

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**  
**KAKINADA- 533003**

**M.Tech II Semester Regular Examinations (R09 Regulations ), October,2012**

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

Time: 10:00AM to 01:00 PM

| Date & Day              | MECHANICAL                               |  | CIVIL  |   | BIO-TECHNOLOGY                      | CHEMICAL ENGINEERING                                     |
|-------------------------|--|--|--|---|-------------------------------------|--|
|                         | MACHINE DESIGN                           | CAD/CAM                                  | TRANSPORTATION ENGINEERING                   | STRUCTURAL ENGINEERING                              |                                     |  |
| 15-10-2012<br>Monday    | Advanced Optimization Techniques (D0401) | Advanced Optimization Techniques (D0401) | Operation research (D7301)                   | Finite Element method in Structural Engineering     | Genetic Engineering (D0301)         | Multicomponent Mass Transfer ACH21201                    |
| 17-10-2012<br>Wednesday | Mechanical Vibrations (D1501)            | Computer Graphics (D0402)                | GIS in Transportation Engineering (D7302)    | Computer Applications and CAD                       | Enzyme Engineering (D0302)          | Computational fluid Dynamics ACH21202                    |
| 19-10-2012<br>Friday    | Robotics (D0403)                         | Robotics (D0403)                         | Pavement construction and management (D7303) | Stability of Structures                             | Environmental Biotechnology (D0303) | Advanced Process Control ACH21203                        |
| 23-10-2012<br>Monday    | Experimental Stress Analysis (D1502)     | CNC Technology & programming (D0404)     | Urban transportation planning (D7304)        | Structural Dynamics and Earthquake Resistant Design | Industrial Biotech products (D0304) | Optimization Techniques in Chemical Engineering ACH21204 |

|                         |   |  |  |   |  |  |
|-------------------------|---|--|--|---|--|--|
| 25-10-2012<br>Wednesday | <u>Elective I</u><br>1.Advanced Geometric Modeling (D0409)<br>2.Product Engineering (D0406)<br>3.Computational Fluid Dynamics (D1504)<br>4.Theory of Plasticity (D1505) | <u>Elective II. I</u> Advanced Geometrical Modeling (D0409)<br><br><u>Elective I</u><br>2.Product Engineering (D0406)<br>3.Cellular Manufacturing Systems (D0407)<br>4.Rapid Prototyping (D0408) | Environmental impact assessment (D7305)  | <u>Elective-I</u><br>1.Pre-Stress concrete<br><br>2. Composite Materials<br><br>3.Fracture Mechanics  | <u>Elective I</u><br>1.Nanotechnology (D0305)<br>2.Proteomics and Genomics for target identification (D0306) | <u>Elective-I</u><br>1.Advanced Chemical Engineering plant design ACH21205<br>2.Chemical Process Safety ACH21206<br>3.Advanced Petroleum Refining Process ACH21207 |
| 29-10-2012<br>Friday    | <u>Elective II</u><br>1.Pressure Vessel Design (D1506)<br>2.Nano Technology (D1507)<br>3.Mechatronics (D1508)<br>4.Mechanics of Composite Materials (D1509)             | <u>Elective II</u><br>2.Artificial Intelligence & Expert Systems (D0410)<br>3.Mechanics and Manufacturing methods of Composites (D0411)<br>4.Concurrent Engineering (D04012)                     | <u>Elective I</u><br>1.Remote sensing and GPS for transportation engineering (D7306)<br>2.Air Port Engineering (D7307)<br>3.Rural Roads (D7308)) | <u>Elective-II</u><br>1.Special topics in structural design<br><br>2. Principle of Bridge Engineering<br><br>3.Principles of foundation Engineering | ---  | --   |
| 31-10-2012<br>Monday    | -   | <u>Elective I</u><br>1.Mechanics of Metal Cutting and Tool Design (D0405)  | --   | --  | --   | --   |

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(iii) The Principals are requested to inform the University, if any other substitute subjects that are not included in the above list immediately.

