

# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY-HYDERABAD-500085

EXAMINATION BRANCH

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

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

**T I M E : 2:00 PM TO 5:00 PM**

| COURSE   | 16-08-2016<br>TUESDAY                         | 18-08-2016<br>THURSDAY             | 20-08-2016<br>SATURDAY   | 22-08-2016<br>MONDAY   | 24-08-2016<br>WEDNESDAY   | 26-08-2016<br>FRIDAY  | 29-08-2016<br>MONDAY   | 31-08-2016<br>WEDNESDAY |
|--|---|------------------------------------|--|--|---|---|--|-------------------------|
| BIOTECHNOLOGY-03                               | MICROBIAL<br>ENGINEERING                      | MOLECULAR<br>BIOLOGY &<br>VIROLOGY | PREPARATORY<br>CORE COURSE-I/II<br>BIOCHEMISTRY<br>AND METOBOLIC<br>REGULATION | PREPARATORY CORE<br>COURSE-I/II<br>GENERAL AND<br>INDUSTRIAL<br>MICROBIOLOGY<br>PROCESS<br>ENGINEERING<br>PRINCIPALS | PREPARATORY CORE<br>COURSE-I/II<br>BASIC ENGINEERING<br>MATHEMATICS   | ELECTIVE I/II<br>BIOCATALYSIS AND<br>ENZYME<br>MECHANISMS<br>BIOSTATICS &<br>COMPUTER<br>APPLICATION                                  | ELECTIVE I/II<br>IMMUNOLOGY<br>BIOCHEMICAL &<br>BIOPHYSICAL<br>TECHNICS<br>ENZYME<br>ENGINEERING &<br>TECHNOLOGY |                         |
| CAD/CAM-04                                     | DESIGN FOR<br>MANUFACTURING<br>AND ASSEMBLY   | ADVANCED CAD                       | PRECISION<br>ENGINEERING   | ADVANCED FINITE<br>ELEMENT ANALYSIS  | ELECTIVE I<br>NUMERICAL METHODS<br>FOR PARTIAL<br>DIFFERENTIAL<br>EQUATIONS<br>ADVANCED<br>MECHATRONICS<br>ADVANCED<br>MECHANICS OF<br>SOLIDS | ELECTIVE II<br>ADVANCED<br>MECHANICS OF<br>COMPOSITE<br>MATERIALS<br>TOTAL QUALITY<br>MANAGEMENT<br>STRESS ANALYSIS AND<br>VIBRATIONS |  |                         |
| COMPUTER<br>SCIENCE-05                         | ADVANCED DATA<br>STRUCTURES AND<br>ALGORITHMS | COMPUTER SYSTEM<br>DESIGN          | SOFTWARE<br>PROCESS<br>AND PROJECT<br>MANAGEMENT                               | ADVANCED<br>OPERATING SYSTEMS  | ELECTIVE I<br>NATURAL LANGUAGE<br>PROCESSING<br>DISTRIBUTED<br>SYSTEMS<br>PATTERN<br>RECOGNITION  | ELECTIVE II<br>SOFTWARE<br>ARCHITECTURE AND<br>DESIGN PATTERNS<br>PARALLEL AND<br>DISTRIBUTED<br>ALGORITHMS<br>MACHINE LEARNING       |  |                         |
| DIGITAL<br>SYSTEM & COMPUTER<br>ELECTRONICS-06 | DIGITAL SYSTEM<br>DESIGN                      | VLSI TECHNOLOGY<br>AND DESIGN      | ADVANCED DATA<br>COMMUNICATIONS  | MICROCONTROLLERS<br>FOR EMBEDDED<br>SYSTEM DESIGN  | ELECTIVE I<br>IMAGE AND VIDEO<br>PROCESSING<br>CMOS ANALOG<br>INTEGRATED CIRCUIT<br>DESIGN<br>EMBEDDED SYSTEMS<br>DESIGN                      | ELECTIVE II<br>INTERNETWORKING<br>CMOS DIGITAL<br>INTEGRATED CIRCUIT<br>DESIGN<br>SOFT COMPUTING<br>TECHNIQUES                        |  |                         |

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|---|---|--|---|----------------------------------|--|----------------------|----------------------|-------------------------|--|
| ELECTRICAL<br>POWER SYSTEM-07               | ADVANCED POWER<br>SYSTEM ANALYSIS                   | ADVANCED POWER<br>SYSTEM<br>PROTECTION         | RENEWABLE<br>ENERGY SYSTEMS                                 | MODERN CONTROL<br>THEORY         | ELECTIVE I   | ELECTIVE II          |                      |                         |  |
|   |   |  |   |                                  | MICROCONTROLLERS<br>AND APPLICATIONS               |                      |                      |                         | DISTRIBUTION<br>AUTOMATION                                 |
|   |   |  |   |                                  | HIGH VOLTAGE<br>ENGINEERING                        |                      |                      |                         | HVDC TRANSMISSION  |
|   |   |  |   |                                  | EHV AC<br>TRANSMISSION                             |                      |                      |                         | POWER QUALITY  |
| ENERGY<br>SYSTEMS-10                        | APPLIED<br>THERMODYNAMICS                           | ADVANCED HEAT<br>AND MASS TRANSFER             | INDUSTRIAL<br>INSTRUMENTATION<br>AND CONTROL<br>ENGINEERING | RENEWABLE ENERGY<br>TECHNOLOGIES | ELECTIVE I   | ELECTIVE II          |                      |                         |  |
|   |   |  |   |                                  | HYDROGEN AND FUEL<br>CELLS                         |                      |                      |                         | NUCLEAR ENERGY   |
|   |   |  |   |                                  | THERMAL POWER<br>PLANTS                            |                      |                      |                         | DESIGN OF<br>EXPERIMENTS                                   |
|   |   |  |   |                                  | COMPUTATIONAL<br>METHODS                           |                      |                      |                         | POLLUTION CONTROL<br>IN POWER PLANTS                       |
| ENERGY POLICY<br>ECOLOGY AND<br>ENVIRONMENT | I.C ENGINES &<br>ALTERNATE FUELS                    |  |   |                                  |  |                      |                      |                         |  |
| ENVIRONMENTAL<br>ENGINEERING~11             | COMPUTER<br>PROGRAMMING AND<br>NUMERICAL<br>METHODS | ENVIRONMENTAL<br>CHEMISTRY AND<br>MICROBIOLOGY | ADVANCED WATER<br>SUPPLY SYSTEMS                            | WASTE TREATMENT<br>SYSTEMS       | ELECTIVE I   | ELECTIVE II          |                      |                         |  |
|   |   |  |   |                                  | WATERSHED<br>MANAGEMENT                            |                      |                      |                         | ENVIRONMENTAL<br>SANITATION                                |
|   |   |  |   |                                  | ENVIRONMENTAL<br>HYDROLOGY                         |                      |                      |                         | CLIMATOLOGY  |
|   |   |  |   |                                  | ENVIRONMENT AND<br>ECOLOGY                         |                      |                      |                         | ENVIRONMENTAL<br>SYSTEM<br>ENGINEERING                     |
| GEOTECHNICAL<br>ENGINEERING~12              | ADVANCED SOIL<br>MECHANICS                          | ADVANCED<br>FOUNDATION<br>ENGINEERING          | SOIL DYNAMICS<br>AND MACHINE<br>FOUNDATIONS                 | ENGINEERING OF<br>GROUND         | ELECTIVE I   | ELECTIVE II          |                      |                         |  |
|   |   |  |   |                                  | GEO-ENVIRONMENTAL<br>ENGINEERING                   |                      |                      |                         | FINITE ELEMENT<br>METHODS FOR<br>GEOTECHNICAL<br>ENGINEERS |
|   |   |  |   |                                  | GROUNDWATER<br>HYDROLOGY                           |                      |                      |                         | GROUNDWATER<br>CONTAMINATION AND<br>REMEDATION             |
|   |   |  |   |                                  | NUMERICAL METHODS<br>FOR GEOTECHNICAL<br>ENGINEERS |                      |                      |                         | ENVIRONMENT AND<br>ECOLOGY                                 |

