

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY-HYDERABAD-500085

EXAMINATION BRANCH

M.TECH-II SEMESTER -R13 REGULATION-SUPPLEMENTARY EXAMINATIONS JANUARY-2018

T I M E T A B L E

TIME : 10.00 AM TO 1:00 PM

COURSE	05-01-2018 FRIDAY	08-01-2018 MONDAY	10-01-2018 WEDNESDAY	12-01-2018 FRIDAY	18-01-2018 THURSDAY	20-01-2018 SATURDAY	23-01-2018 TUESDAY	25-01-2018 THURSDAY
BIOTECHNOLOGY-03	BIOREACTOR ENGINEERING	GENETIC ENGINEERING	DOWNSTREAM PROCESSING	ELECTIVE III/IV/V ENVIRONMENTAL BIOTECHNOLOGY	ELECTIVE III/IV/V PLANT BIOTECHNOLOGY	ELECTIVE III/IV/V ANIMAL CELL SCIENCE AND TECHNOLOGY	ELECTIVE III/IV/V NANO BIOTECHNOLOGY AND NANO DEVICES BIOINFORMATICS ADVANCED IMMUNOLOGY AND IMMUNOTECHNOLOGY	
CAD/CAM-04	DESIGN OF HYDRAULICS AND PNEUMATICS SYSTEMS	FLEXIBLE MANUFACTURING SYSTEMS	INDUSTRIAL ROBOTICS	COMPUTER AIDED MANUFACTURING	ELECTIVE III COMPUTATIONAL FLUID DYNAMICS AUTOMATION IN MANUFACTURING PRODUCTION AND OPERATIONS MANAGEMENT	ELECTIVE IV INTELLIGENT MANUFACTURING SYSTEMS DESIGN OPTIMIZATION		ELECTIVE IV COMPUTER AIDED PROCESS PLANNING
COMPUTER SCIENCE-05	ADVANCED NETWORK PROGRAMMING	WEB SERVICES AND SERVICE ORIENTED ARCHITECTURE	WIRELESS NETWORKS AND MOBILE COMPUTING	ELECTIVE IV SEMANTIC WEB AND SOCIAL NETWORKS	ELECTIVE III ADVANCED DATA MINING STORAGE AREA NETWORKS DATABASE SECURITY	ELECTIVE IV CLOUD COMPUTING	ADVANCED DATABASES	ELECTIVE IV INFORMATION RETRIEVAL SYSTEMS
DIGITAL SYSTEM & COMPUTER ELECTRONICS-06	ADVANCED COMPUTER ARCHITECTURE		EMBEDDED REAL TIME OPERATING SYSTEMS		ELECTIVE III CPLD AND FPGA ARCHITECTURES AND APPLICATIONS SYSTEM ON CHIP ARCHITECTURE NETWORK SECURITY AND CRYPTOGRAPHY	ELECTIVE IV DIGITAL SIGNAL PROCESSORS AND ARCHITECTURES TCP/IP AND ATM NETWORKS CMOS MIXED SIGNAL CIRCUIT DESIGN	LOW POWER VLSI DESIGN	DESIGN FOR TESTABILITY
ELECTRICAL POWER SYSTEM-07	POWER SYSTEM DYNAMICS	AI TECHNIQUES IN ELECTRICAL POWER ENGINEERING	POWER SYSTEM OPERATION AND DEREGULATION	ELECTIVE III GAS INSULATED SYSTEMS(GIS) ELECTRIC SMART GRID ENERGY AUDITING CONSERVATION AND MANAGEMENT		ELECTIVE IV VOLTAGE STABILITY REACTIVE POWER COMPENSATION AND MANAGEMENT POWER SYSTEM RELIABILITY		FLEXIBLE AC TRANSMISSION SYSTEMS (FACTS)
ENERGY SYSTEMS-10	PHOTOVOLTAIC & SOLAR THERMAL SYSTEMS	DESIGN AND OPTIMISATION OF ENERGY SYSTEMS	THERMAL ENERGY MANAGEMENT AND CONSERVATION	ELECTRICAL ENERGY MANAGEMENT AND CONSERVATION	ELECTIVE III SOLAR REFRIGERATION AND AIR CONDITIONING ADVANCED CONTROL SYSTEMS HYDEL POWER ENGINEERING STEAM AND GAS TURBINES	ELECTIVE IV COMPUTATIONAL FLUID DYNAMICS BIO-CONVERSION & PROCESSING OF WASTE COGENERATION GREEN BUILDINGS CONCEPTS		
ENVIRONMENTAL ENGINEERING-11	AIR POLLUTION AND CONTROL	INDUSTRIAL WASTE WATER TREATMENT	SOLID WASTE MANAGEMENT	ENVIRONMENTAL IMPACT ASSESMENT	ELECTIVE III WATER QUALITY MODELING DISASTER MANAGEMENT GROUND WATER CONTAMINATION AND REMEDIATION	ELECTIVE IV ENVIRONMENTAL BIOTECHNOLOGY ENVIRONMENTAL GEOTECHNOLOGY REMOTE SENSING AND GIS		