*A.m.prasad*

**Date: 22-09-2012**

**Controller of Examinations**

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA  
KAKINADA- 533003

**M.Tech II Semester Regular Examinations (R09 Regulations), October,2012**

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

Time: 10:00AM to 01:00 PM

| <b>TIME TABLE FOR ELECTRONICS &amp; COMMUNICATION ENGINEERING</b> |   |   |  |   |   |  |  |   |
|---|---|---|--|---|---|--|--|---|
| <b>Date &amp; Day</b>   | <b>VLSI SYSTEM DESIGN</b>                                   | <b>VLSI &amp; EMBEDDED SYSTEMS / VLSI DESIGN</b>            | <b>EMBEDDED SYSTEMS</b>                                  | <b>DIGITAL ELECTRONICS &amp; COMMUNICATION SYSTEMS</b>    | <b>DIGITAL SYSTEMS &amp; COMPUTER ELECTRONICS</b>           | <b>ELECTRONICS &amp; COMMUNICATION</b>           | <b>SYSTEMS &amp; SIGNAL PROCESSING</b>           | <b>DIGITAL IMAGE PROCESSING</b>   |
| 15-10-2012<br>Monday  | Algorithms for VLSI Design Automation (D5501)               | Algorithms for VLSI Design Automation (D5501)               | Algorithms for VLSI Design Automation (D5501)            | Wireless Communication & Networks (D3801)                 | Wireless Communication & Networks (D3801)                   | Wireless Communication & Networks (D3801)        | Wireless Communication & Networks (D3801)        | <u>Elective:</u><br>Wireless Communication & Networks (D3801)   |
| 17-10-2012<br>Wednesday   | Low Power VLSI Design (D5505)                               | Low Power VLSI Design (D5505)                               | <u>Elective</u> Low Power VLSI Design (D5505)            | Low Power VLSI Design (D5505)                             | <u>Elective:</u><br>1. Micro computer system Design (D0602) | --   | --   | <u>Elective:</u><br>2. Micro Computer System Design (D0602)   |
| 19-10-2012<br>Friday  | DSP Processor & Architecture (D3803)                        | DSP Processor & Architecture (D3803)                        | DSP Processor & Architecture (D3803)                     | DSP Processors & Architecture (D3803)                     | DSP Processors & Architecture (D3803)                       | DSP Processors & Architecture (D3803)            | DSP Processors & Architecture (D3803)            | <u>Elective</u> DSP Processors & Architecture (D3803)   |
| 23-10-2012<br>Monday  | <u>Electives</u><br>2. System Modeling & simulation (D3806) | <u>Elective:</u><br>2. System Modeling & Simulation (D3806) | <u>Elective:</u> 1. System Modeling & Simulation (D3806) | <u>Electives</u><br>2. System Modeling Simulation (D3806) | <u>Electives</u><br>2. System Modeling & Simulation (D3806) | <u>Electives</u><br>2. RF Circuit Design (D7001) | <u>Electives</u><br>2. RF Circuit Design (D7001) | <u>Electives</u><br>1. Statistical Signal Processing (D6302)<br>2. System Modeling & Simulation (D3806) |