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|--|--|---|---|--|--|--|----------------------|-------------------------|
| INDUSTRIAL<br>ENGINEERING AND<br>MANAGEMENT~13 | ADVANCED<br>OPTIMIZATIONS<br>TECHNIQUES AND<br>APPLICATION | INDUSTRIAL<br>ENGINEERING<br>PRACTICES    | MATERIALS<br>MANAGEMENT                         | STATISTICAL QUALITY<br>CONTROL             | ELECTIVE I   | ELECTIVE II  |                      |                         |
|  |  |   |   |  | FINANCIAL<br>MANAGEMENT                                    | PRODUCT DATA<br>MANAGEMENT                         |                      |                         |
|  |  |   |   |  | MANAGEMENT<br>THEORY AND<br>PRACTICE                       | MANAGEMENT<br>INFORMATION<br>SYSTEMS               |                      |                         |
| MACHINE<br>DESIGN~15                           | ADVANCED<br>MECHANICAL<br>ENGINEERING<br>DESIGN            | ADVANCED<br>MECHANICS OF<br>SOLIDS        | FATIGUE CREEP &<br>FRACTURE<br>MECHANICS        | COMPUTATIONAL<br>METHODS IN<br>ENGINEERING | ELECTIVE I   | ELECTIVE II  |                      |                         |
|  |  |   |   |  | APPLIED TRIBOLOGY  | DATA BASE<br>MANAGEMENT<br>SYSTEM                  |                      |                         |
|  |  |   |   |  | THEORY OF<br>ELASTICITY &<br>PLASTICITY                    | CONCURRENT<br>ENGINEERING                          |                      |                         |
|  |  |   |   |  | ADVANCED FINITE<br>ELEMENT ANALYSIS                        | ADVANCED<br>COMPUTER AIDED<br>DESIGN               |                      |                         |
|  |  |   |   |  | GEAR ENGINEERING   | ADVANCED<br>MECHANICS OF<br>COMPOSITE<br>MATERIALS |                      |                         |
| PRODUCTION<br>ENGINEERING~16                   | THEORY OF METAL<br>CUTTING                                 | ADVANCED CAD                              | ADVANCED CASTING<br>AND WELDING<br>TECHNOLOGIES | ADVANCED METAL<br>FORMING                  | ELECTIVE I   | ELECTIVE II  |                      |                         |
|  |  |   |   |  | MACHINE TOOL<br>DESIGN                                     | COMPUTER AIDED<br>MANUFACTURING                    |                      |                         |
|  |  |   |   |  | ADVANCED<br>MANUFACTURING<br>PROCESSES                     | QUALITY<br>ENGINEERING IN<br>MANUFACTURING         |                      |                         |
|  |  |   |   |  | COMPOSITE<br>MATERIALS                                     | PRODUCTION &<br>OPERATIONS<br>MANAGEMENT           |                      |                         |
| STRUCTURAL<br>ENGINEERING~20                   | COMPUTER<br>ORIENTED<br>NUMERICAL<br>METHODS               | THEORY OF<br>ELASTICITY AND<br>PLASTICITY | THEORY AND<br>ANALYSIS OF<br>PLATES             | ADVANCED<br>REINFORCED<br>CONCRETE DESIGN  | ELECTIVE I   | ELECTIVE II  |                      |                         |
|  |  |   |   |  | CONCRETE<br>TECHNOLOGY                                     | ADVANCED<br>STRUCTURAL<br>ANALYSIS                 |                      |                         |
|  |  |   |   |  | OPTIMIZATION<br>TECHNIQUES IN<br>STRUCTURAL<br>ENGINEERING | COMPOSITE<br>MATERIALS                             |                      |                         |
|  |  |   |   |  | EXPERIMENTAL<br>STRESS ANALYSIS                            | SOIL DYNAMICS AND<br>FOUNDATION<br>ENGINEERING     |                      |                         |

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|-------------------------------------|---|--------------------------------------|--|---------------------------------------|---|--|---|-------------------------------------|
| THERMAL ENGINEERING~21              | ADVANCED OPTIMIZATION TECHNIQUES & APPLICATIONS | ADVANCED HEAT & MASS TRANSFER        | ADVANCED THERMODYNAMICS  | ADVANCED FLUID MECHANICS              | ELECTIVE I  | ELECTIVE II  |   |                                     |
|                                     |   |                                      |  |                                       | CRYOGENICS ENGINEERING  | ADVANCED I.C. ENGINES                                      |   |                                     |
|                                     |   |                                      |  |                                       | TURBO-MACHINES<br>SOLAR ENERGY TECHNOLOGY                       | NON-CONVENTIONAL ENERGY SOURCES<br>MATERIAL SCIENCE        |   |                                     |
| TRANSPORTATION ENGINEERING~22       | TRAFFIC ENGINEERING AND MANAGEMANT              | TRANSPORTATION INFRASTRUCTURE DESIGH | URBAN TRANSPORTATION POLICY PLANNING FOR SUSTAINABLE DEVELOPMENT | PAVENT MATERIAL CHARACTERIZATION      | ELECTIVE I/II   | ELECTIVE I/II  | ELECTIVE I/II<br>ADVANCED CONCRETE TECHNOLOGY | ELECTIVE I/II<br>PROJECT MANAGEMENT |
|                                     |   |                                      |  |                                       | APPLIED STATISTICS  | TRANSPORTATION SYSTEM MANAGEMENT                           |   |                                     |
|                                     |   |                                      |  |                                       | ENGINEERING OF GROUND   | REMOTE SENSING AND GPS FOR TRANSPORTATION ENGINEERING      |   |                                     |
| SOFTWARE ENGINEERING~25             | ADVANCED DATA STRUCTURES AND ALGORITHMS         | SOFTWARE DEVELOPMENT METHODOLOGIES   | SOFTWARE REQUIREMENTS AND ESTIMATION                             | WEB TECHNOLOGIES AND SERVICES         | ELECTIVE I  | ELECTIVE II  |   |                                     |
|                                     |   |                                      |  |                                       | SECURE SOFTWARE ENGINEERING                                     | ADVANCED DATA MINING                                       |   |                                     |
|                                     |   |                                      |  |                                       | CYBER SECURITY AND CYBER LAWS<br>INFORMATION SECURITY AND AUDIT | OBJECT ORIENTED MODELING<br>PARALLEL ALGORITHMS            |   |                                     |
| MICRO WAVE AND RADAR ENGINEERING~30 | ADVANCED ELECTROMAGNETIC THEORY                 | MICROWAVE ANTENNA THEORY AND DESIGN  | RADAR SYSTEM ENGINEERING   | MICROWAVE COMPONENTS AND MEASUREMENTS | ELECTIVE I  | ELECTIVE II  |   |                                     |
|                                     |   |                                      |  |                                       | ADVANCED DIGITAL SIGNAL PROCESSING                              | RANDOM PROCESSES AND TIME SERIES ANALYSIS                  |   |                                     |
|                                     |   |                                      |  |                                       | SATELLITE COMMUNICATIONS<br>RADIO NAVIGATIONAL AIDS             | MICROWAVE INTEGRATED CIRCUITS<br>EMI OR EMC                |   |                                     |
| ADVANCED MANUFACTURING SYSTEMS-33   | AUTOMATION IN MANUFACTURING                     | COMPUTER AIDED MANUFACTURING         | PRECISION ENGINEERING  | DESIGN FOR MANUFACTURING AND ASSEMBLY | ELECTIVE I  | ELECTIVE II  |   |                                     |
|                                     |   |                                      |  |                                       | TOTAL QUALITY MANAGEMENT  | ADVANCED CAD   |   |                                     |
|                                     |   |                                      |  |                                       | SPECIAL MANUFACTURING PROCESS<br>PRODUCT DATA MANAGEMENT        | THEORY OF ELASTICITY & PLASTICITY<br>ADVANCED MECHATRONICS |   |                                     |