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GEOTECHNICAL ENGINEERING-12	GEOSYNTHETICS & SOIL REINFORCEMENT	EARTH & ROCK FILL DAMS AND SLOPE STABILITY	RETAINING STRUCTURES	SOIL - STRUCTURE INTERACTION	ELECTIVE III ROCK MECHANICS AND ENGINEERING THEORETICAL SOIL MECHANICS GEOTECHNICAL EARTHQUAKE ENGINEERING	ELECTIVE IV ENVIRONMENTAL IMPACT ASSESSMENT AND MANAGEMENT GEOGRAPHICAL INFORMATION SYSTEMS PAVEMENT ANALYSIS AND DESIGN		
INDUSTRIAL ENGINEERING AND MANAGEMENT-13	SIMULATION MODELING & ANALYSIS OF MANUFACTURING SYSTEMS	SUPPLY CHAIN MANAGEMENT	PRODUCTION AND OPERATIONS MANAGEMENT	RELIABILITY ENGINEERING AND MAINTENANCE MANAGEMENT	ELECTIVE III ENTERPRISE RESOURCE PLANNING TOTAL QUALITY MANAGEMENT	ELECTIVE IV MARKETING MANAGEMENT ENERGY MANAGEMENT		
MACHINE DESIGN-15	ADVANCED MECHANICS OF MACHINERY	MECHANICAL VIBRATIONS	ELECTIV III INDUSTRIAL ROBOTICS	EXPERIMENTAL STRESS ANALYSIS	ELECTIVE III NON LINEAR VIBRATIONS DESIGN SYNTHESIS PRESSURE VESSEL DESIGN	ELECTIVE IV SIGNAL ANALYSIS AND CONDITION MONITORING THEORY OF PLATES AND SHELLS MECHATRONICS	ELECTIVE IV COMPUTATIONAL FLUID DYNAMICS	ADVANCED OPTIMIZATION TECHNIQUES AND APPLICATIONS
PRODUCTION ENGINEERING-16	PRECISION ENGINEERING	RAPID PROTOTYPING TECHNOLOGIES	ELECTIVE IV INDUSTRIAL ROBOTICS	AUTOMATION IN MANUFACTURING	ELECTIVE III FINITE ELEMENT TECHNIQUES DESIGN AND MANUFACTURE OF MEMS & MICRO SYSTEMS INTELLIGENT MANUFACTURING SYSTEMS	ELECTIVE IV DESIGN FOR MANUFACTURE & ASSEMBLY MECHATRONICS	OPTIMIZATION TECHNIQUES AND APPLICATIONS	
STRUCTURAL ENGINEERING-20	ELECTIVE III PRE STRESSED CONCRETE	STRUCTURAL DYNAMICS	ANALYSIS AND DESIGN OF SHELLS AND FOLDED PLATES	ADVANCED, STEEL DESIGN	ELECTIVE III ADVANCED FOUNDATION ENGINEERING COMPUTER AIDED DESIGN IN STRUCTURAL ENGINEERING (CAD)	ELECTIVE IV PLASTIC ANALYSIS AND DESIGN. EARTHQUAKE RESISTANT DESIGN OF BUILDINGS PRINCIPLES OF BRIDGE ENGINEERING	ELECTIVE IV STABILITY OF STRUCTURES	FINITE ELEMENT METHODS
THERMAL ENGINEERING-21	FUELS COMBUSTION & ENVIRONMENT	ENERGY MANAGEMENT	COMPUTATIONAL FLUID DYNAMICS		ELECTIVE III CONVECTIVE HEAT TRANSFER EQUIPMENT DESIGN FOR THERMAL SYSTEMS THERMAL & NUCLEAR POWER PLANTS	ELECTIVE IV THERMAL MEASUREMENTS AND PROCESS CONTROLS JET PROPULSION & ROCKETRY REFRIGERATION & AIR-CONDITIONING	ADVANCED FINITE ELEMENT ANALYSIS	
TRANSPORTATION ENGINEERING-22	TRAFFIC ANALYSIS	LAND USE TRANSPORTATION MODELING	HIGHWAY PROJECT FORMULATION & ECONOMICS	PAVEMENT ANALYSIS AND DESIGN	ELECTIVE III/IV INTELLIGENT TRANSPORTATION SYSTEMS OPTIMIZATION TECHNIQUES	ELECTIVE III/IV RURAL ROAD	ELECTIVE III/IV PAVEMENT CONSTRUCTION MAINTENANCE AND MANAGEMENT	ELECTIVE III/IV GIS APPLICATIONS IN TRANSPORTATION ENGINEERING ENVIRONMENTAL IMPACT ASSESSMENT FOR TRANSPORTATION PROJECTS