|                         |   |   |  |   |   |  |   |  |
|-------------------------|---|---|--|---|---|--|---|--|
| 25-10-2012<br>Wednesday | Design of Fault Tolerant Systems (D0601)                                | <u>Elective</u><br>1.Design of Fault Tolerant Systems (D0601)           | <u>Elective</u><br>2. Design of Fault Tolerant Systems (D0601)         | Optical Communication (D3804)   | Design of Fault Tolerant Systems (D0601)  | Optical Communication (D3804)                    | Design of Fault Tolerant Systems (D0601)  | <u>Elective</u><br>Optical Communication (D3804) |
| 29-10-2012<br>Friday    | <u>Elective</u><br>1.Embedded and Real time Systems (D6801)             | Embedded and Real time Systems (D6801)                                  | Real Time Operating Systems for Embedded Systems (D5502)               | <u>Electives</u><br>1.Internet Protocols (D3807)<br><br>2.Network Security and Cryptography (D3808) | <u>Electives</u><br>1.Internet Protocols (D3807)<br><br>2.High Speed Networks (D0603) | <u>Electives</u><br>2.Internet Protocols (D3807) | <u>Electives</u><br>1.Internet Protocols (D3807)<br><br>2.Network Security and Cryptography (D3808) | Image Processing and Pattern Recognition (D5812) |
| 31-10-2012<br>Monday    | <u>Electives</u> 1. CPLD and FPGA Architecture and Applications (D5506) | <u>Electives</u> 1. CPLD and FPGA Architecture and Applications (D5506) | <u>Electives</u> 2.CPLD and FPGA Architecture and Applications (D5506) | Analog & Digital IC Design (D3802)  | Analog & Digital IC Design (D3802)  | Analog & Digital IC Design (D3802)               | Analog & Digital IC Design (D3802)  | Detection and Estimation of Signals (D6301)      |
| 02-11-2012<br>Wednesday | <u>Elective.</u> Advanced Microcontrollers and Processors (D5504)       | <u>Elective.</u> Advanced Microcontrollers and Processor (D5504)        | Advanced Microcontrollers and Processors (D5504)                       | <u>Elective</u> Radar Signal Processing (D3805)   | --  | <u>Elective</u> Radar Signal Processing (D3805)  | <u>Elective.</u> Radar Signal Processing (D3805)  | Radar Signal Processing (D3805)                  |
| 05-11-2012<br>Friday    | --  | --  | --   | --  | --  | 2.Image and Video Processing (D7002)             | --  | Image and Video Processing (D7002)               |

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*A.m. phasad*

**Date: 22-09-2012**

**Controller of Examinations**

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA  
KAKINADA- 533003

**M.Tech II Semester Regular Examinations (R09 Regulations), October,2012**

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

Time: 10:00AM to 01:00 PM

| <b>TIME TABLE FOR COMPUTER SCIENCE &amp; ENGINEERING</b> |  |   |   |  |  |
|--|--|---|---|--|--|
| <b>Date &amp; Day</b>                                    | <b>Computer Science</b>                                    | <b>Information Technology</b>                   | <b>Software Engineering</b>                         | <b>Computer Science &amp; Engineering</b>                            | <b>Neural Network</b>                                |
| 15-10-2012<br>Monday                                     | <u>Elective</u> . Data Warehousing and Data Mining (D5809) | Advances in Computing (D4001)                   | Data Warehousing and Data Mining (D5809)            | Data Warehousing and Data Mining (D5809)                             | Data Warehousing and Mining (D5809)                  |
| 17-10-2012<br>Wednesday                                  | Artificial Intelligence and Soft computing (D5801)         | <u>Elective</u> . Information Security (D4009)  | Information Security (D4009)                        | <u>Elective</u> . Artificial Intelligence and Soft Computing (D5801) | Information Security, Management & Standards (D6901) |
| 19-10-2012<br>Friday                                     | Object Oriented Software Engineering (D5803)               | Machine Learning (D4003)                        | Software process and Project Management (D2501)     | Object Oriented Software Engineering (D5803)                         | Machine Learning (D4003)                             |
| 23-10-2012<br>Monday                                     | Compiler Design (D5804)                                    | Advanced Computer Networks (D4004)              | Secure Software Engineering (D2502)                 | <u>Elective I</u> . Compiler Design (D5804)                          | Digital Image processing (D6902)                     |
| 25-10-2012<br>Wednesday                                  | <u>Electives 1</u> . Mobile Computing                      | <u>Electives 2</u> . Ad hoc and Sensor Networks | <u>Electives 1</u> . Adhoc and Sensor Networks (E4) | <u>Electives 1</u> . Mobile Computing                                | <u>Electives 1</u> . Mobile Computing                |

|  |         |  |   |         |   |
|--|---------|--|---|---------|---|
|  | (D5805) | (D4006)<br>4.Soft Computing<br>(D4007) | (D4006)<br>2.Software Architecture<br>Design pattern<br>(D2504)<br>4.Software Architecture and<br>process Management<br>(D2505) | (D5805) | (D5805)<br>4.Ad hoc and Sensor<br>Networks<br>(D4006)<br>3.Speech Processing<br>(D6903) |
|--|---------|--|---|---------|---|



