

# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY-HYDERABAD-500085

EXAMINATION BRANCH

**M.TECH-II SEMESTER -R13 REGULATION-SUPPLEMENTARY EXAMINATIONS AUGUST-2016**

**T I M E T A B L E**

**T I M E : 10.00 AM TO 1.00 PM**

COURSE	16-08-2016 TUESDAY	18-08-2016 THURSDAY	20-08-2016 SATURDAY	22-08-2016 MONDAY	24-08-2016 WEDNESDAY	26-08-2016 FRIDAY	29-08-2016 MONDAY	31-08-2016 WEDNESDAY
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	COMPUTER AIDED MANUFACTURING	INDUSTRIAL ROBOTICS	ELECTIVE III COMPUTATIONAL FLUID DYNAMICS AUTOMATION IN MANUFACTURING PRODUCTION AND OPERATIONS MANAGEMENT	ELECTIVE IV INTELLIGENT MANUFACTURING SYSTEMS COMPUTER AIDED PROCESS PLANNING DESIGN OPTIMIZATION		
COMPUTER SCIENCE-05	ADVANCED NETWORK PROGRAMMING	WEB SERVICES AND SERVICE ORIENTED ARCHITECTURE	ADVANCED DATABASES	WIRELESS NETWORKS AND MOBILE COMPUTING	ELECTIVE III ADVANCED DATA MINING STORAGE AREA NETWORKS DATABASE SECURITY	ELECTIVE IV CLOUD COMPUTING INFORMATION RETRIEVAL SYSTEMS SEMANTIC WEB AND SOCIAL NETWORKS		
DIGITAL SYSTEM & COMPUTER ELECTRONICS-06	ADVANCED COMPUTER ARCHITECTURE	LOW POWER VLSI DESIGN	EMBEDDED REAL TIME OPERATING SYSTEMS	DESIGN FOR TESTABILITY	ELECTIVE III CPLD AND FPGA ARCHITECTURES AND APPLICATIONS SYSTEM ON CHIP ARCHITECTURE NETWORK SECURITY AND CRYPTOGRAPHY	ELECTIVE IV TCP/IP AND ATM NETWORKS DIGITAL SIGNAL PROCESSORS AND ARCHITECTURES CMOS MIXED SIGNAL CIRCUIT DESIGN		
ELECTRICAL POWER SYSTEM-07	POWER SYSTEM DYNAMICS	FLEXIBLE AC TRANSMISSION SYSTEMS (FACTS)	POWER SYSTEM OPERATION AND DEREGULATION	AI TECHNIQUES IN ELECTRICAL POWER ENGINEERING	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		
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	ADVANCED OPTIMIZATION TECHNIQUES AND APPLICATIONS	EXPERIMENTAL STRESS ANALYSIS	ELECTIVE III NON LINEAR VIBRATIONS INDUSTRIAL ROBOTICS DESIGN SYNTHESIS PRESSURE VESSEL DESIGN	ELECTIVE IV SIGNAL ANALYSIS AND CONDITION MONITORING THEORY OF PLATES AND SHELLS MECHATRONICS COMPUTATIONAL FLUID DYNAMICS		
PRODUCTION ENGINEERING-16	PRECISION ENGINEERING	RAPID PROTOTYPING TECHNOLOGIES	OPTIMIZATION TECHNIQUES AND APPLICATIONS	AUTOMATION IN MANUFACTURING	ELECTIVE III FINITE ELEMENT TECHNIQUES DESIGN AND MANUFACTURE OF MEMS & MICRO SYSTEMS INTELLIGENT MANUFACTURING SYSTEMS	ELECTIVE IV INDUSTRIAL ROBOTICS DESIGN FOR MANUFACTURE & ASSEMBLY MECHATRONICS		
STRUCTURAL ENGINEERING-20	FINITE ELEMENT METHODS	STRUCTURAL DYNAMICS	ANALYSIS AND DESIGN OF SHELLS AND FOLDED PLATES	ADVANCED. STEEL DESIGN	ELECTIVE III ADVANCED FOUNDATION ENGINEERING PRE STRESSED CONCRETE. COMPUTER AIDED DESIGN IN STRUCTURAL ENGINEERING (CAD)	ELECTIVE IV STABILITY OF STRUCTURES PLASTIC ANALYSIS AND DESIGN. EARTHQUAKE RESISTANT DESIGN OF BUILDINGS PRINCIPLES OF BRIDGE ENGINEERING		
THERMAL ENGINEERING-21	FUELS COMBUSTION & ENVIRONMENT	ENERGY MANAGEMENT	ADVANCED FINITE ELEMENT ANALYSIS	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		
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 INFORMATION RETRIEVAL SYSTEMS	ELECTIVE IV BUSINESS PROCESS MANAGEMENT CLOUD COMPUTING ADVANCED DATABASES		
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 ADVANCED TOOL DESIGN INDUSTRIAL ROBOTICS	ELECTIVE IV COMPUTATIONAL FLUID DYNAMICS PERFORMANCE MODELING AND ANALYSIS OF MANUFACTURING SYSTEMS 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	IMAGE AND VIDEO PROCESSING	CODING THEORY AND TECHNIQUES	OPTICAL COMMUNICATIONS TECHNOLOGY	WIRELESS COMMUNICATIONS AND NETWORKS	ELECTIVE III SPEECH PROCESSING OPTICAL NETWORKS RADAR SIGNAL PROCESSING	ELECTIVE IV DIGITAL SIGNAL PROCESSORS AND ARCHITECTURES NETWORK SECURITY AND CRYPTOGRAPHY SATELLITE COMMUNICATIONS		
INFORMATION TECHNOLOGY-40	INFORMATION SECURITY AND AUDIT	WEB SERVICES AND SERVICE ORIENTED ARCHITECTURE	CLOUD COMPUTING	MOBILE APPLICATION DEVELOPMENT	ELECTIVE III EMBEDDED SYSTEMS SEMANTIC WEB AND SOCIAL NETWORKS MACHINE LEARNING	ELECTIVE IV SOFTWARE TESTING & QUALITY ASSURANCE BIO-INFORMATICS MOBILE COMMERCE		

