

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA  
EXAMINATION BRANCH, KAKINADA**

**M.TECH I SEMESTER (R13) REGULAR / SUPPLEMENTARY EXAMINATIONS - APRIL, 2015  
(2013 ADMITTED BATCHES ONWARDS)**

**REVISED TIME TABLE**

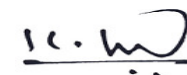
**TIME: 10:00 AM TO 01:00 PM**

<b>BRANCH &amp; SPECIALIZATION</b>	<b>06.04.2015 (Monday)</b>	<b>08.04.2015 (Wednesday)</b>	<b>10.04.2015 (Friday)</b>	<b>13.04.2015 (Monday)</b>	<b>15.04.2015 (Wednesday)</b>	<b>17.04.2015 (Friday)</b>	<b>20.04.2015 (Monday)</b>	<b>22.04.2015 (Wednesday)</b>	<b>24.04.2015 (Friday)</b>
<b>Civil Transportation Engineering  (22)</b>	Applied Mathematics (G2201)	Pavement Analysis Design and Evaluation (G2202)	Traffic Engineering (G2203)	Urban Transportatio n Planning (G2204)	<b>Elective-I</b> Bridge Engineering (G2205)  <b>Elective-I</b> Project Management (G2206)	<b>Elective-II</b> GIS for Transportation (G2207)  <b>Elective-II</b> Pavement Management System (G2208)	----	-----	-----
<b>Civil Structural Engineering/Stru ctural Design  (87)/(85)</b>	Applied Mathematics (G2201)	Theory of Elasticity (G8701)	Matrix Analysis of Structures (G8702)	Structural Dynamics (G8703)	<b>Elective-I</b> Experimental Stress Analysis (G8704)  <b>Elective-I</b> Sub-Structure Design (G8705)  <b>Elective-I</b> Structural Optimization (G8706)	<b>Elective-II</b> Repair and Rehabilitation of Structures (G8707)  <b>Elective-II</b> Analysis and Design of Tall Buildings (G8708)  <b>Elective-II</b> Plastic Analysis and Design (G8709)	----	----	----

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<b>Civil Soil Mechanics &amp; Foundation Engineering / Geo-Technical Engineering (19)/(20)</b>	Advanced Applied Mathematics (G1911)	Advanced Soil Mechanics (G1901)	Foundation Engineering - I (G1902)	Ground Improvement Techniques (G1903)	<b>Elective-I</b> Designing with Geo-synthetics (G1904)  <b>Elective-I</b> Soil-Foundation Interaction. (G1905)  <b>Elective-I</b> Critical State Soil Mechanics (G1906)	<b>Elective-II</b> Earth Dams (G1907)  <b>Elective-II</b> Rock Mechanics (G1908)  <b>Elective-II</b> Remote Sensing and Geographical Information Systems (G1909)	----	----	----
<b>Civil Geoinformatics (74)</b>	Geo-Informatics Tools & Techniques (G7401)	Introduction To Remote Sensing (G3202)	Geographical Information Systems (G3203)	Earth Systems (G7402)	Object Oriented Programming Through JAVA (G3205)	<b>Elective-I</b> Data Base Management Systems (G3206)  <b>Elective-I</b> Principles of Geo-Data Base (G3207)  <b>Elective-I</b> Web Technologies (G3208)	----	----	----

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<b>Civil Spatial Information Technology</b> (32)	Principles of Photogrammetry (G3201)	Introduction To Remote Sensing (G3202)	Geographical Information Systems (G3203)	Digital Image Processing (G3204)	Object Oriented Programming Through JAVA (G3205)	<b>Elective-I</b> Data Base Management Systems (G3206)  <b>Elective-I</b> Principles of Geo-Data Base (G3207)  <b>Elective-I</b> Web Technologies (G3208)	----	----	----
<b>Civil Highway Engineering</b> (23)	Highway Infrastructure Engineering (G2301)	Pavement Material Characterization (G2302)	Traffic Engineering (G2203)	Urban Transportation Planning (G2204)	<b>Elective – I</b>  Applied Statistics (G2303)  Project Management (G2206)  Bridge Engineering (G2304)	<b>Elective – II</b> Remote Sensing & Global Positioning System (G2305)  Engineering of Ground (G2306)  Concrete Technology (G2307)	----	----	----