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|---|---|----------------------------|---|---------------------------------------|---|---|----------------------|-------------------------|
| COMPUTER AND COMMUNICATION ENGINEERING~36             | IMAGE AND VIDEO PROCESSING              | INTERNETWORKING            | ADVANCED DATA COMMUNICATIONS                | ADVANCED DIGITAL SIGNAL PROCESSING    | ELECTIVE I  | ELECTIVE II   |                      |                         |
|   |   |                            |   |                                       | DETECTION AND ESTIMATION THEORY FOR EMBEDDED SYSTEMS DESIGN | VOICE OVER INTERNET PROTOCOL WIRELESS LANS AND PANS                 |                      |                         |
|   |   |                            |   |                                       | ADVANCED OPERATING SYSTEMS                                  | SATELLITE COMMUNICATIONS  |                      |                         |
| CONTROL ENGINEERING~37                                | ADVANCED CONTROL SYSTEMS                | DIGITAL CONTROL SYSTEMS    | DSP PROCESSOR ARCHITECTURE AND APPLICATIONS | STATE AND PARAMETER ESTIMATION THEORY | ELECTIVE I  | ELECTIVE II   |                      |                         |
|   |   |                            |   |                                       | PROGRAMMABLE LOGIC CONTROLLERS AND THEIR APPLICATIONS       | ADVANCED MICROPROCESSORS  |                      |                         |
|   |   |                            |   |                                       | PROCESS MODELING AND SIMULATION                             | ROBOTICS AND CONTROL EMBEDDED SYSTEMS                               |                      |                         |
| DIGITAL ELECTRONICS AND COMMUNICATION SYSTEMS/ENGG~38 | DIGITAL SYSTEM DESIGN                   | VLSI TECHNOLOGY AND DESIGN | ADVANCED DATA COMMUNICATIONS                | ADVANCED DIGITAL SIGNAL PROCESSING    | ELECTIVE I  | ELECTIVE II   |                      |                         |
|   |   |                            |   |                                       | MICROCONTROLLERS FOR EMBEDDED SYSTEM DESIGN                 | INTERNETWORKING   |                      |                         |
|   |   |                            |   |                                       | DETECTION AND ESTIMATION THEORY RADIO NAVIGATIONAL AIDS     | ADVANCED COMPUTER ARCHITECTURE EMBEDDED REAL TIME OPERATING SYSTEMS |                      |                         |
| INFORMATION TECHNOLOGY~40                             | ADVANCED DATA STRUCTURES AND ALGORITHMS | DATABASE ENGINEERING       | ADVANCED COMPUTER NETWORKS                  | INFORMATION RETRIEVAL SYSTEMS         | ELECTIVE I  | ELECTIVE II   |                      |                         |
|   |   |                            |   |                                       | PARALLEL AND DISTRIBUTED ALGORITHMS                         | BIO METRICS   |                      |                         |
|   |   |                            |   |                                       | SOFTWARE ARCHITECTURE AND DESIGN PATTERNS                   | BUSINESS INTELLIGENCE & BIG DATA                                    |                      |                         |
|   |   |                            |   |                                       | MACHINE LEARNING  | SOFT COMPUTING  |                      |                         |

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|---|---|--------------------------------------|---------------------------------------|------------------------------------|-----------------------------------|---|----------------------|-------------------------|
| POWER AND INDUSTRIAL DRIVES~42            | MACHINE MODELING AND ANALYSIS             | POWER ELECTRONIC CONVERTERS 1        | POWER ELECTRONIC CONTROL OF DC DRIVES | MODERN CONTROL THEORY              | ELECTIVE I                        | ELECTIVE II   |                      |                         |
|   |   |                                      |                                       |                                    | <u>EMBEDDED SYSTEMS</u>           | PROGRAMMABLE  |                      |                         |
|   |   |                                      |                                       |                                    | OPERATIONS RESEARCH               | LOGIC CONTROLLERS AND THEIR APPLICATIONS              |                      |                         |
|   |   |                                      |                                       |                                    | HVDC TRANSMISSION                 | MICROCONTROLLERS AND APPLICATIONS                     |                      |                         |
|   |   |                                      |                                       |                                    |                                   | SPECIAL MACHINES                                      |                      |                         |
| POWER ELECTRONICS~43                      | MACHINE MODELING AND ANALYSIS             | POWER ELECTRONIC CONVERTERS 1        | POWER ELECTRONIC CONTROL OF DC DRIVES | MODERN CONTROL THEORY              | ELECTIVE I                        | ELECTIVE II   |                      |                         |
|   |   |                                      |                                       |                                    | <u>EMBEDDED SYSTEMS</u>           | MICROCONTROLLERS AND APPLICATIONS                     |                      |                         |
|   |   |                                      |                                       |                                    | OPERATIONS RESEARCH               | PROGRAMMABLE LOGIC CONTROLLERS AND THEIR APPLICATIONS |                      |                         |
|   |   |                                      |                                       |                                    | HVDC TRANSMISSION                 | SPECIAL MACHINES                                      |                      |                         |
|   |   |                                      |                                       |                                    |                                   |   |                      |                         |
| SYSTEMS & SIGNAL PROCESSING~45            | RANDOM PROCESSES AND TIME SERIES ANALYSIS | WIRELESS COMMUNICATIONS AND NETWORKS | TRANSFORM TECHNIQUES                  | ADVANCED DIGITAL SIGNAL PROCESSING | ELECTIVE I                        | ELECTIVE II   |                      |                         |
|   |   |                                      |                                       |                                    | VLSI SIGNAL PROCESSING            | DIGITAL SYSTEM DESIGN                                 |                      |                         |
|   |   |                                      |                                       |                                    | RADAR SIGNAL PROCESSING           | ADVANCED DATA COMMUNICATIONS                          |                      |                         |
|   |   |                                      |                                       |                                    | BIOMEDICAL SIGNAL PROCESSING      | DETECTION AND ESTIMATION THEORY                       |                      |                         |
| GEO-INFORMATICS & SURVEYING TECHNOLOGY~47 | ELEMENTS OF PHOTOGRAMMETRY                | DIGITAL IMAGE PROCESSING--I          | INTRODUCTION TO REMOTE SENSING        | FUNDAMENTALS OF GIS                | SURVEYING                         | ELECTIVE I  |                      |                         |
|   |   |                                      |                                       |                                    |                                   | <u>WEB TECHNOLOGIES</u>                               |                      |                         |
|   |   |                                      |                                       |                                    |                                   | INTERNET GIS  |                      |                         |
| ELECTRICAL POWER ENGINEERING~49           | ADVANCED POWER SYSTEM ANALYSIS            | ADVANCED POWER SYSTEM PROTECTION     | RENEWABLE ENERGY SYSTEMS              | MODERN CONTROL THEORY              | ELECTIVE I                        | ELECTIVE II   |                      |                         |
|   |   |                                      |                                       |                                    | EHV AC TRANSMISSION               | DISTRIBUTION AUTOMATION                               |                      |                         |
|   |   |                                      |                                       |                                    | MICROCONTROLLERS AND APPLICATIONS | HVDC TRANSMISSION                                     |                      |                         |
|   |   |                                      |                                       |                                    | HIGH VOLTAGE ENGINEERING          | POWER QUALITY   |                      |                         |

