

**G.H. RAISONI COLLEGE OF ENGINEERING, NAGPUR-16.**  
(An Autonomous Institution under UGC Act 1956)

**M. TECH. / M.E. FIRST SEMESTER EXAMINATION (Autonomous) OF WINTER 2010**  
=: PROGRAMME (WRITTEN):=  
TIME :-10.00 A.M. To 1.00. P.M.

| Day Date               | Environmental Engineering                  | VLSI                               | CAD / CAM                         | Integrated Power System    | Computer Science Engineering)          | Heat Power Engineering     | Wireless Comm. & Comp.           | Embedded System & Comp.                    | Electronics Engineering            |
|------------------------|--|------------------------------------|-----------------------------------|----------------------------|--|----------------------------|----------------------------------|--|------------------------------------|
| 25.11.2010<br>Thursday | Computational Methods                      | VLSI Sub-System Design             | Data Structures and Algorithms    | Advanced Power Electronics | High Performance Computer Architecture | Heat Transfer-I            | Wireless Communication Networks  | High Performance Computer Architecture     | Data Communication                 |
| 27.11.2010<br>Saturday | Environmental Chemistry & Microbiology     | Modeling of Digital System-I       | Computer Integrated Manufacturing | Advanced Control Theory    | Distributed operating System           | Advanced thermodynamics    | Signaling and Communication      | Embedded System Concepts                   | VLSI Circuits                      |
| 29.11.2010<br>Monday   | Water Supply & Waste Water Collection      | Switching Theory and Automata      | CNC & Robotics                    | HVDC Transmission systems  | Soft Computing                         | Thermal Engineering-I      | Algorithms for wireless Networks | Soft Computing                             | Soft Computing & Applications      |
| 1.12.2010<br>Wednesday | Municipal & Industrial Water Treatment     | Advanced Digital Signal Processing | Computer Graphic for CAD / CAM    | Switchgear and Protection  | Network Security and Cryptography      | Advanced Energy Technology | Distributed Computing            | Microcontroller for Embedded System Design | Advanced Digital Signal Processing |
| 3.12.2010<br>Friday    | Municipal Waste Water Treatment & Disposal | Embedded System-I                  | <u>Elective-I #</u>               | Power System Modelling     | <u>Elective-I \$</u>                   | Computer Aided Design      | <u>Elective-I *</u>              | <u>Elective-I @</u>                        | Embedded System-I                  |

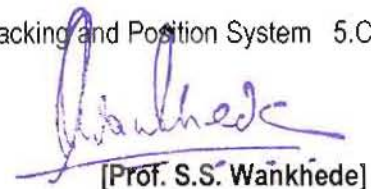
# Elective-I 1. Material Engg. 2. Image Processing 3. Engg. Management 4. Total Quality System & Engg

\$ Elective-I 1. Pervasive Computing 2. Artificial Intelligence and Expert Systems 3. Signaling and Communication

\* Elective-I \* 1. Soft. Computing 2. Satellite Communication 3. Networking Protocol

@ Elective-I @ 1. VLSI Technology and Design 2. Modelling of Digital System 3. Digital Integration Circuit Design 4. Global Tracking and Position System 5. CPLD and FPGA Architecture and Application

Nagpur  
Dated: 27/9/2010

  
[Prof. S.S. Wankhede]

Controller of Examinations  
G.H. Raison College of Engineering, Nagpur

**G RAISONI COLLEGE OF ENGINEERING, GPUR-16.**

(An Autonomous Institution under UGC Act 1956)