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SOFTWARE ENGINEERING-25	SOFTWARE ARCHITECTURE AND DESIGN PATTERNS	SOFTWARE PROCESS AND PROJECT MANAGEMENT	SOFTWARE QUALITY ASSURANCE AND TESTING	COMPONENT BASED SOFTWARE ENGINEERING	ELECTIVE III SEMANTIC WEB AND SOCIAL NETWORKS SCRIPTING LANGUAGES	ELECTIVE IV BUSINESS PROCESS MANAGEMENT CLOUD COMPUTING	ELECTIVE IV ADVANCED DATABASES	ELECTIVE III INFORMATION RETRIEVAL systems
MICRO WAVE AND RADAR ENGINEERING-30	MICROWAVE NETWORKS	RADAR SIGNAL PROCESSING	MICROWAVE SOLID STATE DEVICES	PHASED ARRAY SYSTEMS	ELECTIVE III SOFTWARE RADIO RF CIRCUIT DESIGN OPTICAL COMMUNICATION TECHNOLOGY	ELECTIVE IV SMART ANTENNAS DETECTION AND ESTIMATION THEORY WIRELESS COMMUNICATIONS AND NETWORKS		
ADVANCED MANUFACTURING SYSTEMS-33	SIMULATION MODELING OF MANUFACTURING SYSTEMS	QUALITY ENGINEERING IN MANUFACTURING	PRODUCTION AND OPERATIONS MANAGEMENT	MATERIALS TECHNOLOGY	ELECTIVE III DESIGN AND MANUFACTURING OF MEMS AND MICRO SYSTEMS INDUSTRIAL ROBOTICS	ELECTIVE IV COMPUTATIONAL FLUID DYNAMICS PERFORMANCE MODELING AND ANALYSIS OF MANUFACTURING SYSTEMS	ELECTIVE III ADVANCED TOOL DESIGN	ELECTIVE IV INTELLIGENT MANUFACTURING SYSTEMS
COMPUTER AND COMMUNICATION ENGINEERING-36	WIRELESS COMMUNICATIONS AND NETWORKS	CODING THEORY AND TECHNIQUES	NETWORK SECURITY AND CRYPTOGRAPHY	ADVANCED COMPUTER NETWORKS	ELECTIVE III MOBILE COMPUTING TECHNOLOGIES ADVANCED COMPUTER ARCHITECTURE OPTICAL NETWORKS	ELECTIVE IV TELECOMMUNICATION SWITCHING SYSTEMS AND NETWORKS DATA BASE MANAGEMENT SYSTEMS OPTICAL COMMUNICATIONS TECHNOLOGY		
CONTROL ENGINEERING-37	OPTIMAL CONTROL THEORY	ADAPTIVE CONTROL THEORY	NEURAL NETWORKS & FUZZY SYSTEMS	CONTROL SYSTEM DESIGN	ELECTIVE III NON-LINEAR SYSTEMS PROCESS DYNAMICS AND CONTROL DISTRIBUTED CONTROL SYSTEMS	ELECTIVE IV INTELLIGENT AND KNOWLEDGE BASED SYSTEMS REAL TIME SYSTEMS ADVANCED DIGITAL SIGNAL PROCESSING		
DIGITAL ELECTRONICS AND COMMUNICATION SYSTEMS/ENGG-38		ELECTIVE III SPEECH PROCESSING OPTICAL NETWORKS RADAR SIGNAL PROCESSING	OPTICAL COMMUNICATIONS TECHNOLOGY	WIRELESS COMMUNICATIONS AND NETWORKS	IMAGE AND VIDEO PROCESSING	ELECTIVE IV DIGITAL SIGNAL PROCESSORS AND ARCHITECTURES NETWORK SECURITY AND CRYPTOGRAPHY SATELLITE COMMUNICATIONS		CODING THEORY AND TECHNIQUES
INFORMATION TECHNOLOGY-40		WEB SERVICES AND SERVICE ORIENTED ARCHITECTURE	ELECTIVE III EMBEDDED SYSTEMS SEMANTIC WEB AND SOCIAL NETWORKS MACHINE LEARNING	MOBILE APPLICATION DEVELOPMENT	INFORMATION SECURITY AND AUDIT	ELECTIVE IV SOFTWARE TESTING & QUALITY ASSURANCE BIO-INFORMATICS MOBILE COMMERCE	CLOUD COMPUTING	

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POWER AND INDUSTRIAL DRIVES-42	POWER ELECTRONIC CONVERTERS-II		POWER ELECTRONIC CONTROL OF AC DRIVES	NEURAL NETWORKS AND FUZZY SYSTEMS	ELECTIVE III POWER QUALITY DIGITAL CONTROL SYSTEMS ADVANCED DIGITAL SIGNAL PROCESSING	ELECTIVE IV HIGH-FREQUENCY MAGNETIC COMPONENTS RENEWABLE ENERGY SYSTEMS DYNAMICS OF ELECTRICAL MACHINES		FLEXIBLE AC TRANSMISSION SYSTEMS (FACTS)
POWER ELECTRONICS-43	POWER ELECTRONIC CONVERTERS-II		POWER ELECTRONIC CONTROL OF AC DRIVES	NEURAL NETWORKS AND FUZZY SYSTEMS	ELECTIVE III DIGITAL CONTROL SYSTEMS	ELECTIVE IV DYNAMICS OF ELECTRICAL MACHINES HIGH-FREQUENCY MAGNETIC COMPONENTS RENEWABLE ENERGY SYSTEMS	ELECTIVE III ADVANCED DIGITAL SIGNAL PROCESSING POWER QUALITY	FLEXIBLE AC TRANSMISSION SYSTEMS (FACTS)
SYSTEMS & SIGNAL PROCESSING-45	ADAPTIVE SIGNAL PROCESSING		SPEECH PROCESSING	DIGITAL SIGNAL PROCESSORS AND ARCHITECTURES	ELECTIVE III EMBEDDED REAL-TIME OPERATING SYSTEMS AD-HOC AND WIRELESS SENSOR NETWORKS CPLD AND FPGA ARCHITECTURES AND APPLICATION	ELECTIVE IV DIGITAL CONTROL SYSTEMS SYSTEM ON CHIP ARCHITECTURE IMAGE AND VIDEO PROCESSING		CODING THEORY AND TECHNIQUES
GEO-INFORMATICS & SURVEYING TECHNOLOGY-47	DIGITAL PHOTOGRAMMETRY	GIS ANALYSIS AND APPLICATIONS	REMOTE SENSING APPLICATIONS	GNSS SURVEYING	GIS PROJECT PLANNING & MANAGEMENT	ELECTIVE II ADVANCED GEO SPATIAL TECHNOLOGY REMOTE SENSING AND GIS FOR URBAN PLANNING AND MANAGEMENT REMOTE SENSING AND GIS FOR ENVIRONMENTAL ENGINEERING DIGITAL IMAGE PROCESSING-II		
ELECTRICAL POWER ENGINEERING-49	POWER SYSTEM DYNAMICS		POWER SYSTEM OPERATION AND DEREGULATION	AI TECHNIQUES IN ELECTRICAL POWER ENGINEERING	ELECTIVE III ENERGY AUDITING CONSERVATION AND MANAGEMENT GAS INSULATED SYSTEMS(GIS) ELECTRIC SMART GRID	ELECTIVE IV VOLTAGE STABILITY POWER SYSTEM RELIABILITY REACTIVE POWER COMPENSATION AND MANAGEMENT		FLEXIBLE AC TRANSMISSION SYSTEMS (FACTS)
CHEMICAL ENGINEERING-51	SEPARATION PROCESSES	ADVANCED PROCESS CONTROL	PROCESS MODELING & SIMULATION	ENVIRONMENTAL ENGINEERING	ELECTIVE III BIOPROCESS ENGINEERING NANOTECHNOLOGY COLLOIDAL INTERFACIAL ENGINEERING	ELECTIVE IV DESIGN & ANALYSIS OF EXPERIMENTS INDUSTRIAL SAFETY FLUIDIZATION ENGINEERING		
DESIGN FOR MANUFACTURING-52	DESIGN OF HYDRAULICS AND PNEUMATICS SYSTEMS	SIMULATION MODELING & ANALYSIS OF MANUFACTURING SYSTEM	COMPUTER AIDED MANUFACTURING	DESIGN AND MANUFACTURING OF MEMS AND MICRO SYSTEMS	ELECTIVE III INDUSTRIAL ROBOTICS PRODUCTION AND OPERATIONS MANAGEMENT ADVANCED TOOL DESIGN	ELECTIVE IV AUTOMATION IN MANUFACTURING PERFORMANCE MODELING AND ANALYSIS OF MANUFACTURING SYSTEMS COMPUTATIONAL FLUID DYNAMICS		

