

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

EXAMINATION BRANCH ::KAKINADA – 500 033

M.TECH I SEMESTER 09 REGULATIONS – REGULAR END EXAMINATIONS- MARCH - 2010

T I M E T A B L E

TIME: 10.00 AM To 1.00. PM

| BRANCHES/ SPECIALIZATIONS | 08-03-2010 Monday | 10-03-2010 Wednesday | 12-03-2010 Friday | 15-03-2010 Monday | 17-03-2010 Wednesday | 19-03-2010 Friday | 22-03-2010 Monday | 25-03-2010 Thursday | 27-03-2010 Saturday |
|--|---|--|--|--------------------------------------|--|--|----------------------|------------------------|------------------------|
| BIO TECHNOLOG (03-B.T) | Advanced Micro Biology | Advanced Bio- Chemistry | Bio-Chemical Engineering | Advanced Downstream Processing | Elective – I | ----- | ---- | ---- | ----- |
| MECHANICAL CAD/CAM (04) | Advances in Manufacturing Technology | Computer Integrated Manufacturing | Geometric Modeling | Finite Element Methods | <u>Elective – I</u> Non Destructive Evaluation | <u>Elective – II</u> Design for Manufacturing | ----- | ----- | ----- |
| | | | | | Computational Methods | Computer Aided Process Planning | | | |
| | | | | | Nano-Technology | Mechatronics | | | |
| | | | | | Quality Engg.& Manufacturing | Fracture Fatigue & Creep Deformation | | | |
| MECHANICAL Machine Design (15) | Advanced Mechanics | Advanced Mechanics of Solids | Geometric Modeling | Finite Element Methods | <u>Elective – I</u> Continuum Mechanics & Tensor Analysis | <u>Elective – II</u> Fracture, Fatigue & Creep deformation | ----- | ---- | ----- |
| | | | | | Computational Methods | Materials Technology | | | |
| | | | | | Tribology | Gear Engineering | | | |
| | | | | | Non Destructive Evaluation | Design for Manufacturing | | | |
| C. S. E COMPUTER SCIENCE - 58 | Data Structures and Algorithm Analysis | Mathematical Foundation of Computer Science | Computer Organization and Architecture | Database Management Systems | Operating Systems | Object Oriented Programming | ----- | ---- | ----- |

M.TECH. I SEM. (09)

| BRANCHES/ SPECIALIZATIONS | 08-03-2010 Monday | 10-03-2010 Wednesday | 12-03-2010 Friday | 15-03-2010 Monday | 17-03-2010 Wednesday | 19-03-2010 Friday | 22-03-2010 Monday | 25-03-2010 Thursday | 27-03-2010 Saturday |
|---|--|--|--|--|---------------------------------|--|---|--|---|
| C. S. E INFORMATION TECHNOLOGY - 40 | Advanced Data Structures and Algorithms | Scalable Parallel Computing Architectures | Distributed Operating Systems | Data Mining and Knowledge Discovery | Code Optimization | Secured Database Application Development | ---- | ---- | ---- |
| C. S. E NEURAL NETWORKS - 69 | Data Structures and Algorithm Analysis | Artificial Neural Networks | Computer Organization and Architecture | Database Management Systems | Operating Systems | Artificial Intelligence and Soft Computing | ---- | ---- | ---- |
| C. S. E SOFTWARE ENGINEERING - 25 | Advanced Data Structures and Algorithms | ERP & Supply Chain Management | Software Quality Assurance & Testing | Software Requirement & Estimation | Mobile Computing | <u>Elective – I</u> Business Process Modeling Web-Technologies | ---- | ---- | ---- |
| E.C.E DECS - 38 | <u>Elective – I</u> Advanced Digital Signal Processing | VLSI Technology and Design | Digital Data Communication | <u>Elective – II</u> Embedded & Real Time Systems Coding Theory & Practice | Digital System Design | Detection & Estimation of Signals | <u>Elective – I</u> Transform Techniques | ---- | ----- |
| E.C.E DIGITAL IMAGE PROCESSING - 63 | Advanced Digital Signal Processing | <u>Elective –II</u> VLSI Technology and Design | <u>Elective – I</u> Digital Data Communications Embedded Software Design | Coding Theory and Practice | Image Processing | <u>Elective –II</u> Networks Security and Cryptography | Transform Techniques | <u>Elective – I</u> Neural Networks and Applications | <u>Elective –II</u> Hardware Software Co- Desig |

M.TECH. I SEM. (09)

| BRANCHE S/ SPECIALIZA TIONS | 08-03-2010 Monday | 10-03-2010 Wednesday | 12-03-2010 Friday | 15-03-2010 Monday | 17-03-2010 Wednesday | 19-03-2010 Friday | 22-03-2010 Monday | 25-03-2010 Thursday | 27-03-2010 Saturday |
|--------------------------------------|--|----------------------------------|--|--|----------------------------------|---|--|--|--|
| E.C.E DSCE - 06 | ---- | VLSI Technology and Design | <u>Elective – I</u> Digital Data Communications Neural Networks and Fuzzy Systems | <u>Elective – II</u> Embedded & Real Time Systems | Digital System Design | <u>Elective – II</u> Networks Security and Cryptography | Advanced Computer Architecture | ---- | Advanced Operating System |
| E.C.E ECE -70 | <u>Elective – I</u> Advanced Digital Signal Processing | VLSI Technology and Design | Digital Data Communications | <u>Elective – II</u> Embedded & Real Time Systems Coding Theory and Practice | Statistical Signal Processing | Detection & Estimation of Signals | <u>Elective – I</u> Transform Techniques | ---- | ---- |
| E.C.E ES -55 | Embedded Systems Concepts | VLSI Technology and Design | <u>Elective – I</u> Embedded Software Design | <u>Elective – II</u> Embedded & Real Time Systems | ----- | <u>Elective – I</u> VHDL Modeling of Digital Systems | Embedded Systems Design | Analog and Digital IC Design | <u>Elective – II</u> Hardware Software Co- Design |
| E.C.E SSP -45 | <u>Elective – I</u> Advanced Digital Signal Processing | VLSI Technology and Design | Digital Data Communication | Coding Theory and Practice | Statistical Signal Processing | <u>Elective – II</u> Image and Video Processing | <u>Elective – I</u> Transform Techniques | <u>Elective – II</u> Neural Networks and Applications | ---- |