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POWER AND INDUSTRIAL DRIVES-42	POWER ELECTRONIC CONVERTERS-II	FLEXIBLE AC TRANSMISSION SYSTEMS (FACTS)	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		
POWER ELECTRONICS-43	POWER ELECTRONIC CONVERTERS-II	FLEXIBLE AC TRANSMISSION SYSTEMS (FACTS)	POWER ELECTRONIC CONTROL OF AC DRIVES	NEURAL NETWORKS AND FUZZY SYSTEMS	ELECTIVE III ADVANCED DIGITAL SIGNAL PROCESSING DIGITAL CONTROL SYSTEMS POWER QUALITY	ELECTIVE IV DYNAMICS OF ELECTRICAL MACHINES HIGH-FREQUENCY MAGNETIC COMPONENTS RENEWABLE ENERGY SYSTEMS		
SYSTEMS & SIGNAL PROCESSING-45	ADAPTIVE SIGNAL PROCESSING	CODING THEORY AND TECHNIQUES	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		
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	FLEXIBLE AC TRANSMISSION SYSTEMS (FACTS)	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		
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	FLEXIBLE AC TRANSMISSION SYSTEMS (FACTS)	POWER SYSTEM OPERATION AND DEREGULATION	AI TECHNIQUES IN ELECTRICAL POWER ENGINEERING	ELECTIVE III	ELECTIVE IV		
					ELECTRIC SMART GRID	POWER SYSTEM RELIABILITY		
					ENERGY AUDITING	VOLTAGE STABILITY		
					CONSERVATION AND MANAGEMENT	REACTIVE POWER COMPENSATION AND MANAGEMENT		
GAS INSULATED SYSTEMS(GIS)								
POWER ELECTRONICS AND ELECTRIC DRIVES-54	POWER ELECTRONIC CONVERTERS-II	FLEXIBLE AC TRANSMISSION SYSTEMS (FACTS)	POWER ELECTRONIC CONTROL OF AC DRIVES	NEURAL NETWORKS AND FUZZY SYSTEMS	ELECTIVE III	ELECTIVE IV		
					DIGITAL CONTROL SYSTEMS	HIGH-FREQUENCY MAGNETIC COMPONENTS		
					POWER QUALITY	RENEWABLE ENERGY SYSTEMS		
					ADVANCED DIGITAL SIGNAL PROCESSING	DYNAMICS OF ELECTRICAL MACHINES		
EMBEDDED SYSTEMS-55	HARDWARE SOFTWARE CO-DESIGN	CPLD AND FPGA ARCHITECTURES AND APPLICATIONS	EMBEDDED NETWORKING	DIGITAL SIGNAL PROCESSORS AND ARCHITECTURES	ELECTIVE III	ELECTIVE IV		
					SENSORS AND ACTUATORS	SYSTEM ON CHIP ARCHITECTURE		
					WIRELESS COMMUNICATIONS AND NETWORKS	WIRELESS LANS AND PANS		
					NETWORK SECURITY AND CRYPTOGRAPHY	MULTIMEDIA AND SIGNAL CODING		
POWER SYSTEM (HIGH VOLTAGE)-56	HIGH VOLTAGE TESTING TECHNOLOGY	EHV AC TRANSMISSION	SURGE PHENOMENA AND INSULATION COORDINATION	ADVANCED POWER SYSTEM PROTECTION	ELECTIVE III	ELECTIVE IV		