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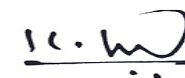
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<b>CSE Information Technology/ Computer Science &amp; Technology  (40)/ (59)</b>	Advanced Data Structures (G4001)	Advanced Graph Theory (G4002)	Parallel Algorithms (G4003)	Data Mining and Knowledge Discovery (G4004)	Advanced Computer Networks (G4005)	Distributed Programming Applications Through JAVA (G4006)	----	----	----
<b>CSE Computer Science  (05)</b>	Data Structures (G4001)	Mathematical Foundations of Computer Science (G0501)	Computer Organization (G0502)	Data Base Management Systems (G0503)	Operating System (G0504)	Data Communications and Computer Networks (G0509)	----	----	----
<b>CSE Computer Science &amp; Engineering  (58)</b>	Advanced Data Structures and Algorithm Analysis (G4001)	Mathematical Foundations of Computer Science (G0501)	Computer Organization and Architecture (G0502)	Data Base Management Systems (G0503)	Operating System (G0504)	Software Engineering (G0505)	----	----	----

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<b>CSE Computer Networks &amp; Information Security (84)</b>	Computer Communications (G8401)	Information Security (G8402)		ADHOC and Sensor Networks (G8404)	Mobile Computing (G2505)	Middleware Technologies (G2506)	Network Programming (G8405)	---	---
<b>CSE Software Engineering (25)</b>	Software Requirements and Estimation (G2501)	Software Metrics and Reuse (G2502)	Software Project and Process Management (G2503)	Web Technologies (G2504)	Mobile Computing (G2505)	Middleware Technologies (G2506)	---	---	---
<b>CSE Neural Networks (69)</b>	Artificial Intelligence	Dataware Housing and Datamining	Natural Language Processing	Web Technologies	Image Processing	Pattern Recognition	---	---	---
<b>CSE Computer Networks (88)</b>	Computer Communications (G8401)	Information Security (G8402)	---	ADHOC and Sensor Networks (G8404)	Mobile Computing (G2505)	Middleware Technologies (G2506)	Network Programming (G8405)	---	---

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<b>Mechanical  Advanced Manufacturing and Mechanical System Design (13)</b>	<b>Elective – I</b>  Industrial Robotics (G0401)  Mechanics of Composites (G1305)	  Interactive Computer Graphics & Design (G1302)	  Optimization Techniques & Applications (G1303)	  Advanced in CNC Technologies (G1304)	  Total Quality Management (G1704)	  <b>Elective – II</b>  Advanced CAD (G1705)  Mechatronics (G0406)  Quality Engineering in Manufacturing (G1306)	  Production Automation & CIM (G1301)	  ----	  ----
<b>Mechanical  Machine Design/Mechanica l Engineering Design (15)/(14)</b>	  Design With Advanced Materials (G1505)	  Advanced Mechanics of Solids (G1502)	  Advanced Mechanisms (G1503)	  <b>Elective-I</b> Geometric Modeling (G1508)	  Computational Methods in Engineering (G1501)	  <b>Elective-I</b> Design of Automobile Systems (G1506)  <b>Elective-I</b> Product Design (G1507)  <b>Elective-I</b> Non Destructive Evaluation (G1509)	  Mechanical Vibrations (G1504)	  ----	  ----

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<b>Mechanical CAD/CAM (04)</b>	Industrial Robotics (G0401)	Computer Aided Manufacturing (G0402)	Special Manufacturing Processes (G0403)	Geometric Modeling (G1508)	<b>Elective-I</b> Computational Methods In Engineering (G1501)	<b>Elective-II</b> Design for Manufacturing (G0405) <b>Elective-II</b> Mechatronics (G0406) <b>Elective-II</b> Computer Aided Process Planning (G0407)	<b>Elective-I</b> Mechanical Vibrations (G1504)	<b>Elective-I</b> Nano Technology (G0404)	----
<b>Mechanical Advanced Manufacturing Systems (17)</b>	<b>Elective-I</b> Industrial Robotics (G0401)	Computer Aided Manufacturing (G0402)	Special Manufacturing Processes (G0403)	Design for Manufacturing and Assembly (G1702)	<b>Elective-I</b> Total Quality Management (G1704)	<b>Elective-II</b> Advanced CAD (G1705) <b>Elective-II</b> Mechatronics (G0406) <b>Elective-II</b> Precision Engineering (G1706)	Automation in Manufacturing (G1701)	Product Data Management (G1703)	----