|                         |  |  |  |  |  |
|-------------------------|--|--|--|--|--|
| 29-10-2012<br>Friday    | <u>Electives 2.</u> Secure Database Applications Development (D5810)<br>3.Middleware and Enterprise Integration Technology (D5811)<br>4.Image processing and pattern Recognition (D5812) | <u>Electives 1.</u> Distributed Computing (D4008)<br>3.Information Retrieval (D4010) | <u>Electives 1.</u> Information Storage and Management (D2503)<br>(E) 4.Middleware and Enterprise Integration Technologies (D5811) | <u>Electives</u><br>2.Secured Database Applications Development (D5810 )<br>3.Middleware and Enterprise Integration Technologies (D5811)<br>4.Image Processing and pattern recognition (D5812) | <u>Electives</u><br>3.Fault Tolerant Systems (D6904)<br>4.Patern Recognition (D6905) |
| 31-10-2012<br>Monday    | Computer Networks (D5802)  | Parallel Computing & Algorithms (D4002)  | --   | Computer Networks (D5802)  | --   |
| 02-11-2012<br>Wednesday | <u>Elective 4.</u> Human Computer Interaction (D5808)  | <u>Elective</u> Computational Geometry (D4005)                                       | <u>Elective 3.</u> Human computer Interaction (D5808)  | <u>Elective 4.</u> Human Computer Interaction (D5808)  | <u>Elective</u> Computational Geometry (D4005)                                       |
| 05-11-2012<br>Friday    | 3.Web Technologies (D5807)   | <u>Elective</u> Multimedia and Application Development (D4011)                       | <u>Elective</u> Multimedia and application Development (D4011)   | Web Technologies (D5807)   | <u>Elective</u> : Multimedia and Application Development (D4011)                     |
| 07-11-2012<br>Monday    | Bio-Informatics (D5806)  | Bio-Informatics (D5806)  | Bio-Informatics (D5806)  | Bio-Informatics (D5806)  | E-2 Bio-Informatics (D5806)  |

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*A.m.prasad*  
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**KAKINADA- 533003**  
**M.Tech II Semester Regular Examinations (R09 Regulations), October,2012**  
**T I M E T A B L E**

Time: 10:00AM to 01:00 PM

| <b>TIME TABLE FOR ELECTRICAL &amp; ELECTRONICS ENGINEERING</b> |   |   |  |   |   |
|--|---|---|--|---|---|
| <b>Date &amp; Day</b>  | <b>Power&amp; industrial Drives</b>                   | <b>Power Electronics</b>                              | <b>Power System Control &amp; Automation / Power Systems</b> | <b>Power Systems with emphasis on HV Engineering</b>  | <b>Power Electronics&amp; Electric Drives</b>         |
| 15-10-2012<br>Monday   | Switched Mode Power conversion<br>(D4301)             | Switched Mode Power conversion<br>(D4301)             | Power System Dynamics and Stability<br>(D5301)               | High Voltage Testing Technology<br>(D5601)            | Switched Mode Power Conversion<br>(D4301)             |
| 17-10-2012<br>Wednesday  | Power Electronics Control of AC Drives<br>(D4302)     | Power Electronics Control of AC Drives<br>(D4302)     | FACTS Controllers<br>(D5302)                                 | EHV and HVAC Transmission<br>(D5602)                  | Power Electronics Control of AC Drives<br>(D4302)     |
| 19-10-2012<br>Friday   | Flexible AC Transmission Systems<br>(D4303)           | Flexible AC Transmission Systems<br>(D4303)           | Real Time control of Power System<br>(D5303)                 | Surge Phenomenon & Insulation Coordination<br>(D5603) | Flexible AC Transmission Systems<br>(D4303)           |
| 23-10-2012<br>Monday   | Digital Signal Processing and Applications<br>(D4304) | Digital Signal Processing and Applications<br>(D4304) | Advanced Power System Protection<br>(D5604)                  | Advanced Power System Protection<br>(D5604)           | Digital Signal Processing and Applications<br>(D4304) |