					POWER SYSTEM TRANSIENTS	HV TRANSFORMERS		
					PROGRAMMABLE LOGIC CONTROLLERS AND THEIR APPLICATIONS	PULSE POWER ENGINEERING		
					PARTIAL DISCHARGE IN HIGH VOLTAGE EQUIPMENT	ADVANCED EM FIELDS		
VLSI SYSTEM DESIGN / VLSI DESIGN-57	LOW POWER VLSI DESIGN	CMOS MIXED SIGNAL CIRCUIT DESIGN	CAD FOR VLSI CIRCUITS	DESIGN FOR TESTABILITY	ELECTIVE III	ELECTIVE IV		
					DIGITAL SIGNAL PROCESSORS AND ARCHITECTURES	OPTIMIZATION TECHNIQUES IN VLSI DESIGN		
					SCRIPTING LANGUAGES	SYSTEM ON CHIP ARCHITECTURE		
					VLSI SIGNAL PROCESSING	SEMICONDUCTOR MEMORY DESIGN AND TESTING		
COMPUTER SCIENCE ENGINEERING-58	ADVANCED NETWORK PROGRAMMING	ADVANCED DATABASES	WEB SERVICES AND SERVICE ORIENTED ARCHITECTURE	GRID AND CLOUD COMPUTING	ELECTIVE III	ELECTIVE IV		
					DATABASE SECURITY	INFORMATION RETRIEVAL SYSTEMS		
					ADVANCED DATA MINING	SEMANTIC WEB AND SOCIAL NETWORKS		
					STORAGE AREA NETWORKS	WIRELESS NETWORKS AND MOBILE COMPUTING		
COMMUNICATION SYSTEMS-61	WIRELESS LANS AND PANS	CODING THEORY AND TECHNIQUES	OPTICAL COMMUNICATIONS TECHNOLOGY	TCP/IP AND ATM NETWORKS	ELECTIVE III	ELECTIVE IV		
					OPTICAL NETWORKS	NETWORK SECURITY AND CRYPTOGRAPHY		
					MOBILE COMPUTING TECHNOLOGIES	SOFTWARE RADIO		
					AD-HOC AND WIRELESS SENSOR NETWORKS	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	FLEXIBLE AC TRANSMISSION SYSTEMS (FACTS)	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		
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 NETWORK SECURITY AND CRYPTOGRAPHY		
NANO TECHNOLOGY-66	MATERIAL CHARACTERIZATION TECHNIQUES	CARBON NANOTUBES AND APPLICATIONS	NANO COMPOSITES – DESIGN AND SYNTHESIS	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	DESIGN FOR TESTABILITY	ELECTIVE III SYSTEM ON CHIP ARCHITECTURE EMBEDDED NETWORKING DIGITAL SIGNAL PROCESSORS AND ARCHITECTURES	ELECTIVE IV SEMICONDUCTOR MEMORY DESIGN AND TESTING LOW POWER VLSI DESIGN SENSORS AND ACTUATORS		
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	IMAGE AND VIDEO PROCESSING	CODING THEORY AND TECHNIQUES	OPTICAL COMMUNICATIONS TECHNOLOGY	WIRELESS COMMUNICATIONS AND NETWORKS	ELECTIVE III OPTICAL NETWORKS RADAR SIGNAL PROCESSING SPEECH PROCESSING	ELECTIVE IV SATELLITE COMMUNICATIONS DIGITAL SIGNAL PROCESSORS AND ARCHITECTURES NETWORK SECURITY AND CRYPTOGRAPHY		