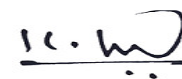
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<b>Mechanical</b>  <b>Thermal Sciences and Energy Systems</b>  <b>(18)</b>	<b>Elective – II</b>  Design of Heat Transfer Equipment <b>(G1806)</b>  Combustion in IC Engines <b>(G1807)</b>  Advanced Finite Element Methods <b>(G1808)</b>	Advanced Thermodynamics <b>(G1801)</b>	Advanced Heat Transfer <b>(G2103)</b>	Advanced Fluid Mechanics <b>(G2104)</b>	Computational Methods in Engineering <b>(G1501)</b>	<b>Elective – I</b>  Computational Fluid Dynamics <b>(G1802)</b>  Refrigeration & Cryogenics <b>(G1803)</b>  Thermal & Nuclear Power Plants <b>(G1804)</b>  Gas Turbines & Jet Propulsion <b>(G1805)</b>	----	<b>Elective – II</b>  Nano Technology <b>(G0404)</b>	----
<b>Nano Technology</b>  <b>(96)</b>	Quantum Mechanics <b>(G9601)</b>	Synthesis of Nano materials <b>(G9602)</b>	Carbon Nano Structures and its Applications <b>(G9603)</b>	Properties of Nano Structures <b>(G9604)</b>	Computational Nano Technology <b>(G9605)</b>	<b>Elective-I</b>  Surface Engineering and Advanced Catalysis <b>(G9606)</b>  Elective-I Nanotechnology for Energy Systems <b>(G9607)</b>  Nano Fluids <b>(G9608)</b>	----	----	----



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<b>MECHANICAL THERMAL ENGINEERING (21)</b>	Optimization Techniques & Applications G2101	Advanced Thermodynamics G2102	Advanced Heat & Mass Transfer G2103	Advanced Fluid Mechanics G2104	<b>Elective-I</b> GAS Dynamics G2105 Refrigeration & Air Conditioning G2106 Renewable Energy Technologies G2107 Theory and Technologies of Fuel Cells G2108	<b>Elective-II</b> Advanced IC Engines G2109 Solar Energy Technology G2110 Turbo Machines G2111 Alternative Fuels Technologies G2112	----	----	----
<b>MECHANICAL AEROSPACE ENGINEERING (41)</b>	Mathematical Modeling G41101	Engineering Analysis of Flight Vehicles G41102	Continuum Mechanics G41103	Air Transportation Systems G41104	<b>Elective-I</b> Fundamentals of Aerospace Engineering G41105 Aerodynamics of Flight Vehicles G41106 Flight Vehicle Structures G41107 Air-breathing Propulsion G41108 Aircraft Systems G41109	<b>Elective-II</b> Modeling and Simulation of Fluid Flows G41110 Computational Structural Analysis G41111 Flight Navigation and Surveillance Systems G41112 Airlines Operations and Scheduling G41113 Rotorcraft Aerodynamics G41114	----	----	----

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<b>BIO TECHNOLOGY (03)</b>	Microbial Technology G0301	Bio Separation Technology G0302	Bioprocess Engineering G0303	Bioinformatics G0304	Recombinant DNA Technology G0305	Immunotechnology G0306	---	---	---
<b>PETROLEUM ENGINEERING (08)</b>	Advanced Numerical Methods and Applied Statistics (G0801)	PE Stream: Offshore Drilling (G0802)	Non-PE Stream: A Fundamentals of Petroleum Geology & Reservoir Engineering (G0803)	PE Stream: Reservoir Stimulation (G0804)	Non-PE Stream: Petroleum Drilling & Production Engineering (G0805)	Transportation of Oil and Gas (G0806)	Advanced EOR Techniques (G0807)	Project Management (G0808)	---