**M. TECH. / M. E. FIRST SEMESTER EXAMINATION (RTMNU) OF WINTER 2010**

=: PROGRAMME (WRITTEN):=

**TIME :-10.00 A.M. To 1.00. P.M.**

| Day / Date             | ENVIRONMENTAL ENGINEERING                  | VLSI                               | CAD / CAM                      | Integrated Power System    | Computer Science Engineering)          | Heat Power Engineering     | Wireless Comm. & Comp.          | Embedded System & Comp.                    | Electronics Engineering (New Course) (Full Time) |
|------------------------|--|------------------------------------|--------------------------------|----------------------------|--|----------------------------|---------------------------------|--|--|
| 25.11.2010<br>Thursday | Computational Methods                      | VLSI Sub-System Design             | Data Structures and Algorithms | Advanced Power Electronics | High Performance Computer Architecture | Heat Transfer-I            | Wireless Communication Networks | Advanced Computer Architecture             | Digital Communication                            |
| 27.11.2010<br>Saturday | Environmental Chemistry & Microbiology     | Modeling of Digital System-I       | CIM                            | Advanced Control Theory    | Advanced in operating System Design    | Advanced thermodynamics    | TCP/IP & Internet               | Embedded System Concepts                   | VLSI Circuits                                    |
| 29.11.2010<br>Monday   | Water Supply & Waste Water Collection      | Switching Theory and Automata      | <u>Elective-I</u> !            | HVDC Power Transmission    | Object Oriented System                 | Thermal Engineering-I      | <u>Elective-I</u> #             | <u>Elective-I</u> \$                       | Fuzzy Logic Neural Networks                      |
| 1.12.2010<br>Wednesday | Municipal & Industrial Water Treatment     | Advanced Digital Signal Processing | Computer Graphic for CAD / CAM | Switchgear and Protection  | <u>Elective-I</u> @                    | Advanced Energy Technology | Digital Signal Processing       | Microcontroller for Embedded System Design | Advanced Digital Signal Processing               |
| 3.12.2010<br>Friday    | Municipal Waste Water Treatment & Disposal | Embedded System-I                  | CNC & Robotics                 | Power System Modelling     | <u>Elective-II</u> %                   | Computer Aided Design      | <u>Elective-II</u> ^            | <u>Elective-II</u> *                       | Programming & Data Structures                    |

! Elective-I 1. Material Engineering 2. Image Processing 3. Engg. Management 4. Total Quality System & Engg

@ Elective-I 1. A1 & Expert System Design 2. Data Warehousing & Raining

# Elective-I i) Object Oriented System ii) Distributed Computing iii) Multimedia Communication

\$ Elective-I i) Object Oriented Systems ii) Function / Arch. Optim. & Co-des. Of Embedded System ii) CPLD and FPGA Arch. and applications.

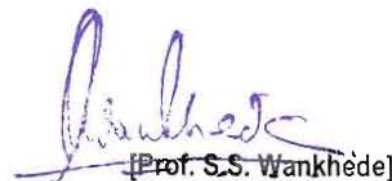
% Elective-II % 1. Neural network & fuzzy System 2. Real Time System 3. Mobile Computing

^ Elective-II i) Soft. Computing ii) Design & Modeling of Mobile Protocols iii) Mobile & Adaptive Systems.

\* Elective-II i) Soft. Computing ii) Mobile Computing iii) System Modeling & Simulation