M.TECH. I SEM. (09)

| BRANCHES/ SPECIALIZATIONS | 08-03-2010 Monday | 10-03-2010 Wednesday | 12-03-2010 Friday | 15-03-2010 Monday | 17-03-2010 Wednesday | 19-03-2010 Friday | 22-03-2010 Monday | 25-03-2010 Thursday | 27-03-2010 Saturday |
|---|---|---|---|---------------------------------------|--|---|---|------------------------------------|---|
| E.C.E VLSI & ES - 68 | Embedded Systems Concepts | VLSI Technology and Design | <u>Elective – I</u> Embedded Software Design | ---- | <u>Elective – I</u> Digital System Design | <u>Elective – II</u> VHDL Modeling of Digital Systems | Embedded Systems Design | Analog and Digital IC Design | <u>Elective – II</u> Hardware Software Co-Design |
| E.C.E VLSID & VLSD/VLSI | Embedded Systems Concepts | VLSI Technology and Design | <u>Elective – I</u> Digital Data Communication s | ---- | Digital System Design | <u>Elective – I</u> VHDL Modeling of Digital Systems | <u>Elective – II</u> Electronic Design Automation Tools Embedded Systems Design | Analog and Digital IC Design | ---- |
| E.E.E POWER ELECTRONICS 43 | Electrical Machine Modeling and Analysis | Analysis of Power Electronic Converters | Power Electronic Control of DC Drives | Microcontrol ler & Applications | <u>Elective – I</u> Modern Control Theory Power Semiconductor Devices & Protection | <u>Elective – II</u> Special Machines and Controls Renewable Energy Sources | ---- | ---- | ---- |
| E.E.E POWER ELECTRONICS AND DRIVES | Electrical Machine Modeling and Analysis | Analysis of Power Electronic Converters | Power Electronic Control of DC Drives | Microcontrol ler & Applications | <u>Elective – I</u> Modern Control Theory Power Semiconductor Devices & Protection | <u>Elective – II</u> Special Machines and Controls Renewable Energy Sources | ---- | ---- | ---- |
| E.E.E POWER ELECTRONICS AND ELECTRIC DRIVES 54 | Electrical Machine Modeling and Analysis | Analysis of Power Electronic Converters | Power Electronic Control of DC Drives | Microcontrol ler & Applications | <u>Elective – I</u> Modern Control Theory Power Semiconductor Devices & Protection | <u>Elective – II</u> Special Machines and Controls Renewable Energy Sources | ---- | ---- | ---- |

M.TECH. I SEM. (09)

| BRANCHES/ SPECIALIZATIONS | 08-03-2010 Monday | 10-03-2010 Wednesday | 12-03-2010 Friday | 15-03-2010 Monday | 17-03-2010 Wednesday | 19-03-2010 Friday | 22-03-2010 Monday | 25-03-2010 Thursday | 27-03-2010 Saturday |
|---|---|---|---|--|--|---|--|------------------------|--|
| E.E.E POWER AND INDUSTRIAL DRIVES - 42 | Electrical Machine Modeling and Analysis | Analysis of Power Electronic Converters | Power Electronic Control of DC Drives | Microcontrolle r & Applications | <u>Elective – I</u> Modern Control Theory Power Semiconductor Devices & Protection | <u>Elective – II</u> Special Machines and Controls Renewable Energy Sources | ---- | ---- | ---- |
| E.E.E POWER SYSTEMS WITH EMPHASIS ON HV ENGG. | ---- | High Voltage Power Apparatus and Diagnostics | ---- | <u>Elective – II</u> Reactive Power Compensation & Management | <u>Elective – I</u> High Voltage Systems Using EMTP Analysis | Dielectric and Insulation Engineering | Generation and Measurement of High Voltages | HVDC Transmissions | <u>Elective – II</u> Microprocessors & Microcontrollers |
| E.E.E POWER SYSTEMS 56 | ---- | Power System Operation and Control | <u>Elective – I</u> Electrical Distribution System | Reactive Power Compensation & Management | <u>Elective – II</u> AI Techniques Power System Security | ----- | <u>Elective – I</u> EHVAC Transmissions Power Quality | HVDC Transmissions | Microprocessors & Microcontrollers |
| E.E.E P.S.CONTROL AND AUTOMATION 53 | ---- | Power System Operation and Control | <u>Elective – I</u> Electrical Distribution System | Reactive Power Compensation & Management | <u>Elective – II</u> A I Techniques Power System Security | ----- | <u>Elective – I</u> EHVAC Transmissions Power Quality | HVDC Transmissions | Microprocessors & Microcontrollers |

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.
(iii) THE PRINCIPALS ARE REQUESTED TO INFORM THE UNIVERSITY ANY OTHER SUBSTITUTE SUBJECTS THAT ARE NOT INCLUDED IN THE ABOVE LIST IMMEDIATELY

DATE: 22-02-2010


Director of Evaluation