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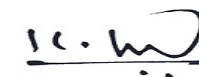
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<b>ECE  VLSI&amp;EMBEDED SYSTEMS/ EMBEDED SYSTEMS &amp; VLSI /VLSID&amp;ES/ES&amp;VLSID (68,48,77,81)</b>	<b>CPLD and FPGA Architectures and Applications (G6804)</b>	<b>VLSI Technology and Design (G6802)</b>	<b>Microcontrollers for Embedded System Design (G6801)</b>	<b>CMOS Analog IC Design (G6803)</b>	<b>Elective-II CMOS Digital IC Design (G6809)  Elective-II Network Security and Cryptography (G6810)</b>	<b>Elective-II Advanced Operating Systems (G6808)</b>	<b>Elective-I Digital System Design (G6806)</b>	<b>Elective-I Hardware Software Co- Design (G6805)</b>	<b>Elective-I Soft Computing Techniques (G6807)</b>
<b>ECE  VLSI/ VLSI Design/ VLSI System Design/ VLSI &amp; Micro Electronics (57,72,61,76)</b>	<b>CPLD and FPGA Architectures and Applications (G6804)</b>	<b>VLSI Technology and Design (G6802)</b>	<b>Elective-II Digital Design using HDL (G5701)  Elective-II Advanced Computer Architecture (G5702)</b>	<b>CMOS Analog IC Design (G6803)</b>	<b>CMOS Digital IC Design (G6809)</b>	<b>Elective-I Advanced Operating Systems (G6808)</b>	<b>Elective-I Digital System Design (G6806)</b>	<b>Elective-II Hardware Software Co- Design (G6805)</b>	<b>Elective-I Soft Computing Techniques (G6807)</b>

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<b>ECE Digital Systems &amp; Computer Electronics (DSCE) (06)</b>	----	VLSI Technology and Design (G6802)	<b>Elective-I</b> Wireless Communication and Networks (G0601) <b>Elective-I</b> Digital Design using HDL (G5701)	Advanced Computer Architecture (G5505)	<b>Elective-II</b> Network Security and Cryptography (G6810) <b>Elective-II</b> System Modeling and Simulation (G0602)	----	Digital System Design (G0604)	Embedded Real Time Operating Systems (G4507)	----
<b>ECE Embedded Systems (55)</b>	Embedded -C (G5502)	Embedded System Design (G5501)	Microcontrollers for Embedded System Design (G6801)	<b>Elective-I</b> Advanced Computer Architecture (G5505)	<b>Elective-I</b> Network Security and Cryptography (G6810)	<b>Elective-II</b> Advanced Operating Systems (G6808) <b>Elective-II</b> Embedded Computing (G5503)	<b>Elective-I</b> Digital System Design (G6806)	Embedded Real Time Operating Systems (G4507)	<b>Elective-II</b> Soft Computing Techniques (G6807)
<b>ECE Systems &amp; Signal Processing/ Digital Image Processing/ Communication Engineering &amp; Signal Processing/C&amp;SP/SP&amp;C (45,63,46,8036)</b>	Coding Theory and Applications (G4501)	Transform Techniques (G4502)	Advanced Digital Signal Processing (G4503)	Digital Data Communications (G4504)	<b>Elective-I</b> Network Security and Cryptography (G6810)	<b>Elective-I</b> Statistical Signal Processing (G4505) <b>Elective-I</b> Pattern Recognition Principles (G4506)	<b>Elective-II</b> Object Oriented Programming (G4508)	<b>Elective-II</b> Embedded and Real Time Systems (G4507)	<b>Elective-II</b> Soft Computing Techniques (G6807)

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<b>ECE Digital Electronics And Communication Systems/ Electronics &amp; Communication Engineering/  (38,70)</b>	<b>Elective-II Optical Communication Technology (G3801)</b>	<b>Elective-I  VLSI Technology and Design (G6802)  Elective-I  Transform Techniques (G4502)</b>	<b>Advanced Digital Signal Processing (G4503)</b>	<b>Digital Data Communications (G4504)</b>	---	<b>Elective-II Statistical Signal Processing (G4505)</b>	<b>Digital System Design (G6806)</b>	<b>Detection &amp; Estimation Theory (G8205)</b>	---
<b>ECE Communication Systems  (47)</b>	<b>Optical Communication Technology (G3801)</b>	---	<b>Advanced Digital Signal Processing (G4503)</b>	<b>Digital Data Communications (G4504)</b>	<b>Elective-II Network Security and Cryptography (G6810)  Elective-II Wireless LAN &amp; PANS (G4702)  Elective-II Mobile Computing Technologies (G4703)</b>	<b>Elective-I  RF Circuit Design (G8207)</b>	<b>Elective-I  Radar Signal Processing (G8206)  Elective-I Advanced Computer Networks (G4701)</b>	<b>Detection &amp; Estimation Theory (G8205)</b>	---