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POWER SYSTEM CONTROL AND AUTOMATION-53	POWER SYSTEM DYNAMICS		POWER SYSTEM OPERATION AND DEREGULATION	AI TECHNIQUES IN ELECTRICAL POWER ENGINEERING	ELECTIVE III ELECTRIC SMART GRID ENERGY AUDITING CONSERVATION AND MANAGEMENT GAS INSULATED SYSTEMS(GIS)	ELECTIVE IV POWER SYSTEM RELIABILITY VOLTAGE STABILITY REACTIVE POWER COMPENSATION AND MANAGEMENT		FLEXIBLE AC TRANSMISSION SYSTEMS (FACTS)
POWER ELECTRONICS AND ELECTRIC DRIVES-54	POWER ELECTRONIC CONVERTERS-II		POWER ELECTRONIC CONTROL OF AC DRIVES	NEURAL NETWORKS AND FUZZY SYSTEMS	ELECTIVE III DIGITAL CONTROL SYSTEMS ADVANCED DIGITAL SIGNAL PROCESSING	ELECTIVE IV HIGH-FREQUENCY MAGNETIC COMPONENTS RENEWABLE ENERGY SYSTEMS DYNAMICS OF ELECTRICAL MACHINES	ELECTIVE III POWER QUALITY	FLEXIBLE AC TRANSMISSION SYSTEMS (FACTS)
EMBEDDED SYSTEMS-55	HARDWARE SOFTWARE CO-DESIGN	DIGITAL SIGNAL PROCESSORS AND ARCHITECTURES		EMBEDDED NETWORKING	ELECTIVE III SENSORS AND ACTUATORS WIRELESS COMMUNICATIONS AND NETWORKS NETWORK SECURITY AND CRYPTOGRAPHY	ELECTIVE IV SYSTEM ON CHIP ARCHITECTURE WIRELESS LANS AND PANS MULTIMEDIA AND SIGNAL CODING	CPLD AND FPGA ARCHITECTURES AND APPLICATIONS	
POWER SYSTEM (HIGH VOLTAGE)-56	HIGH VOLTAGE TESTING TECHNOLOGY	EHV AC TRANSMISSION	SURGE PHENOMENA AND INSULATION COORDINATION	ADVANCED POWER SYSTEM PROTECTION	ELECTIVE III POWER SYSTEM TRANSIENTS PROGRAMMABLE LOGIC CONTROLLERS AND THEIR APPLICATIONS PARTIAL DISCHARGE IN HIGH VOLTAGE EQUIPMENT	ELECTIVE IV HV TRANSFORMERS PULSE POWER ENGINEERING ADVANCED EM FIELDS		
VLSI SYSTEM DESIGN / VLSI DESIGN-57		CMOS MIXED SIGNAL CIRCUIT DESIGN	CAD FOR VLSI CIRCUITS	ELECTIVE III DIGITAL SIGNAL PROCESSORS AND ARCHITECTURES	ELECTIVE III SCRIPTING LANGUAGES VLSI SIGNAL PROCESSING	ELECTIVE IV OPTIMIZATION TECHNIQUES IN VLSI DESIGN SYSTEM ON CHIP ARCHITECTURE SEMICONDUCTOR MEMORY DESIGN AND TESTING	LOW POWER VLSI DESIGN	DESIGN FOR TESTABILITY
COMPUTER SCIENCE ENGINEERING-58	ADVANCED NETWORK PROGRAMMING	WEB SERVICES AND SERVICE ORIENTED ARCHITECTURE	GRID AND CLOUD COMPUTING	ELECTIVE IV SEMANTIC WEB AND SOCIAL NETWORKS	ELECTIVE III DATABASE SECURITY ADVANCED DATA MINING STORAGE AREA NETWORKS	ELECTIVE IV WIRELESS NETWORKS AND MOBILE COMPUTING	ADVANCED DATABASES	ELECTIVE IV INFORMATION RETRIEVAL SYSTEMS
COMMUNICATION SYSTEMS-61	WIRELESS LANS AND PANS	CODING THEORY AND TECHNIQUES	OPTICAL COMMUNICATIONS TECHNOLOGY	TCP/IP AND ATM NETWORKS	ELECTIVE III OPTICAL NETWORKS MOBILE COMPUTING TECHNOLOGIES AD-HOC AND WIRELESS SENSOR NETWORKS	ELECTIVE IV NETWORK SECURITY AND CRYPTOGRAPHY SOFTWARE RADIO PROPAGATION MODELS FOR WIRELESS COMMUNICATIONS		

