b> (Common to AE/AME), Operation Research <b>(RT41242)</b> , Condition Monitoring <b>(RT41243)</b>	<b>OPEN ELECTIVES:</b> Energy Audit, Conservation and Management <b>(RT41024)/</b> Instrumentation <b>(RT41025)/</b> Non Conventional Sources of Energy <b>(RT41026)</b> (Except EEE)/ Optimization Techniques <b>(RT41027)</b> (Except EEE), MEMS <b>(RT41035)/</b> Nano Technology <b>(RT41036)</b> , Industrial Pollution Control Engineering <b>(RT41085)/</b> Design and Analysis of Experiments <b>(RT41086)/</b> Green Fuel Technologies <b>(RT41087)</b> , Airport Management <b>(RT41214)</b> , Automotive Pollution & Control <b>(RT41245)</b> , Advanced Materials <b>(RT41246)</b> , Industrial Hydraulic & Pneumatics <b>(RT41247)</b> , Industrial Robotics <b>(RT41265)</b> , Environmental Impact Assessment <b>(RT41266)</b> , Numerical Methods <b>(RT41267)</b> , Fundamentals of Petroleum Industry <b>(RT41275)</b> , , Energy Management <b>(RT41276)</b> Green Technologies <b>(RT41016F)</b>
<b>Mining Engineering (26)</b>	Mine Economics <b>(RT41261)</b>	Computer Applications in Mining <b>(RT41262)</b>	Rock Mechanics & Ground Control <b>(RT41263)</b>	Mine Legislation & General Safety <b>(RT41264)</b>	Industrial Engineering & Management <b>(RT41268)</b>	
<b>Petroleum Engineering (27)</b>	Integrated Asset Management <b>(RT41271)</b>	Enhanced Oil Recovery Techniques <b>(RT41272)</b>	HSE & FE in Petroleum Industry <b>(RT41273)</b>	Petroleum Reservoir Engineering - II <b>(RT41274)</b>	Elective-I: Offshore Engineering <b>(RT41277)</b> , Pipeline Engineering <b>(RT41278)</b> , Coal Bed Methane Engineering <b>(RT41279)</b>	

**NOTE:**

- i) ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS (UG) 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.

*Robert A. Kelly*

**Controller of Examinations**

**Date : 05.01.2022**