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<b>ECE MICROWAVE AND COMMUNICATION ENGINEERING (82)</b>	Advanced Electro Magnetic Theory (G8201)	Advanced Antenna Theory & Design (G8202)	<b>Elective-I</b> Advanced Digital Signal Processing (G4503) <b>Elective-I</b> Microwave Integrated Circuits (G8204)	Digital Data Communications (G4504)	Microwave Components & Measurements (G8203)	<b>Elective-II</b> RF Circuit Design (G8207)	<b>Elective-II</b> Radar Signal Processing (G8206)	<b>Elective-I</b> Detection & Estimation Theory (G8205)	<b>Elective-II</b> Soft Computing Techniques (G6807)
<b>ECE DIGITAL ELECTRONICS COMMUNICATION ENGINEERING (37)</b>	Elective-II Optical Communication Technology (G3801)	<b>Elective-I</b> VLSI Technology and Design (G6802 ) Elective-I Transform Techniques (G4502)	Advanced Digital Signal Processing (G4503)	Digital Data Communications (G4504)	----	<b>Elective-II</b> Statistical Signal Processing (G4505)	Digital System Design (G6806)	Detection & Estimation Theory (G8205)	----

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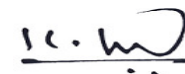
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<b>EEE High Voltage Engineering/ High Voltage Power Systems (62,64)</b>	Dielectric and Insulation Engineering (G6101)	<b>Elective-I</b> Advanced Digital Signal Processing (G5611)	----	Power System Operation and Control (G5603)	<b>Elective-I</b> Smart Grid (G6202)  <b>Elective-I</b> Breakdown Phenomenon in Electrical Insulation (G6203)	<b>Elective-II</b> High Voltage Power Apparatus & Diagnostics (G6204) <b>Elective-II</b> Collision Phenomena in Plasma Science (G6205) <b>Elective-II</b> Advanced EM Fields (G6206)	HVDC Transmission (G5602)	Generation & Measurement of High Voltages (G5612)	<b>Elective-I</b> Artificial Intelligence Techniques (G5609)
<b>EEE Power Systems/ Power System Control and Automation/ Electrical Power Engineering/Electrical Power Systems (56,53,60,65)</b>	Microprocessors & Microcontrollers (G5601)	<b>Elective-II</b> Advanced Digital Signal Processing (G5611)	Reactive Power Compensation & Management (G5604)	Power System Operation and Control (G5603)	<b>Elective-I</b> Electrical Distribution Systems (G5605) <b>Elective-I</b> HVAC Transmission (G5606) <b>Elective-I</b> Analysis of Power Electronics Converters (G5607) <b>Elective-I</b> Renewable Energy Systems (G5608)	<b>Elective-II</b> Power System Security (G5610)  <b>Elective-II</b> Programmable Logic Controllers & Applications (G5613)	HVDC Transmission (G5602)	<b>Elective-II</b> Generation & Measurement of High Voltages (G5612)  <b>Elective-II</b> Modern Control Theory (G5614)	<b>Elective-I</b> Artificial Intelligence Techniques (G5609)