|                         |   |   |   |   |  |
|-------------------------|---|---|---|---|--|
| 25-10-2012<br>Wednesday | <u>Electives 1</u> .Digital control Systems (D4305)<br>2.Intelligent Control (D4306)                          | <u>Electives 1</u> .Digital control Systems (D4305)<br>2.Intelligent Control (D4306)                          | <u>Electives 1</u> .Digital Control Systems (D4305)<br>2.Power System Reliability (D5304)<br>3.PLC Controllers and its Applications (D5606) | <u>Electives 1</u> .Partial Discharge in HV Equipment (D5605)<br>2.PLC Controllers and its Applications (D5606)<br>3.Power Systems Transients (D5607) | <u>Electives 1</u> .Digital Control Systems (D4305)<br>2.Intelligent Control (D4306)                           |
| 29-10-2012<br>Friday    | <u>Electives 1</u> .Power Quality Management (D4307)<br>2.Energy Auditing Conservation and Management (D4308) | <u>Electives 1</u> .Power Quality Management (D4307)<br>2.Energy Auditing Conservation and Management (D4308) | <u>Electives 1</u> .Voltage Stability (D5305)<br>2.Power System Deregulation (D5306)<br>3.Demandside Energy Management (D5307)              | <u>Electives 1</u> .Collision Phenomena (D5608)<br>2.Pulse Power Engineering (D5609)<br>3.Advance EM Fields (D5610)                                   | <u>Electives 1</u> .Power Quality Management (D4307)<br>2.Energy Auditing, Conservation and Management (D4308) |

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*A.m.prasad*

**Date: 22-09-2012**

**Controller of Examinations**

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY: KAKINADA**

**EXAMINATION BRANCH :: KAKINADA – 500 033**

**M.Tech II semester 10 Regulations – (10 Admitted Batch only ) Regular Examinations – October, 2012**

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

**Time: 10.00 AM to 1.00 PM**

| <b>BRANCHES/<br/>Specializations</b>                | 15-10-2012<br>Monday                             | 17-10-2012<br>Wednesday         | 19-10-2012<br>Friday                  | 23-10-2012<br>Monday                          | 25-10-2012<br>Wednesday  | 29-10-2012<br>Friday   | 31-10-2012<br>Monday |
|---|--|---------------------------------|---------------------------------------|---|--|--|----------------------|
| <b>CIVIL<br/>TRANSPOTATI<br/>ON<br/>ENGINEERING</b> | Aviation<br>Infrastructure<br>Planning           | Project<br>Engineering          | Pavement<br>Management<br>System      | Urban<br>Transport<br>Planning                | GIS for<br>Transportation<br>Engineering   | <u>Elective: I</u><br>1.Design and<br>Management of<br>Rural Roads<br>2.Rail Road<br>Engineering<br>3.Geometric<br>Design of<br>Transportation<br>facilities                       | --                   |
| <b>MECHANICA<br/>L<br/>THERMAL<br/>ENGINEERING</b>  | Fuels,<br>Combustion &<br>Environment<br>(TE201) | Energy<br>Management<br>(TE202) | Finite Element<br>Analysis<br>(TE203) | Computational<br>Fluid<br>Dynamics<br>(TE204) | <u>Elective I</u><br>1.Equipment<br>Design for<br>Thermal systems<br>(TE205)<br>2.Convective Heat<br>Transfer<br>(TE206)<br>3.Thermal &<br>Nuclear Power<br>Plant<br>(TE207) | <u>Elective II</u><br>1.Thermal<br>Measurement and<br>process controls<br>(TE208)<br>2.Refrigeration &<br>Air Conditioning<br>(TE209)<br>3.Jet Propulsion &<br>Rocketry<br>(TE210) | --                   |