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| CHEMICAL<br>ENGINEERING~51                     | ADVANCED<br>TRANSPORT<br>PHENOMENA  | ADVANCED<br>CHEMICAL<br>REACTION<br>ENGINEERING | OPTIMIZATION<br>TECHNIQUES IN<br>CHEMICAL<br>ENGINEERING | ADVANCED CHEMICAL<br>ENGINEERING<br>THERMODYNAMICS | ELECTIVE I                                  | ELECTIVE II<br>CORROSION<br>ENGINEERING |                      |                         |  |
|  |                                     |   |  |  | PETROLEUM<br>REFINERY<br>ENGINEERING        |   |                      |                         |  |
|  |                                     |   |  |  | ELECTROCHEMICAL<br>ENGINEERING              |   |                      |                         | APPLIED NUMERICAL<br>METHODS                                     |
|  |                                     |   |  |  | COMPUTATIONAL<br>FLUID DYNAMICS             |   |                      |                         | POLYMER<br>TECHNOLOGY  |
| DESIGN<br>FOR<br>MANUFACTURING~52              | MATERIALS<br>TECHNOLOGY             | ADVANCED<br>MECHANICS OF<br>SOLIDS              | PRECISION<br>ENGINEERING                                 | DESIGN FOR<br>MANUFACTURING<br>AND ASSEMBLY        | ELECTIVE I                                  | ELECTIVE II<br>ADVANCED<br>MECHATRONICS |                      |                         |  |
|  |                                     |   |  |  | SPECIAL<br>MANUFACTURING<br>PROCESS         |   |                      |                         |  |
|  |                                     |   |  |  | ENGINEERING IN<br>MANUFACTURING             |   |                      |                         | THEORY OF<br>ELASTICITY &<br>PLASTICITY                          |
|  |                                     |   |  |  | PRODUCT DATA<br>MANAGEMENT                  |   |                      |                         | ADVANCED CAD<br>(PROJECT BASED)                                  |
| POWER<br>SYSTEM CONTROL<br>AND AUTOMATION~53   | ADVANCED POWER<br>SYSTEM ANALYSIS   | ADVANCED POWER<br>SYSTEM<br>PROTECTION          | RENEWABLE<br>ENERGY SYSTEMS                              | MODERN CONTROL<br>THEORY                           | ELECTIVE I                                  | ELECTIVE II<br>POWER QUALITY            |                      |                         |  |
|  |                                     |   |  |  | MICROCONTROLLERS<br>AND APPLICATIONS        |   |                      |                         |  |
|  |                                     |   |  |  | EHV AC<br>TRANSMISSION                      |   |                      |                         | DISTRIBUTION<br>AUTOMATION                                       |
|  |                                     |   |  |  | HIGH VOLTAGE<br><br>ENGINEERING             |   |                      |                         | HVDC TRANSMISSION<br>POWER ELECTRONIC<br>CONTROL OF DC<br>DRIVES |
| POWER<br>ELECTRONICS AND<br>ELECTRIC DRIVES~54 | MACHINE<br>MODELING AND<br>ANALYSIS | POWER ELECTRONIC<br>CONVERTERS I                | POWER<br>ELECTRONIC<br>CONTROL OF DC<br>DRIVES           | MODERN CONTROL<br>THEORY                           | ELECTIVE I                                  | ELECTIVE II<br>SPECIAL MACHINES         |                      |                         |  |
|  |                                     |   |  |  | EMBEDDED SYSTEMS                            |   |                      |                         |  |
|  |                                     |   |  |  | HVDC TRANSMISSION<br>OPERATIONS<br>RESEARCH |   |                      |                         | MICROCONTROLLERS<br>AND APPLICATIONS                             |
|  |                                     |   |  |  |   |   |                      |                         | PROGRAMMABLE<br>LOGIC CONTROLLERS<br>AND THEIR<br>APPLICATIONS   |

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# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY-HYDERABAD-500085

EXAMINATION BRANCH

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

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

**T I M E : 2:00 PM TO 5:00 PM**

| COURSE                              | 16-08-2016<br>TUESDAY                        | 18-08-2016<br>THURSDAY                | 20-08-2016<br>SATURDAY                     | 22-08-2016<br>MONDAY                        | 24-08-2016<br>WEDNESDAY                 | 26-08-2016<br>FRIDAY                         | 29-08-2016<br>MONDAY | 31-08-2016<br>WEDNESDAY |
|-------------------------------------|--|---------------------------------------|--|---|---|--|----------------------|-------------------------|
| EMBEDDED SYSTEMS-55                 | EMBEDDED SYSTEM DESIGN                       | EMBEDDED REAL TIME OPERATING SYSTEMS  | EMBEDDED C                                 | MICROCONTROLLERS FOR EMBEDDED SYSTEM DESIGN | ELECTIVE I                              | ELECTIVE II                                  |                      |                         |
|                                     |  |                                       |  |   | VLSI TECHNOLOGY AND DESIGN              | SOFT COMPUTING TECHNIQUES                    |                      |                         |
|                                     |  |                                       |  |   | ADVANCED COMPUTER ARCHITECTURE          | ADVANCED OPERATING SYSTEMS                   |                      |                         |
|                                     |  |                                       |  |   | EMBEDDED COMPUTING                      | DIGITAL SYSTEM DESIGN                        |                      |                         |
| POWER SYSTEM (HIGH VOLTAGE)-56      | GENERATION AND MEASUREMENT OF HIGH VOLTAGES  | DIELECTRIC AND INSULATION ENGINEERING | FLEXIBILITY AC TRANSMISSION SYSTEMS(FACTS) | HVDC TRANSMISSION                           | ELECTIVE I                              | ELECTIVE II                                  |                      |                         |
|                                     |  |                                       |  |   | GAS INSULATED SYSTEMS (GIS)             | MICROCONTROLLERS AND APPLICATIONS            |                      |                         |
|                                     |  |                                       |  |   | VOLTAGE STABILITY                       | BREAKDOWN PHENOMENON IN INSULATION           |                      |                         |
|                                     |  |                                       |  |   | AI TECHNIQUES                           | REACTIVE POWER COMPENSATION AND MANAGEMENT   |                      |                         |
| VLSI SYSTEM DESIGN / VLSI DESIGN-57 | CPLD AND FPGA ARCHITECTURES AND APPLICATIONS | VLSI TECHNOLOGY AND DESIGN            | CMOS ANALOG INTEGRATED CIRCUIT DESIGN      | CMOS DIGITAL INTEGRATED CIRCUIT DESIGN      | ELECTIVE I                              | ELECTIVE II                                  |                      |                         |
|                                     |  |                                       |  |   | HARDWARE SOFTWARE CO-DESIGN             | ADVANCED COMPUTER ARCHITECTURE               |                      |                         |
|                                     |  |                                       |  |   | DEVICE MODELING                         | ADVANCE OPERATING SYSTEMS                    |                      |                         |
|                                     |  |                                       |  |   | DIGITAL SYSTEM DESIGN                   | MICRO CONTROLLERS FOR EMBEDDED SYSTEM DESIGN |                      |                         |
| COMPUTER SCIENCE ENGINEERING-58     | ADVANCED DATA STRUCTURES AND ALGORITHMS      | COMPUTER SYSTEM DESIGN                | DISTRIBUTED SYSTEMS                        | ADVANCED OPERATING SYSTEMS                  | ELECTIVE I                              | ELECTIVE II                                  |                      |                         |
|                                     |  |                                       |  |   | NATURAL LANGUAGE PROCESSING             | MACHINE LEARNING                             |                      |                         |
|                                     |  |                                       |  |   | PATTERN RECOGNITION                     | PARALLEL AND DISTRIBUTED ALGORITHMS          |                      |                         |
|                                     |  |                                       |  |   | SOFTWARE PROCESS AND PROJECT MANAGEMENT | SOFTWARE ARCHITECTURE AND DESIGN PATTERNS    |                      |                         |