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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	NEURAL NETWORKS & FUZZY SYSTEMS	CONTROL SYSTEM DESIGN	ELECTIVE III NON-LINEAR SYSTEMS DISTRIBUTED CONTROL SYSTEMS PROCESS DYNAMICS AND CONTROL	ELECTIVE IV REAL TIME SYSTEMS INTELLIGENT AND KNOWLEDGE BASED SYSTEMS ADVANCED DIGITAL SIGNAL PROCESSING		
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	DESIGN FOR TESTABILITY	ELECTIVE III DIGITAL SIGNAL PROCESSORS AND ARCHITECTURES EMBEDDED NETWORKING SYSTEM ON CHIP ARCHITECTURE	ELECTIVE IV SEMICONDUCTOR MEMORY DESIGN AND TESTING LOW POWER VLSI DESIGN SENSORS AND ACTUATORS		
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	MEMS	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		
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

DATE:23-07-2016

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# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY-HYDERABAD-500085

EXAMINATION BRANCH

M.TECH-II SEMESTER -R13 REGULATION-SUPPLEMENTARY EXAMINATIONS FEBRUARY-2016

**T I M E T A B L E**

**T I M E : 10.00 AM TO 1.00 PM**

COURSE	16-08-2016 TUESDAY	18-08-2016 THURSDAY	20-08-2016 SATURDAY	22-08-2016 MONDAY	24-08-2016 WEDNESDAY	26-08-2016 FRIDAY	29-08-2016 MONDAY	31-08-2016 WEDNESDAY
COMPUTER NETWORKS-82	WIRELESS NETWORKS	MOBILE COMPUTING	DISTRIBUTED SYSTEMS	AD HOC AND SENSOR NETWORKS	ELECTIVE III INFORMATION RETRIEVAL SYSTEMS STORAGE AREA NETWORKS DIGITAL IMAGE PROCESSING	ELECTIVE IV NETWORK MANAGEMENT & PERFORMANCE EVOLUTION E-COMMERCE WEB SERVICES		
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	PAVEMENT CONSTRUCTION MAINTENANCE & MANAGEMENT	HIGHWAY PROJECT FORMULATION AND ECONOMICS	PAVEMENT ANALYSIS AND DESIGN	ELECTIVE III LAND USE AND TRANSPORTATION MODELING TRANSPORTATION SYSTEM MANAGEMENT ROAD SAFETY ENGINEERING	ELECTIVE IV GIS APPLICATIONS IN TRANSPORTATION ENGINEERING OPTIMIZATION TECHNIQUES ENVIRONMENTAL IMPACT ASSESSMENT FOR TRANSPORTATION PROJECTS		
ELECTRONICS & INSTRUMENTATION-88	DATA ACQUISITION SYSTEM	QUALITY & RELIABILITY ENGINEERING IN ELECTRONIC SYSTEM	ROBOTICS DESIGN AND CONTROL	VIRTUAL INSTRUMENTATION	ELECTIVE III INDUSTRIAL INSTRUMENTATION ADVANCED DIGITAL SIGNAL PROCESSING SYSTEM ON CHIP ARCHITECTURES	ELECTIVE IV MEMS & APPLICATIONS PLC & ITS APPLICATIONS FIBER OPTIC AND LASER INSTRUMENTATION		
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	ADVANCED HEAT AND MASS TRANSFER	AIR-CONDITIONING -II	ADVANCE INSTRUMENTATION CONTROL SYSTEMS	REFRIGERATION & A/C EQUIPMENTS & CONTROL	ELECTIVE III ENERGY MANAGEMENT ADVANCED FINITE ELEMENT ANALYSIS EQUIPMENT DESIGN FOR THERMAL SYSTEMS	ELECTIVE IV TURBO MACHINES CRYOGENIC ENGINEERING THERMAL AND NUCLEAR POWER PLANTS		