Nagpur

Dated: 27/9/2010

  
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|                       | Environmental Engineering                   | VLSI  | CAD / CAM   | Integrated Power System                 | Computer Science Engineering  | Heat Power Engineering   | Wireless Comm. & Comp.  | Embedded System & Comp.  | Electronics Engineering (New Course)(Full Time)  |
|-----------------------|---|---|---|---|---|--|---|--|--|
| 26.11.2010<br>Friday  | Industrial Waste Water Treatment & Disposal | Analog VLSI Design  | Artificial Intelligence   | Processor Applications to Power System  | Advances in Algorithm   | Fluid Dynamics   | Advances In Algorithms  | Advances In Algorithms   | Digital System Design  |
| 28.11.2010<br>Sunday  | Environment management                      | Modelling of Digital System-II  | Modeling and Simulation   | Advanced Electrical Drives and Controls | TCP/IP & Internet   | Heat Transfer-II   | Network Security & Cryptography   | <u>Elective-IV</u><br>i) TCP/IP & Internet<br>ii) Satellite Communication<br>iii) Network Security & Cryptography                                    | Digital Image Processing   |
| 30.11.2010<br>Tuesday | Air Quality management                      | VLSI Signal Processing  | Product Data management   | Special Topics in Power System          | Advanced Digital Image Processing   | Refrigeration & Air Conditioning Technologies  | Real Time-Time Operating System for Embedded System   | Real Time-Time Operating System for Embedded System  | Data Communication   |
| 2.12.2010<br>Thursday | Municipal Solid Waste Management            | Digital Image Processing  | FEM   | Energy System Management                | <u>Elective-I</u><br>1. Dist. Systems<br>2. Software Engg.<br>3. Pattern Recognition                  | Thermal Engineering-II   | <u>Elective-III</u><br>i) DSP Processors & Architecture<br>ii) Signal Processing & Smart Antennas for Wireless Communication<br>iii) Principles of Embedded Network System Design | <u>Elective-III</u><br>i) Wireless Communication & Networks<br>ii) Intelligent Embedded System.<br>iii) Principles of Embedded Network System Design | Microcontroller & Their Application  |
| 4.12.2010<br>Saturday | <u>Elective-I</u>                           | <u>Elective-I</u><br>1. Adv. Com. Architecture<br>2. Low Power VLSI Design<br>3. Embedded System II | <u>Elective-II</u><br>1. Mechatronics<br>2. Computers Aided Tool Design<br>3. Plastics & Composites<br>4. CFD |   | <u>Elective-IV</u><br>1. Embedded Sys.<br>2. Cryptography & Network Security<br>3. multimedia Systems | <u>Elective-I</u><br>*1. Energy Conservation & Management.<br>2. Advance Cryogenics Systems. | <u>Elective-IV</u><br>i) Embedded Software Design<br>ii) Satellite Communication<br>iii) Digital Image Processing   | Embedded Software Design   | <u>Elective-I</u><br>i) Pattern Recognition<br>ii) Analog VLSI Design<br>iii) Computer Graphic |

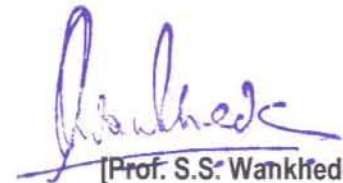
## M. TECH. / M. E. THIRD SEMESTER EXAMINATIN OF WINTER 2010

=: PROGRAMME (WRITTEN):=

TIME :-2.00 P.M. To 5.00. P.M.

| Day Date               | VLSI   | CAD / CAM                                       | Integrated Power System | Heat Power Engineering   | Environmental Engineering   | Wireless Comm. & Comp            | Embedded System & Comp.                   | Electronics Engineering  |
|------------------------|--|---|-------------------------|--|---|----------------------------------|---|--|
| 25.11.2010<br>Thursday | VLSI Testing   | Manufacturing System Integration and Management | Power System Stability  | Thermal Storage System   | <u>Elective-II</u><br>1. Environmental System Optimization<br>2.Rural Water Supply & Sanitation | Mobile Computing                 | Designing Embedded Communication Software | Parallel Processing and Algorithms   |
| 29.11.2010<br>Monday   | <u>Elective-II</u><br>1.Mixed Signal Processing<br>2.Computer Communication Network<br>3.Computer Graphics | Product Design and Development                  | Power System Planning   | <u>Elective-II</u><br>1. Design of Heat Exchangers<br>2. Design of I.C. Engine Components and Sub System | -----   | AD HOC Wireless Network Networks | Distributed Embedded Systems & Computing  | <u>Elective-II</u><br>1. Programmable Devices & Testing.<br>2. IP Core & RTOS<br>3. Mobile Communication |

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