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|---|---|--------------------------------------|------------------------------|------------------------------------|--|---|----------------------|-------------------------|
| COMMUNICATION SYSTEMS-61                | IMAGE AND VIDEO PROCESSING              | WIRELESS COMMUNICATIONS AND NETWORKS | ADVANCED DATA COMMUNICATIONS | ADVANCED DIGITAL SIGNAL PROCESSING | ELECTIVE I<br><u>INTERNETWORKING</u><br><u>RF CIRCUIT DESIGN</u><br><u>DETECTION AND ESTIMATION THEORY</u>                           | ELECTIVE II<br><u>VOICE OVER INTERNET PROTOCOL</u><br><u>SATELLITE COMMUNICATIONS</u><br><u>RADAR SIGNAL PROCESSING</u> |                      |                         |
| WEB TECHNOLOGIES-62                     | ADVANCED DATA STRUCTURES AND ALGORITHMS | ADVANCED JAVA & WEB PROGRAMMING      | ADVANCED DATABASES           | GRID AND CLOUD COMPUTING           | ELECTIVE I<br><u>SOFTWARE PROCESS AND PROJECT MANAGEMENT</u><br><u>DATABASE SECURITY</u><br><u>ADVANCED NETWORK PROGRAMMING</u>      | ELECTIVE II<br><u>WEB DATA MINING</u><br><u>E-COMMERCE</u><br><u>SOFTWARE QUALITY ASSURANCE AND TESTING</u>             |                      |                         |
| IMAGE PROCESSING-63                     | ADVANCED DATA STRUCTURES AND ALGORITHMS | DIGITAL SIGNAL PROCESSING            | ADVANCED COMPUTER GRAPHICS   | DIGITAL IMAGE PROCESSING           | ELECTIVE I<br><u>MACHINE LEARNING</u><br><u>SPEECH PROCESSING</u><br><u>PATTERN RECOGNITION</u>                                      | ELECTIVE II<br><u>WIRELESS NETWORKS &amp; MOBILE COMPUTING</u><br><u>VIDEO PROCESSING</u><br><u>EMBEDDED SYSTEMS</u>    |                      |                         |
| POWER ENGINEERING AND ENERGY SYSTEMS-64 | ADVANCED POWER SYSTEM ANALYSIS          | ADVANCED POWER SYSTEM PROTECTION     | RENEWABLE ENERGY SYSTEMS     | MODERN CONTROL THEORY              | ELECTIVE I<br><u>EHV AC TRANSMISSION</u><br><u>HIGH VOLTAGE ENGINEERING</u><br><u>MICROCONTROLLERS AND APPLICATIONS</u>              | ELECTIVE II<br><u>POWER QUALITY</u><br><u>HVDC TRANSMISSION</u><br><u>DISTRIBUTION AUTOMATION</u>                       |                      |                         |
| WIRELESS AND MOBILE COMMUNICATION-65    | IMAGE AND VIDEO PROCESSING              | TCPORIP AND ATM NETWORKS             | ADVANCED DATA COMMUNICATIONS | ADVANCED DIGITAL SIGNAL PROCESSING | ELECTIVE I<br><u>RF CIRCUIT DESIGN</u><br><u>RANDOM PROCESSES AND TIME SERIES ANALYSIS</u><br><u>DETECTION AND ESTIMATION THEORY</u> | ELECTIVE II<br><u>SATELLITE COMMUNICATIONS</u><br><u>SPREAD SPECTRUM COMMUNICATIONS</u><br><u>VOICE OVER IP</u>         |                      |                         |