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WEB TECHNOLOGIES-62	WEB SECURITY	WEB SERVICES AND SERVICE ORIENTED ARCHITECTURE	SEMANTIC WEB & SOCIAL NETWORKS	SCRIPTING LANGUAGES	ELECTIVE III MULTIMEDIA AND RICH INTERNET APPLICATIONS STORAGE AREA NETWORKS ADVANCED DATA MINING	ELECTIVE IV BUSINESS INTELLIGENCE & BIG DATA SOFTWARE ARCHITECTURE AND DESIGN PATTERNS INFORMATION RETRIEVAL SYSTEMS		
IMAGE PROCESSING-63	REMOTE SENSING & GIS	NEURAL NETWORKS	ROBOTICS AND MACHINE VISION	PARALLEL ALGORITHMS	ELECTIVE III BIOMETRICS DATA MINING RADAR IMAGING	ELECTIVE IV MULTIMEDIA DATABASES GENETIC ALGORITHMS STORAGE AREA NETWORKS		
POWER ENGINEERING AND ENERGY SYSTEMS-64	POWER SYSTEM DYNAMICS		POWER SYSTEM OPERATION AND DEREGULATION	AI TECHNIQUES IN ELECTRICAL POWER ENGINEERING	ELECTIVE III ENERGY AUDITING CONSERVATION AND MANAGEMENT GAS INSULATED SYSTEMS(GIS) ELECTRIC SMART GRID	ELECTIVE IV VOLTAGE STABILITY POWER SYSTEM RELIABILITY REACTIVE POWER COMPENSATION AND MANAGEMENT		FLEXIBLE AC TRANSMISSION SYSTEMS (FACTS)
WIRELESS AND MOBILE COMMUNICATION-65	WIRELESS COMMUNICATIONS & NETWORKS	CODING THEORY AND TECHNIQUES	OPTICAL COMMUNICATIONS TECHNOLOGY	TELECOMMUNICATION SWITCHING SYSTEMS AND NETWORKS WIRELESS LANS AND PANS	ELECTIVE III MOBILE COMPUTING TECHNOLOGIES OPTICAL NETWORKS AD-HOC AND WIRELESS SENSOR NETWORKS	ELECTIVE IV PROPAGATION MODELS FOR WIRELESS COMMUNICATIONS SOFTWARE RADIO	ELECTIVE IV NETWORK SECURITY AND CRYPTOGRAPHY	
NANO TECHNOLOGY-66	MATERIAL CHARACTERIZATION TECHNIQUES	CARBON NANOTUBES AND APPLICATIONS	NANO COMPOSITES – DESIGN AND SYNTHESIS	ELECTIVE-III MICRO/NANO FABRICATION	ELECTIVE I NANO ELECTRONICS AND NANO PHOTONICS ACTUATORS AND SENSORS MEMS/NEMS DESIGN AND APPLICATION	ELECTIVE II STRENGTHENING MECHANISMS WITH NANOMATERIALS NANOTECHNOLOGY FOR ENERGY SYSTEMS ENVIRONMENTAL NANO TECHNOLOGY		
VLSI AND EMBEDDED SYSTEMS-68	EMBEDDED C	CMOS MIXED SIGNAL CIRCUIT DESIGN	EMBEDDED REAL TIME OPERATING SYSTEMS	ELECTIVE III DIGITAL SIGNAL PROCESSORS AND ARCHITECTURES	ELECTIVE III SYSTEM ON CHIP ARCHITECTURE EMBEDDED NETWORKING	ELECTIVE IV SEMICONDUCTOR MEMORY DESIGN AND TESTING SENSORS AND ACTUATORS	ELECTIVE IV LOW POWER VLSI DESIGN	DESIGN FOR TESTABILITY
NEURAL NETWORKS -69	PATTERN RECOGNITION	GENETIC ALGORITHMS	DATA MINING	NATURAL LANGUAGE PROCESSING	ELECTIVE III WEB SERVICES JAVA & WEB TECHNOLOGIES SEMANTIC WEB AND SOCIAL NETWORKS	ELECTIVE IV DISTRIBUTED SYSTEMS INFORMATION RETRIEVAL SYSTEMS INFORMATION SECURITY		
ELECTRONICS AND COMMUNICATION ENGINEERING-70	WIRELESS COMMUNICATIONS AND NETWORKS	ELECTIVE III OPTICAL NETWORKS RADAR SIGNAL PROCESSING SPEECH PROCESSING	OPTICAL COMMUNICATIONS TECHNOLOGY		IMAGE AND VIDEO PROCESSING	ELECTIVE IV SATELLITE COMMUNICATIONS DIGITAL SIGNAL PROCESSORS AND ARCHITECTURES NETWORK SECURITY AND CRYPTOGRAPHY		CODING THEORY AND TECHNIQUES

