JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
EXAMINATION CENTER, KAKINADA - 533003
IV B.TECH - I SEMESTER (R13) ADVANCED SUPPLEMENTARY EXAMINATIONS, FEB/MARCH - 2018
T I M E T A B L E

T I M E: 10.00 AM TO 1.00 PM

Branch	26.02.2018 (Monday)	27.02.2018 (Tuesday)	28.02.2018 (Wednesday)	01.03.2018 (Thursday)	03.03.2018 (Saturday)	05.03.2018 (Monday)
Civil Engineering (01)	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)/ Urbon Hydrology (RT41019)/ Advanced Surveying (RT4101A)/ Interior Designs and Decoriations (RT4101B)
Electronics & Communication Engineering (04)	**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)
Computer Science & Engineering (05)	**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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Electronics & Instrumentation Engineering (10)	**VLSI Design (RT41041) (Common to ECE/EIE)**	Management Science (RT41102)	**Elective-II:** Mixed Signal Design (RT41106)/ Robotics & Automation (RT41107)/ EMI/EMC (RT41108)/ **Digital Image Processing (RT41043) (Common to ECE/EIE/ECC)** /Object Oriented Programming & OS (RT41047)	**Computer Architecture & Organization (RT41044) (Common to ECE/EIE)**	**Elective-I**:Quality and reliability Engineering Systems (RT41103)/**Analog IC Design (RT41046) (Common to ECE/EIE)**/ Digital Control Systems (RT41104)/ Bio medical Instrumentation (RT41105)/Artificial Neural Network & Fuzzy Logic (RT41109)	Data Acquisition Systems (RT41101),
Information Technology (12)	**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**: Hadoop and Big Data (RT4105B)(Common to CSE/IT)/ Software Project Management (RT4105C) (Common to CSE/IT)/ Computer Vision (RT41122)/ Advanced Databases (RT4105E)(Common to CSE/IT)	**Elective-I**: Embedded and Real Time Systems (RT41121)/ **Information Retrieval Systems (RT41056) (Common to CSE/IT)/ Multimedia Computing (RT41058) (Common to CSE/IT)**	---
Electronics & Computer Engineering (19)	Systems Programming (RT41191)	Digital Signal Processing (RT41192)	**Digital Image Processing (RT41043) (Common to ECE/EIE/ECC)**	Unix Programming (RT41193)	**Elective-I**: **Artificial Intelligence (RT41057) (Common to CSE/ECC), Advanced Computer Architecture(RT41049)(Common to ECE/ECC)** , Data Communication (RT41194)	**Elective-II:**Web Design (RT41195), Fuzzy Logic and Neural Networks (RT41196), Structured Digital Design (RT41197)
Agricultural Engineering (35)	Micro Irrigation Engineering (RT41351)	Farm Machinery and Equipments - II (RT41352)	Post Harvest Engineering for Horticulture Produce (RT41353)	Mechanical Measurements and Instrumentation (RT41354)	**Elective-I**: Seed Processing and Storage Engineering (RT41355), Managerial Economic & Financial Analysis (RT41356), Food Processing Plant Design and Layout (RT41357)	**Elective - II**: Watershed Management (RT41358), Food Packaging Technology (RT41359), Computational Fluid Dynamics (RT4135A)

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Electrical & Electronics Engineering (02)	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)	---	**OPEN ELECTIVES:** 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)
Mechanical Engineering (03)	Automobile Engineering (RT41031)	**CAD/CAM (RT41032) (Common to ME/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**)	
Chemical Engineering (08)	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)	
Aeronautical Engineering (21)	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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Automobile Engineering (24)	Vehicle Dynamics (RT41244)	**CAD/CAM (RT41032) (Common to ME/AME**	Automotive Chassis & Suspension (RT41248)	**Finite Element Methods (RT41033)(Common to ME/AE/AME)**	**Elective-II**: Micro Processors & Micro Controllers (RT41241), **Computational Fluid Dynamics (RT41212)(Common to AE/AME)**,Operation Research (RT41242),Condition Monitoring (RT41243)	**OPEN ELECTIVES:** 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) Green Technologies (RT41016F)
Mining Engineering (26)	Mine Economics (RT41261)	Computer Applications in Mining (RT41262)	Rock Mechanics & Ground Control (RT41263)	Mine Legislation & General Safety (RT41264)	Industrical Engineering & Management (RT41268)	
Petroleum Engineering (27)	Integrated Asset Management (RT41271)	Enhanced Oil Recovery Techniques (RT41272)	HSE & FE in Petroleum Industry (RT41273)	Petroleum Reservoir Engineering - II (RT41274)	**Elective-I**: Offshore Engineering (RT41277), Pipeline Engineering (RT41278), Coal Bed Methane Engineering (RT41279)	

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 INCLUED IN THE ABOVE LIST IMMEDIATELY.

N. Mohan Rao

Controller of Examinations

Date: 15.02.2018