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|--|--|---|---------------------------------------|---|---|--|----------------------|-------------------------|
| NANO TECHNOLOGY~66                           | NANO BIOTECHNOLOGY MATERIALS AND DEVICES     | NUMERICAL METHODS AND ADVANCED COMPUTING TECHNIQUES | PROPERTIES OF NANO STRUCTURES         | STRUCTURE BONDING AND QUANTUM MECHANICS     | SYNTHESIS OF NANOMATERIALS  | SCIENCE AND TECHNOLOGY OF THIN-FILMS   |                      |                         |
| VLSI AND EMBEDDED SYSTEMS~68                 | CPLD AND FPGA ARCHITECTURES AND APPLICATIONS | VLSI TECHNOLOGY AND DESIGN                          | CMOS ANALOG INTEGRATED CIRCUIT DESIGN | MICROCONTROLLERS FOR EMBEDDED SYSTEM DESIGN | ELECTIVE I<br>SOFT COMPUTING TECHNIQUES<br>DIGITAL SYSTEM DESIGN<br>HARDWARE SOFTWARE CO-DESIGN                         | ELECTIVE II<br>ADVANCED OPERATING SYSTEMS<br>NETWORK SECURITY AND CRYPTOGRAPHY<br>CMOS DIGITAL INTEGRATED CIRCUIT DESIGN |                      |                         |
| NEURAL NETWORKS ~69                          | ARTIFICIAL INTELLIGENCE                      | COMPUTER SYSTEMS DESIGN                             | IMAGE PROCESSING                      | NEURAL NETWORKS                             | ELECTIVE I<br>SPEECH PROCESSING<br>PERVASIVE COMPUTING<br>MACHINE LEARNING  | ELECTIVE II<br>CLOUD COMPUTING<br>STORAGE AREA NETWORKS<br>WIRELESS NETWORKS & MOBILE COMPUTING                          |                      |                         |
| ELECTRONICS AND COMMUNICATION ENGINEERING~70 | DIGITAL SYSTEM DESIGN                        | VLSI TECHNOLOGY AND DESIGN                          | ADVANCED DATA COMMUNICATIONS          | ADVANCED DIGITAL SIGNAL PROCESSING          | ELECTIVE I<br>RADIO NAVIGATIONAL AIDS<br>MICROCONTROLLERS FOR EMBEDDED SYSTEM DESIGN<br>DETECTION AND ESTIMATION THEORY | ELECTIVE II<br>EMBEDDED REAL TIME OPERATING SYSTEMS<br>ADVANCED COMPUTER ARCHITECTURE<br>INTERNETWORKING                 |                      |                         |
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|-----------------------------------|--|----------------------------|---|---|---|--|----------------------|-------------------------|--------------------------|
| CONTROL SYSTEMS-75                | ADVANCED CONTROL SYSTEMS                     | DIGITAL CONTROL SYSTEMS    | DSP PROCESSOR ARCHITECTURE AND APPLICATIONS | STATE AND PARAMETER ESTIMATION THEORY       | ELECTIVE I  | ELECTIVE II                                |                      |                         |                          |
|                                   |  |                            |   |   | PROCESS MODELING AND SIMULATION                       |  |                      |                         | ROBOTICS AND CONTROL     |
|                                   |  |                            |   |   | PROGRAMMABLE LOGIC CONTROLLERS AND THEIR APPLICATIONS |  |                      |                         | EMBEDDED SYSTEMS         |
|                                   |  |                            |   |   | ADVANCED INSTRUMENTATION SYSTEMS                      |  |                      |                         | ADVANCED MICROPROCESSORS |
| AEROSPACE ENGINEERING-76          | AIR TRANSPORTATION SYSTEMS                   | CONTINUUM MECHANICS        | ENGINEERING ANALYSIS OF FLIGHT VEHICLES     | MATHEMITICAL MODELING                       | ELECTIVE I  | ELECTIVE II                                |                      |                         |                          |
|                                   |  |                            |   |   | AIR BREATHING PROPULSION                              | ROTORCRAFT AERODYNAMICS                    |                      |                         |                          |
|                                   |  |                            |   |   | FLIGHT VEHICLES STRUCTURES                            | AIRLINES OPERATIONS AND SCHEDULING         |                      |                         |                          |
|                                   |  |                            |   |   | AIRCRAFT SYSTEMS                                      | FLIGHT NAVIGATION AND SURVEILLANCE SYSTEMS |                      |                         |                          |
|                                   |  |                            |   |   | AERODYNAMICS OF FLIGHT VEHICLES                       | MODELING AND SIMULATION OF FLUID FLOWS     |                      |                         |                          |
|                                   |  |                            |   |   | FUNDAMENTALS OF AEROSPACE ENGINEERING                 | COMPUTATIONAL STRUCTURAL ANALYSIS          |                      |                         |                          |
|                                   |  |                            |   |   |   |  |                      |                         |                          |
| EMBEDDED SYSTEMS & VLSI DESIGN-77 | CPLD AND FPGA ARCHITECTURES AND APPLICATIONS | VLSI TECHNOLOGY AND DESIGN | CMOS ANALOG INTEGRATED CIRCUIT DESIGN       | MICROCONTROLLERS FOR EMBEDDED SYSTEM DESIGN | ELECTIVE I  | ELECTIVE II                                |                      |                         |                          |
|                                   |  |                            |   |   | SOFT COMPUTING TECHNIQUES                             | ADVANCED OPERATING SYSTEMS                 |                      |                         |                          |
|                                   |  |                            |   |   | DIGITAL SYSTEM DESIGN                                 | NETWORK SECURITY AND CRYPTOGRAPHY          |                      |                         |                          |
|                                   |  |                            |   |   | HARDWARE SOFTWARE CO-DESIGN                           | CMOS DIGITAL INTEGRATED CIRCUIT DESIGN     |                      |                         |                          |

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|---|---|------------------------------------|--------------------------------|---|--|---|---|-------------------------|
| COMPUTER NETWORKS AND INFORMATION SECURITY-78 | ADVANCED DATA STRUCTURES AND ALGORITHMS | PRINCIPLES OF INFORMATION SECURITY | ADVANCED COMPUTER NETWORKS     | WEB TECHNOLOGIES AND SERVICES                   | ELECTIVE I<br>ETHICAL HACKING<br>DISTRIBUTED SYSTEMS<br>INFORMATION RETRIEVAL SYSTEMS    | ELECTIVE II<br>DATA WAREHOUSING AND MINING<br>NETWORK PROGRAMMING<br>EMBEDDED SYSTEMS               |   |                         |
| MECHATRONICS-80                               | AUTOMATION IN MANUFACTURING             | APPLIED INDUSTRIAL PNEUMATICS      | APPLIED INDUSTRIAL HYDRAULICS  | INDUSTRIAL ELECTRICAL & ELECTRONICS             | ELECTIVE I<br>ELECTRO-OPTIC SYSTEMS<br>ADVANCED CNC TECHNOLOGY<br>PRECISION ENGINEERING  | ELECTIVE II<br>CONTROL SYSTEMS<br>INSTRUMENTATION & SENSOR TECHNOLOGY<br>POWER ELECTRONICS & DRIVES |   |                         |
| INFRASTRUCTURE ENGG-81                        | COMPUTER ORIENTED NUMERICAL METHODS     | CONSTRUCTION MANAGEMENT I          | GEOTECHNICS FOR INFRASTRUCTURE | WATER RESOURCES SYSTEMS PLANNING AND MANAGEMENT | ELECTIVE I/II<br>ADVANCED CONCRETE TECHNOLOGY<br>OPTIMIZATION TECHNIQUES                 | ELECTIVE I/II<br>ADVANCED STRUCTURAL ANALYSIS<br>OFFSHORE GEOTECHNICS                               | ELECTIVE I/II<br>STRUCTURAL DYNAMICS<br>GEO ENVIRONMENTAL ENGINEERING |                         |
| COMPUTER NETWORKS-82                          | NETWORK PROGRAMMING                     | DISTRIBUTED COMPUTING              | ADVANCED COMPUTER NETWORKS     | NETWORK SECURITY                                | ELECTIVE I<br>JAVA & WEB TECHNOLOGIES<br>HIGH SPEED NETWORKS<br>TCP OR IP PROTOCOL SUITE | ELECTIVE II<br>DISTRIBUTED DATABASES<br>DATA WAREHOUSING AND MINING<br>EMBEDDED SYSTEMS             |   |                         |
| REAL TIME SYSTEMS-84                          | ADVANCED COMPUTER ARCHITECTURE          | MICRO CONTROLLERS                  | EMBEDDED C                     | REAL TIME SYSTEMS AND DESIGN                    | ELECTIVE I<br>DIGITAL SYSTEMS DESIGN<br>DISTRIBUTED OPERATING SYSTEMS<br>CLOUD COMPUTING | ELECTIVE II<br>PARALLEL ALGORITHMS<br>FAULT TOLERANT SYSTEMS<br>ADVANCED COMPUTER NETWORKS          |   |                         |