<b>BRANCH &amp; SPECIALIZATION</b>	<b>06.04.2015 (Monday)</b>	<b>08.04.2015 (Wednesday)</b>	<b>10.04.2015 (Friday)</b>	<b>13.04.2015 (Monday)</b>	<b>15.04.2015 (Wednesday)</b>	<b>17.04.2015 (Friday)</b>	<b>20.04.2015 (Monday)</b>	<b>22.04.2015 (Wednesday)</b>	<b>24.04.2015 (Friday)</b>
<p><b>EEE</b></p> <p><b>Power Electronics/ Power and Industrial Drives/ Power Electronics and Electrical Drives/ Power Electronics and Drives/ Electrical Machines and Drives</b></p> <p><b>(43,42,54,52,44)</b></p>	<p>Analysis of Power Electronic Converters <b>(G4302)</b></p>	<p>Electrical Machine Modeling &amp; Analysis <b>(G4301)</b></p>	<p>Electric Drives-I <b>(G4303)</b></p>	<p>Flexible AC Transmission Systems <b>(G4304)</b></p>	<p><b>Elective-II</b> Energy Auditing, Conservation and Management <b>(G4307)</b></p>	<p><b>Elective-I</b> Power Quality <b>(G4305)</b></p> <p><b>Elective-I</b> Optimization Techniques <b>(G4306)</b></p>	<p><b>Elective-II</b> HVDC Transmission <b>(G5602)</b></p>	<p><b>Elective-I</b> Modern Control Theory <b>(G5614)</b></p>	<p><b>Elective-II</b> Artificial Intelligence Techniques <b>(G4308)</b></p>
<p><b>EEE</b></p> <p><b>Power Electronics &amp; Power Systems</b></p> <p><b>(99)</b></p>	<p>Analysis of Power Electronic Converters <b>(G4302)</b></p>	<p>Digital Controllers <b>(G9901)</b></p>	<p>Reactive Power Compensation &amp; Management <b>(G5604)</b></p>	<p>----</p>	<p><b>Elective-I</b> Renewable Energy Systems <b>(G5608)</b></p>	<p><b>Elective-II</b> Power Quality <b>(G4305)</b></p> <p><b>Elective-II</b> Optimization Techniques <b>(G4306)</b></p> <p><b>Elective-II</b> Power Semiconductor Devices &amp; Protection <b>(G9902)</b></p>	<p>HVDC Transmission <b>(G5602)</b></p>	<p><b>Elective-I</b> Modern Control Theory <b>(G5614)</b></p>	<p><b>Elective-I</b> Artificial Intelligence Techniques <b>(G4308)</b></p>



<b>BRANCH &amp; SPECIALIZATION</b>	<b>06.04.2015 (Monday)</b>	<b>08.04.2015 (Wednesday)</b>	<b>10.04.2015 (Friday)</b>	<b>13.04.2015 (Monday)</b>	<b>15.04.2015 (Wednesday)</b>	<b>17.04.2015 (Friday)</b>	<b>20.04.2015 (Monday)</b>	<b>22.04.2015 (Wednesday)</b>	<b>24.04.2015 (Friday)</b>
<b>EEE Control Systems, (95)</b>	Advanced Control Theory (G9501)	Advanced Digital Control Systems (G9502)	Stochastic Estimation and Control (G9503)	System and Parameter Identification (G9504)	<b>Elective-I</b> Computer Controlled Systems (G9505)  <b>Elective-I</b> Control of Special Machines (G9506)	<b>Elective-II</b> Micro Controller & Applications (G9507)  <b>Elective-II</b> Process Control and Automation (G9508)	----	----	----
<b>EEE ADVANCED POWER SYSTEM (50)</b>	Microprocessors & Microcontrollers (G5601)	<b>Elective-II</b> Advanced Digital Signal Processing (G5611)	Reactive Power Compensation & Management (G5604)	Power System Operation and Control (G5603)	<b>Elective-I</b> Electrical Distribution Systems (G5605) <b>Elective-I</b> HVAC Transmission (G5606) <b>Elective-I</b> Analysis of Power Electronics Converters (G5607) <b>Elective-I</b> Renewable Energy Systems (G5608)	<b>Elective-II</b> Power System Security (G5610)  <b>Elective-II</b> Programmable Logic Controllers & Applications (G5613)	HVDC Transmission (G5602)	<b>Elective-II</b> Generation & Measurement of High Voltages (G5612) <b>Elective-II</b> Modern Control Theory (G5614)	<b>Elective-I</b> Artificial Intelligence Techniques (G5609)

- NOTE: (i) If Government declares holiday on any of the above dates, the examinations will be conducted as usual  
(ii) Any omissions or clashes in this Time Table may please be informed to the Controller of Examinations immediately.  
(iii) The Principals are requested to inform the University, if any other substitute subjects that are not included in the above time table immediately



Date: 26-03-2015

Controller of Examinations