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PARALLEL COMPUTING-74	DISTRIBUTED DATABASES	INFORMATION SECURITY	ADHOC AND SENSOR NETWORKS	GRID AND CLOUD COMPUTING	ELECTIVE III PATTERN RECOGNITION DATA MINING MACHINE LEARNING	ELECTIVE IV ADVANCED COMPUTER NETWORKS PERVASIVE COMPUTING STORAGE AREA NETWORKS		
CONTROL SYSTEMS-75	OPTIMAL CONTROL THEORY	ADAPTIVE CONTROL THEORY	CONTROL SYSTEM DESIGN	NEURAL NETWORKS & FUZZY SYSTEMS	ELECTIVE III DISTRIBUTED CONTROL SYSTEMS PROCESS DYNAMICS AND CONTROL	ELECTIVE IV REAL TIME SYSTEMS INTELLIGENT AND KNOWLEDGE BASED SYSTEMS	ELECTIVE IV ADVANCED DIGITAL SIGNAL PROCESSING	ELECTIVE III NON-LINEAR SYSTEMS
AEROSPACE ENGINEERING-76	AIRCRAFT CONTROL AND SIMULATION	SPACE TRANSPORTATION SYSTEMS	COMPUTATIONAL APPROACHES TO AEROSPACE VEHICLE DESIGN	AEROSPACE SENSORS AND MEASUREMENT SYSTEMS	ELECTIVE III SPACECRAFT DYNAMICS AND CONTROL MISSILE GUIDANCE AERO-THERMODYNAMICS OF HYPERSONIC FLIGHT ADVANCED TOPICS IN AIR TRAFFIC MANAGEMENT SYSTEMS DYNAMICS AND CONTROL OF STRUCTURES	ELECTIVE IV TACTICAL MISSILE DESIGN ROCKET AND SPACECRAFT PROPULSION OPTIMAL CONTROL HIGH ANGLE OF ATTACK AERODYNAMICS MECHANICS OF COMPOSITE MATERIALS		
EMBEDDED SYSTEMS & VLSI DESIGN-77	EMBEDDED C	CMOS MIXED SIGNAL CIRCUIT DESIGN	EMBEDDED REAL TIME OPERATING SYSTEMS	ELECTIVE III DIGITAL SIGNAL PROCESSORS AND ARCHITECTURES	ELECTIVE III EMBEDDED NETWORKING SYSTEM ON CHIP ARCHITECTURE	ELECTIVE IV SEMICONDUCTOR MEMORY DESIGN AND TESTING SENSORS AND ACTUATORS	ELECTIVE IV LOW POWER VLSI DESIGN	DESIGN FOR TESTABILITY
COMPUTER NETWORKS AND INFORMATION SECURITY-78	WIRELESS NETWORKS AND MOBILE COMPUTING	APPLICATIONS OF NETWORK SECURITY	INFORMATION SECURITY MANAGEMENT AND STANDARD	AD HOC AND SENSOR NETWORKS	ELECTIVE III WIRELESS SECURITY DATABASE SECURITY MOBILE APPLICATION DEVELOPMENT USING J2ME AND ANDROID	ELECTIVE IV CLOUD COMPUTING SEMANTIC WEB AND SOCIAL NETWORKS NETWORK MANAGEMENT SYSTEMS		
MECHATRONICS-80	MICRO CONTROLLER & APPLICATIONS	FUZZY LOGIC & NEURAL NETWORKS		INDUSTRIAL ROBOTICS	ELECTIVE III SIMULATION MODELING OF MANUFACTURING SYSTEMS INTELLIGENT MANUFACTURING SYSTEMS DESIGN FOR MANUFACTURE & ASSEMBLY	ELECTIVE IV AUTOTRONICS & VEHICLE INTELLIGENCE COMPUTER AIDED METROLOGY & MACHINE VISION ENTREPRENEURSHIP	MEMS	
INFRASTRUCTURE ENGG-81	WASTE MANAGEMENT SYSTEMS	FINITE ELEMENT METHOD	RETAINING STRUCTURES	URBAN/REGIONAL TRANSPORTATION ANALYSIS AND PLANNING METHODS	ELECTIVE III/IV CONSTRUCTION MANAGEMENT II REHABILITATION AND RETROFITTING OF STRUCTURES PRINCIPLES OF BRIDGE ENGINEERING	ELECTIVE III/IV EARTHQUAKE RESISTANT DESIGN OF STRUCTURES GIS BASICS OF STRUCTURAL ENGINEERING	ELECTIVE III/IV ENGINEERING OF GROUND INTEGRATED WATER RESOURCES MANAGEMENT	ELECTIVE III/IV PROJECT PLANNING AND FINANCIAL MANAGEMENT

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M.TECH-II SEMESTER -R13 REGULATION-SUPPLEMENTARY EXAMINATIONS JANUARY-2018