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|----------------------------------|---|---|---|---|--|---|----------------------|-------------------------|
| HIGH VOLTAGE ENGINEERING~85      | GENERATION AND MEASUREMENT OF HIGH VOLTAGES | DIELECTRIC AND INSULATION ENGINEERING               | FLEXIBILITY AC TRANSMISSION SYSTEMS (FACTS) | HVDC TRANSMISSION                                       | ELECTIVE I   | ELECTIVE II                                 |                      |                         |
|                                  |   |   |   |   | VOLTAGE STABILITY                                      | BREAKDOWN PHENOMENON IN INSULATION          |                      |                         |
|                                  |   |   |   |   | GAS INSULATED SYSTEMS (GIS)                            | REACTIVE POWER COMPENSATION AND MANAGEMENT  |                      |                         |
|                                  |   |   |   |   | AI TECHNIQUES  | MICROCONTROLLERS AND APPLICATIONS           |                      |                         |
| HIGHWAY ENGINEERING~87           | HIGHWAY INFRASTRUCTURE ENGINEERING          | PAVEMENT MATERIAL CHARACTERIZATION                  | TRAFFIC ENGINEERING                         | URBAN TRANSPORTATION PLANNING                           | ELECTIVE I   | ELECTIVE II                                 |                      |                         |
|                                  |   |   |   |   | BRIDGE ENGINEERING                                     | REMOTE SENSING & GLOBAL POSITIONING SYSTEMS |                      |                         |
|                                  |   |   |   |   | PROJECT MANAGEMENT                                     | ENGINEERING OF GROUND CONCRETE TECHNOLOGY   |                      |                         |
|                                  |   |   |   |   | APPLIED STATISTICS                                     |   |                      |                         |
| ELECTRONICS & INSTRUMENTATION~88 | CPLD & FPGA ARCHITECTURES & APPLICATIONS    | DESIGN AND ANALYSIS OF SIGNAL CONDITIONING CIRCUITS | REAL TIME AND EMBEDDED SYSTEMS              | TRANSDUCER TECHNOLOGY                                   | ELECTIVE I   | ELECTIVE II                                 |                      |                         |
|                                  |   |   |   |   | OPTIMAL CONTROL SYSTEMS                                | WIRELESS SENSOR NETWORKS                    |                      |                         |
|                                  |   |   |   |   | ARTIFICIAL INTELLIGENCE                                | IMAGE & VIDEO PROCESSING                    |                      |                         |
|                                  |   |   |   |   | ADVANCED PROCESS CONTROL INSTRUMENTATION               | BIOMEDICAL SIGNAL & IMAGE PROCESSING        |                      |                         |
| AUTOMATION (MECHANICAL)~89       | AUTOMATION IN MANUFACTURING                 | MODERN CONTROL ENGINEERING                          | PRECISION ENGINEERING                       | SIMULATION MODELING & ANALYSIS OF MANUFACTURING SYSTEMS | ELECTIVE I   | ELECTIVE II                                 |                      |                         |
|                                  |   |   |   |   | ARTIFICIAL INTELLIGENCE & EXPERT SYSTEMS               | MATERIALS TECHNOLOGY                        |                      |                         |
|                                  |   |   |   |   | CONCURRENT ENGINEERING & PRODUCT LIFE CYCLE MANAGEMENT | MECHATRONICS                                |                      |                         |
|                                  |   |   |   |   | MICRO ELECTRO MECHANICAL SYSTEMS                       | EXPERIMENTAL TECHNIQUES & DATA ANALYSIS     |                      |                         |

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|---|--|--|-------------------------|---|--|--|----------------------|-------------------------|
| HEATING<br>VENTILATION & AIR<br>CONDITIONING-91 | AIR CONDITIONING<br>1                              | HEATING SYSTEM                             | REFRIGERATION           | VENTILATION SYSTEM                            | ELECTIVE I   | ELECTIVE II                                      |                      |                         |
|   |  |  |                         |   | FOOD PROCESSING<br>TECHNOLOGY                              | COMPUTATIONAL<br>FLUID DYNAMICS                  |                      |                         |
|   |  |  |                         |   | NON CONVENTIONAL<br>ENERGY SOURCES                         | MAINTENANCE<br>MANAGEMENT                        |                      |                         |
|   |  |  |                         |   | ADVANCED<br>THERMODYNAMICS                                 | MATERIAL SCIENCE                                 |                      |                         |
| SYSTEMS<br>AND SIGNAL<br>PROCESSING-93          | RANDOM<br>PROCESSES AND<br>TIME SERIES<br>ANALYSIS | WIRELESS<br>COMMUNICATIONS<br>AND NETWORKS | TRANSFORM<br>TECHNIQUES | ADVANCED DIGITAL<br>SIGNAL PROCESSING         | ELECTIVE I   | ELECTIVE II                                      |                      |                         |
|   |  |  |                         |   | VLSI SIGNAL<br>PROCESSING                                  | ADVANCED DATA<br>COMMUNICATIONS                  |                      |                         |
|   |  |  |                         |   | BIOMEDICAL SIGNAL<br>PROCESSING                            | DETECTION AND<br>ESTIMATION THEORY               |                      |                         |
|   |  |  |                         |   | RADAR SIGNAL<br>PROCESSING                                 | DIGITAL SYSTEM<br>DESIGN                         |                      |                         |
| ENGINEERING<br>DESIGN-95                        | ADVANCED<br>MECHANICS OF<br>MACHINERY              | ADVANCED<br>MECHANICS OF<br>SOLIDS         | GEOMETRIC<br>MODELING   | MECHANICAL<br>BEHAVIOUR OF ENGG.<br>MATERIALS | ELECTIVE I   | ELECTIVE II                                      |                      |                         |
|   |  |  |                         |   | MODERN CONTROL<br>THEORY                                   | THEORY OF<br>ELASTICITY AND<br>PLASTICITY        |                      |                         |
|   |  |  |                         |   | COMPUTER<br>SIMULATIONS OF<br>MACHINES                     | DESIGN FOR PROCESS<br>AND PRODUCT<br>DEVELOPMENT |                      |                         |
|   |  |  |                         |   | ADVANCED<br>OPTIMIZATION<br>TECHNIQUES AND<br>APPLICATIONS | EXPERIMENTAL<br>STRESS ANALYSIS                  |                      |                         |
|   |  |  |                         |   | ADVANCED METAL<br>FORMING                                  | INSTRUMENTATION<br>AND CONTROL<br>SYSTEMS        |                      |                         |
|   |  |  |                         |   | VIBRATION ANALYSIS<br>OF MECHANICAL<br>SYSTEMS             | COMPUTER AIDED<br>MANUFACTURING                  |                      |                         |