|  |   |   |   |   |   |  |   |
|--|---|---|---|---|---|--|---|
| BIO<br>TECHNOLOGY<br>(03-B.T.)                             | Recombinant<br>DNA<br>Technology<br>MBI0201             | Bio<br>separation<br>Technology<br>MBI0202  | Bioinformati<br>cs, Genomics<br>&<br>Proteomics<br>MBI0203        | Bioreactor<br>design<br>MBI0204   | <u>Elective-I</u><br>1.Stem cell<br>Technology<br>Plant<br>biotechnology<br>MBI0205   | <u>Elective-II</u><br>1.Regulatory<br>affairs and<br>clinical trails<br>/Cancer biology<br>MBI0206   | --  |
| ECE<br>MICROWAVE &<br>COMMUNICATIO<br>N ENGINEERING        | Wireless<br>Communicati<br>on &<br>Networks<br>MCE10202 | Solid State<br>Microwave<br>Devices &<br>Circuits<br>MCE10201                                   | Microwave<br>Networks<br>and<br>Measurement<br>s<br>MCE10203      | EMI/ EMC<br>MCE10204  | <u>Elective I</u><br>1.Microstrip<br>Components &<br>Micro strip<br>Antennas<br>MCE10205<br>2.Software<br>Radio<br>MCE10206   | <u>Elective II</u><br>1.Transform<br>Techniques<br>MCE10207<br>2.Selected Topics<br>in antennas<br>MCE10208  | --  |
| CSE<br>COMPUTER<br>NETWORKS AND<br>INFORMATION<br>SECURITY | Wireless<br>Networks and<br>Security<br>CNIS210         | <u>Elective II</u><br>4.Informatio<br>n Security,<br>Managemen<br>t and<br>Standards<br>CNIS264 | Information<br>Security<br>protecting<br>the Perimeter<br>CNIS230 | Service<br>Oriented<br>Architecture<br>with Cloud<br>Computing<br>CNIS240 | <u>Elective I</u><br>1.Distributed<br>Systems<br>CNIS251<br>2.Web Services<br>CNIS252<br>4. Adhoc and<br>Sensor Networks<br>CNIS254<br><u>Elective II</u><br>3.Mobile<br>Computing<br>CNIS263 | <u>Elective II</u><br>1.Network<br>Management and<br>Performance<br>Evaluation<br>CNIS261<br>2.Information<br>Retrieval System<br>CNIS262<br><u>Elective I</u><br>3.Secured<br>Database<br>Application<br>Development<br>CNIS253 | Linux<br>Networking and<br>System<br>Administrator<br>CNIS220 |

|  |  |   |   |   |   |  |   |
|--|--|---|---|---|---|--|---|
| CSE<br>COMPUTER NETWORKS<br>(88)                             | System Modeling And Simulation<br>(C8811)        | Stochastic Models And Applications<br>(C8812) | Client-Server Programming<br>(C8813)              | Optical Networks<br>(C8814)                   | Switching & Statistical Multiplexing In Telecommunications<br>(C8815)                                 | Distributed Systems<br>(C8816)   |   |
| ECE<br>COMMUNICATION AND SYSTEM PROCESSING<br>(C&SP)<br>(80) | Wireless Communications & Networks<br>(D8011)    | Fiber Optical Communication System<br>(D8012) | Dsp Processors And Architecture<br><b>(D3803)</b> | Advanced Digital Signal Processing<br>(D8013) |   | (Elective-IV )<br>1.Embedded System Concepts<br>(D8015)<br>2.Image Processing<br>(D8016)               | (Elective-III )<br>1.Computer Networks<br><b>(D5802)</b><br>2.Neural Networks And Applications<br>(D8014) |
| COMTROL SYSTEMS<br>(95)                                      | Robotics and Control<br>(C9521)                  | Non-Linear Systems Analysis<br>(C9522)        | Advanced Digital Signal Processing<br>(C9523)     | Optimal Control Theory<br>(C9524)             | Elective-III<br>1. A I Techniques<br>(C9525)<br>2. Embedded Real Time Operating System EMS<br>(C9526) | Elective-IV<br>1. Renewable Energy Sources<br>(C9527)<br>2. Power Quality Management<br><b>(D4307)</b> |   |
| NANO TECHNOLOGY<br>(96)                                      | Material characterizati on techniques<br>(D9621) | Properties of nano structures<br>(D9622)      | Nano Electronics And Nano Photonics<br>(D9623)    | Carbon nanotubes and applications<br>(D9624)  | Nano composites-Design and synthesis<br>(D9625)   | Elective-II<br>1. MEMS/NEMS design and application<br>(D9626)<br>2. Lithography techniques<br>(D9627)  |   |

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*A.m.prasad*  
**Controller of Examinations**