T I M E T A B L E

TIME : 10.00 AM TO 1:00 PM

COURSE	05-01-2018 FRIDAY	08-01-2018 MONDAY	10-01-2018 WEDNESDAY	12-01-2018 FRIDAY	18-01-2018 THURSDAY	20-01-2018 SATURDAY	23-01-2018 TUESDAY	25-01-2018 THURSDAY
COMPUTER NETWORKS-82	WIRELESS NETWORKS	MOBILE COMPUTING	DISTRIBUTED SYSTEMS	AD HOC AND SENSOR NETWORKS	ELECTIVE III STORAGE AREA NETWORKS DIGITAL IMAGE PROCESSING	ELECTIVE IV NETWORK MANAGEMENT & PERFORMANCE EVOLUTION E-COMMERCE WEB SERVICES		INFORMATION RETRIEVAL SYSTEMS
REAL TIME SYSTEMS-84	EMBEDDED LINUX PROGRAMMING	EMBEDDED SYSTEMS DEVELOPMENT	EMBEDDED REAL TIME OPERATING SYSTEMS	SCRIPTING LANGUAGES	ELECTIVE III LOW POWER VLSI DESIGN CASE STUDIES IN REAL TIME APPLICATIONS MOBILE COMPUTING	ELECTIVE IV INFORMATION SECURITY NEURAL NETWORKS QUALITY ASSURANCE IN RTS		
HIGH VOLTAGE ENGINEERING-85	HIGH VOLTAGE TESTING TECHNOLOGY	EHV AC TRANSMISSION	SURGE PHENOMENA AND INSULATION COORDINATION	ADVANCED POWER SYSTEM PROTECTION	ELECTIVE III PROGRAMMABLE LOGIC CONTROLLERS AND THEIR APPLICATIONS POWER SYSTEM TRANSIENTS PARTIAL DISCHARGE IN HIGH VOLTAGE EQUIPMENT	ELECTIVE IV ADVANCED EM FIELDS HV TRANSFORMERS PULSE POWER ENGINEERING		
HIGHWAY ENGINEERING-87	TRAFFIC ANALYSIS		HIGHWAY PROJECT FORMULATION AND ECONOMICS	PAVEMENT ANALYSIS AND DESIGN	ELECTIVE III LAND USE AND TRANSPORTATION MODELING TRANSPORTATION SYSTEM MANAGEMENT ROAD SAFETY ENGINEERING	ELECTIVE IV ENVIRONMENTAL IMPACT ASSESSMENT FOR TRANSPORTATION PROJECTS	PAVEMENT CONSTRUCTION MAINTENANCE & MANAGEMENT	ELECTIVE IV GIS APPLICATIONS IN TRANSPORTATION ENGINEERING OPTIMIZATION TECHNIQUES
ELECTRONICS & INSTRUMENTATION-88	DATA ACQUISITION SYSTEM	QUALITY & RELIABILITY ENGINEERING IN ELECTRONIC SYSTEM	ROBOTICS DESIGN AND CONTROL	VIRTUAL INSTRUMENTATION	ELECTIVE III INDUSTRIAL INSTRUMENTATION SYSTEM ON CHIP ARCHITECTURES	ELECTIVE IV MEMS & APPLICATIONS PLC & ITS APPLICATIONS FIBER OPTIC AND LASER INSTRUMENTATION	ELECTIVE III ADVANCED DIGITAL SIGNAL PROCESSING	
AUTOMATION (MECHANICAL)-89	FLUID POWER SYSTEMS	MICROPROCESSOR & APPLICATIONS	INTELLIGENT INSTRUMENTATION & MANUFACTURING	INDUSTRIAL ROBOT TECHNOLOGY	ELECTIVE III QUALITY ENGINEERING IN MANUFACTURING ADVANCED OPTIMIZATION TECHNIQUE & APPLICATIONS NEURAL NETWORK & FUZZY LOGIC	ELECTIVE IV DESIGN FOR MANUFACTURING & ASSEMBLY SMART MATERIALS & STRUCTURES VIBRATION ANALYSIS & CONDITION MONITORING		
HEATING VENTILATION & AIR CONDITIONING-91	AIR-CONDITIONING -II	ELECTIVE III ENERGY MANAGEMENT	ADVANCE INSTRUMENTATION CONTROL SYSTEMS	REFRIGERATION & A/C EQUIPMENTS & CONTROL	ELECTIVE III ADVANCED FINITE ELEMENT ANALYSIS EQUIPMENT DESIGN FOR THERMAL SYSTEMS	ELECTIVE IV TURBO MACHINES CRYOGENIC ENGINEERING THERMAL AND NUCLEAR POWER PLANTS		ADVANCED HEAT AND MASS TRANSFER