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KUKATPALLY-HYDERABAD-500085

EXAMINATION BRANCH

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

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

**T I M E : 2:00 PM TO 5:00 PM**

| COURSE   | 16-08-2016<br>TUESDAY                              | 18-08-2016<br>THURSDAY        | 20-08-2016<br>SATURDAY                        | 22-08-2016<br>MONDAY                              | 24-08-2016<br>WEDNESDAY                | 26-08-2016<br>FRIDAY                             | 29-08-2016<br>MONDAY | 31-08-2016<br>WEDNESDAY |   |
|--|--|-------------------------------|---|---|--|--|----------------------|-------------------------|---|
| AERONAUTICAL<br>ENGINEERING~97                           | AIR<br>TRANSPORTATION<br>SYSTEMS                   | CONTINUUM<br>MECHANICS        | ENGINEERING<br>ANALYSIS OF<br>FLIGHT VEHICLES | MATHEMATICAL<br>MODELING                          | ELECTIVE I                             | ELECTIVE II                                      |                      |                         |   |
|  |  |                               |   |   | AIRCRAFT SYSTEMS                       | COMPUTATIONAL<br>STRUCTURAL<br>ANALYSIS          |                      |                         |   |
|  |  |                               |   |   | AIR - BREATHING<br>PROPULSION          | AIRLINES<br>OPERATIONS AND<br>SCHEDULING         |                      |                         |   |
|  |  |                               |   |   | FLIGHT VEHICLE<br>STRUCTURES           | FLIGHT NAVIGATION<br>AND SURVEILLANCE<br>SYSTEMS |                      |                         |   |
|  |  |                               |   |   | AERODYNAMICS OF<br>FLIGHT VEHICLES     | ROTORCRAFT<br>AERODYNAMICS                       |                      |                         |   |
| FUNDAMENTALS OF<br>AEROSPACE<br>ENGINEERING              | MODELING AND<br>SIMULATION OF<br>FLUID FLOWS       |                               |   |   |  |  |                      |                         |   |
| POWERPLANT<br>ENGINEERING AND<br>ENERGY<br>MANAGEMENT~99 | BASIC POWER<br>PLANT<br>ENGINEERING                | ENERGY SCENARIOS              | COMPUTATIONAL<br>FLUID DYNAMICS               | POWER GENERATION<br>METHODS                       | THERMAL AND<br>NUCLEAR POWER<br>PLANTS | ELECTIVE I                                       |                      |                         |   |
|  |  |                               |   |   |  | ADVANCED TESTING<br>METHODS                      |                      |                         | MATERIAL<br>MANAGEMENT                                    |
|  |  |                               |   |   |  | ENERGY<br>OPTIMIZATION<br>TECHNIQUES             |                      |                         | POWER PLANT<br>ERECTION<br>COMMISSIONING AND<br>OPERATION |
|  |  |                               |   |   |  |  |                      |                         |   |
|  |  |                               |   |   |  |  |                      |                         |   |
| ELECTRONICS<br>DESIGN<br>TECHNOLOGY~A0                   | CPLD AND FPGA<br>ARCHITECTURES<br>AND APPLICATIONS | VLSI TECHNOLOGY<br>AND DESIGN | CMOS ANALOG<br>INTEGRATED<br>CIRCUIT DESIGN   | MICROCONTROLLERS<br>FOR EMBEDDED<br>SYSTEM DESIGN | ELECTIVE I                             | ELECTIVE II                                      |                      |                         |   |
|  |  |                               |   |   | HARDWARE SOFTWARE<br>CO-DESIGN         | ADVANCED<br>OPERATING SYSTEMS                    |                      |                         |   |
|  |  |                               |   |   | DIGITAL SYSTEM<br>DESIGN               | NETWORK SECURITY<br>AND CRYPTOGRAPHY             |                      |                         |   |
|  |  |                               |   |   | SOFT COMPUTING<br>TECHNIQUES           | CMOS DIGITAL<br>INTEGRATED CIRCUIT<br>DESIGN     |                      |                         |   |

DATE:23-07-2016

Sd/-  
CONTROLLER OF EXAMINATIONS

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|---|--|--|--|-----------------------------------|--|--|--|-------------------------|
| CONSTRUCTION MANAGEMENT~A1                      | CONSTRUCTION PROJECT PLANNING AND ADMINISTRATION | QUANTITAVE METHODS IN CONSTRUCTION MANAGEMENT    | MANAGEMENT OF QUALITY AND SAFETY IN CONSTRUCTION | CONSTRUCTION ENGINEERING PRACTICE | ELECTIVE I/II                                | ELECTIVE I/II<br>EARTHQUAKE RESISTANT DESIGN OF STRUCTURES | ELECTIVE I/II<br>OPTIMIZATION TECHNIQUES<br>FORMWORK AND SCAFFOLDING DESIGN<br>REHABILITATION AND RETROFITTING OF STRUCTURES |                         |
|   |  |  |  |                                   | INFRASTRUCTURE VALUATION                     |  |  |                         |
|   |  |  |  |                                   | HUMAN RESOURCES DEVELOPMENT FOR CONSTRUCTION |  |  |                         |
| CYBER FORENSIC INFORMATION SECURITY~A2          | APPLIED CRYPTOGRAPHY                             | BIOMETRIC SYSTEMS AND BIOMETRIC IMAGE PROCESSING | MATHEMATICAL FOUNDATION FOR CYBER SECURITY       | NETWORK AND WIRELESS SECURITY     | ELECTIVE I                                   | ELECTIVE II<br>WEB SECURITY                                |  |                         |
|   |  |  |  |                                   | DISTRIBUTED AND CLOUD COMPUTING              |  |  |                         |
|   |  |  |  |                                   | INFORMATION STORAGE MANAGEMENT               | IT SECURITY METRICS  |  |                         |
| CYBER SECURITY~A3                               | APPLIED CRYPTOGRAPHY                             | BIOMETRIC SYSTEMS AND BIOMETRIC IMAGE PROCESSING | MATHEMATICAL FOUNDATION FOR CYBER SECURITY       | NETWORK AND WIRELESS SECURITY     | ELECTIVE I                                   | ELECTIVE II<br>WEB SECURITY                                |  |                         |
|   |  |  |  |                                   | INFORMATION SYSTEMS AUDIT                    |  |  |                         |
|   |  |  |  |                                   | INFORMATION STORAGE MANAGEMENT               | DISTRIBUTED SYSTEMS  |  |                         |
| BIOMEDICAL SIGNAL PROCESSING INSTRUMENTATION~A4 | BIO SENSORS                                      | MEDICAL IMAGE PROCESSING                         | REAL TIME SIGNAL PROCESSING                      | VIRTUAL INSTRUMENTATION           | ELECTIVE I                                   | ELECTIVE II<br>CLINICAL INSTRUMENTATION                    |  |                         |
|   |  |  |  |                                   | PHYSIOLOGY FOR ENGINEERS                     |  |  |                         |
|   |  |  |  |                                   | ELECTRONIC SYSTEM DESIGN                     | NEURAL NETWORKS AND FUZZY LOGIC3                           |  |                         |
|   |  |  |  |                                   | BIOINFORMATICS AND APPLICATIONS              |  |  |                         |

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|-------------------|--|-------------------------------|---|--|---|--|----------------------|-------------------------|
| VLSI<br>DESIGN-A5 | CPLD AND FPGA<br>ARCHITECTURES<br>AND APPLICATIONS | VLSI TECHNOLOGY<br>AND DESIGN | CMOS ANALOG<br>INTEGRATED<br>CIRCUIT DESIGN | CMOS DIGITAL<br>INTEGRATED CIRCUIT<br>DESIGN | ELECTIVE I<br>DIGITAL SYSTEM<br>DESIGN<br>DEVICE MODELING<br>HARDWARE SOFTWARE<br>CO-DESIGN | ELECTIVE II<br>MICRO<br>CONTROLLERS FOR<br>EMBEDDED SYSTEM<br>DESIGN<br>ADVANCED<br>COMPUTER<br>ARCHITECTURE<br>ADVANCE OPERATING<br>SYSTEMS |                      |                         |

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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