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EXAMINATION BRANCH

M.TECH-II SEMESTER -R13 REGULATION-SUPPLEMENTARY EXAMINATIONS AUGUST-2016

**T I M E T A B L E**

**T I M E : 10.00 AM TO 1.00 PM**

COURSE	16-08-2016 TUESDAY	18-08-2016 THURSDAY	20-08-2016 SATURDAY	22-08-2016 MONDAY	24-08-2016 WEDNESDAY	26-08-2016 FRIDAY	29-08-2016 MONDAY	31-08-2016 WEDNESDAY
SYSTEMS AND SIGNAL PROCESSING-93	ADAPTIVE SIGNAL PROCESSING	CODING THEORY AND TECHNIQUES	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		
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	CIVIL ENGINEERING MATERIALS AND RECENT ADVANCES	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	ELECTIVE III/IV BUILDING SERVICES.

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M.TECH-II SEMESTER -R13 REGULATION-SUPPLEMENTARY EXAMINATIONS AUGUST-2016

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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	ELECTIVE IV		
					SECURITY THREATS	DISTRIBUTED SYSTEMS SECURITY		
					DIGITAL WATERMARKING AND STEGANOGRAPHY	INTELLECTUAL PROPERTY RIGHTS		
					INFORMATION THEORY AND CODING	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	ELECTIVE IV		
					DIGITAL WATERMARKING AND STEGANOGRAPHY	INTELLECTUAL PROPERTY RIGHTS		
					INFORMATION THEORY AND CODING	DISTRIBUTED SYSTEMS SECURITY		
					SECURITY THREATS	NETWORK PROGRAMMING		
BIOMEDICAL SIGNAL PROCESSING INSTRUMENTATION-A4	ADVANCED BIOMEDICAL SIGNAL PROCESSING	ADVANCED MEDICAL IMAGING	FIBER OPTICS AND LASER INSTRUMENTATION	DIGITAL SIGNAL PROCESSORS AND ARCHITECTURES	ELECTIVE III	ELECTIVE IV		
					ADAPTIVE SIGNAL PROCESSING	BIOMEMS AND NANOTECHNOLOGY		
					DESIGN AND ANALYSIS OF SIGNAL CONDITIONING CIRCUITS	SPEECH PROCESSING		
					SENSORS AND ACTUATORS	REHABILITATION ENGINEERING		
VLSI DESIGN-A5	LOW POWER VLSI DESIGN	CMOS MIXED SIGNAL CIRCUIT DESIGN	CAD FOR VLSI CIRCUITS	DESIGN FOR TESTABILITY	ELECTIVE III	ELECTIVE IV		
					VLSI SIGNAL PROCESSING	SYSTEM ON CHIP ARCHITECTURE		
					SCRIPTING LANGUAGES	SEMICONDUCTOR MEMORY DESIGN AND TESTING		
					DIGITAL SIGNAL PROCESSORS AND ARCHITECTURES	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