DATE:08-12-2017

CONTROLLER OF EXAMINATIONS

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SYSTEMS AND SIGNAL PROCESSING-93	ADAPTIVE SIGNAL PROCESSING		SPEECH PROCESSING	DIGITAL SIGNAL PROCESSORS AND ARCHITECTURES	ELECTIVE III CPLD AND FPGA ARCHITECTURES AND APPLICATION EMBEDDED REAL-TIME OPERATING SYSTEMS AD-HOC AND WIRELESS SENSOR NETWORKS	ELECTIVE IV IMAGE AND VIDEO PROCESSING SYSTEM ON CHIP ARCHITECTURE DIGITAL CONTROL SYSTEMS		CODING THEORY AND TECHNIQUES
ENGINEERING DESIGN-95	ADVANCED MACHINE DESIGN	DESIGN FOR MANUFACTURING AND ASSEMBLY	FINITE ELEMENT AND BOUNDARY ELEMENT METHODS	INDUSTRIAL ROBOTICS	ELECTIVE III MATERIALS HANDLING EQUIPMENT DESIGN APPLIED RANDOM VIBRATIONS FRACTURE MECHANICS PRODUCT DATA MANAGEMENT APPLIED TRIBOLOGY	ELECTIVE IV NANO COMPOSITES DESIGN AND SYNTHESIS VEHICLE DYNAMICS DIGITAL IMAGE PROCESSING AND COMPUTER VISION ADVANCED TOOL DESIGN ADVANCED MECHANICS OF COMPOSITE MATERIALS		
AERONAUTICAL ENGINEERING-97	AIRCRAFT CONTROL AND SIMULATION	SPACE TRANSPORTATION SYSTEMS	COMPUTATIONAL APPROACHES TO AEROSPACE VEHICLE DESIGN	AEROSPACE SENSORS AND MEASUREMENT SYSTEMS	ELECTIVE III SPACECRAFT DYNAMICS AND CONTROL MISSILE GUIDANCE AERO-THERMODYNAMICS OF HYPERSONIC FLIGHT ADVANCED TOPICS IN AIR TRAFFIC MANAGEMENT SYSTEMS DYNAMICS AND CONTROL OF STRUCTURES	ELECTIVE IV TACTICAL MISSILE DESIGN HIGH ANGLE OF ATTACK AERODYNAMICS MECHANICS OF COMPOSITE MATERIALS ROCKET AND SPACECRAFT PROPULSION OPTIMAL CONTROL		
POWERPLANT ENGINEERING AND ENERGY MANAGEMENT-99	ADVANCED POWER PLANT ENGINEERING	POWER PLANT INSTRUMENTATION	POWER PLANT MAINTENANCE	ENERGY CONSERVATION	EQUIPMENT DESIGN FOR THERMAL SYSTEMS	ELECTIVE III POWER DISTRIBUTION SYSTEM ENVIRONMENT & SAFETY ENGINEERING POWER PLANT PERFORMANCE MONITORING & TESTING POWER PLANT PROTECTION & SWITCH GEAR		
ELECTRONICS DESIGN TECHNOLOGY-A0	EMBEDDED C	CMOS MIXED SIGNAL CIRCUIT DESIGN	EMBEDDED REAL TIME OPERATING SYSTEMS	DESIGN FOR TESTABILITY	ELECTIVE III DIGITAL SIGNAL PROCESSORS AND ARCHITECTURES SYSTEM ON CHIP ARCHITECTURE EMBEDDED NETWORKING	ELECTIVE IV SENSORS AND ACTUATORS SEMICONDUCTOR MEMORY DESIGN AND TESTING LOW POWER VLSI DESIGN		
CONSTRUCTION MANAGEMENT-A1	CONSTRUCTION METHODS AND EQUIPMENT	CONSTRUCTION AND CONTRACT MANAGEMENT	CONSTRUCTION ECONOMICS AND FINANCE	ELECTIVE III/IV BUILDING SERVICES	ELECTIVE III/IV UNDER WATER CONSTRUCTION. STRATEGIC MANAGEMENT IN CONSTRUCTION.	ELECTIVE III/IV CRITICAL CHAIN MANAGEMENT. GEO-ENVIRONMENTAL ENGINEERING.	ELECTIVE III/IV ADVANCED CONCRETE TECHNOLOGY	CIVIL ENGINEERING MATERIALS AND RECENT ADVANCES

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CYBER FORENSIC INFORMATION SECURITY-A2	SOFTWARE VULNERABILITY ANALYSIS	INTRUSION DETECTION AND PREVENTION SYSTEMS	CYBER CRIME INVESTIGATIONS AND DIGITAL FORENSICS	CYBER LAWS AND SECURITY POLICIES	ELECTIVE III SECURITY THREATS DIGITAL WATERMARKING AND STEGANOGRAPHY INFORMATION THEORY AND CODING	ELECTIVE IV DISTRIBUTED SYSTEMS SECURITY INTELLECTUAL PROPERTY RIGHTS NETWORK PROGRAMMING		
CYBER SECURITY-A3	SOFTWARE VULNERABILITY ANALYSIS	INTRUSION DETECTION AND PREVENTION SYSTEMS	CYBER CRIME INVESTIGATIONS AND DIGITAL FORENSICS	CYBER LAWS AND SECURITY POLICIES	ELECTIVE III DIGITAL WATERMARKING AND STEGANOGRAPHY INFORMATION THEORY AND CODING SECURITY THREATS	ELECTIVE IV INTELLECTUAL PROPERTY RIGHTS DISTRIBUTED SYSTEMS SECURITY NETWORK PROGRAMMING		
BIOMEDICAL SIGNAL PROCESSING INSTRUMENTATION-A4	ELECTIVE III ADAPTIVE SIGNAL PROCESSING	ADVANCED MEDICAL IMAGING	FIBER OPTICS AND LASER INSTRUMENTATION	DIGITAL SIGNAL PROCESSORS AND ARCHITECTURES	ELECTIVE III DESIGN AND ANALYSIS OF SIGNAL CONDITIONING CIRCUITS SENSORS AND ACTUATORS	ELECTIVE IV BIOMEMS AND NANOTECHNOLOGY SPEECH PROCESSING REHABILITATION ENGINEERING	ADVANCED BIOMEDICAL SIGNAL PROCESSING	
VLSI DESIGN-A5	LOW POWER VLSI DESIGN	CMOS MIXED SIGNAL CIRCUIT DESIGN	CAD FOR VLSI CIRCUITS	DESIGN FOR TESTABILITY	ELECTIVE III VLSI SIGNAL PROCESSING SCRIPTING LANGUAGES DIGITAL SIGNAL PROCESSORS AND ARCHITECTURES	ELECTIVE IV SYSTEM ON CHIP ARCHITECTURE SEMICONDUCTOR MEMORY DESIGN AND TESTING OPTIMIZATION TECHNIQUES IN VLSI DESIGN		

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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