| III Sem | |
|---|---|
| **subjects** | **credits** |
| ENGINEERING MATHEMATICS III | 4 |
| Analog Electronics | 4 |
| DIGITAL ELECTRONICS | 4 |
| Network Analysis | 4 |
| Electronic Instrumentation | 4 |
| Engineering Electromagnetics | 4 |
| Analog Electronics Lab | 2 |
| Digital Electronics Lab | 2 |
| **IV Sem** | |
| **subjects** | **credits** |
| ENGINEERING MATHEMATICS IV | 4 |
| Microprocessor | 4 |
| Control Systems | 4 |
| Signals and Systems | 4 |
| Principles of Communication Systems | 4 |
| Linear Integrated Circuits | 4 |
| Linear ICs and Communication Lab | 2 |
| Microprocessor Lab | 2 |
| **V Sem** | |
| **subjects** | **credits** |
| Management and Entrepreneurship Development | 4 |
| Digital Signal Processing | 4 |
| Verilog HDL | 4 |
| Information Theory & Coding | 4 |
| DSP Lab | 2 |
| HDL Lab | 2 |
| **Elective subjects** | **credits** |
| Nanoelectronics | 3 |
| Switching & Finite Automata Theory | 3 |
| Operating System | 3 |
| Electrical Engineering Materials | 3 |
| MSP430 Microcontroller | 3 |
| Automotive Electronics | 3 |
| Object Oriented Programming Using C++ | 3 |
| 8051 Microcontroller | 3 |

| VI Sem | |
|---|---|
| **subjects** | **credits** |
| Digital Communication | 4 |
| ARM Microcontroller & Embedded Systems | 4 |
| VLSI Design | 4 |
| Computer Communication Networks | 4 |
| Embedded Controller Lab | 2 |
| Computer Networks Lab | 2 |
| **Elective subjects** | **credits** |
| Cellular Mobile Communication | 3 |
| Adaptive Signal Processing | 3 |
| Artificial Neural Networks | 3 |
| Digital Switching Systems | 3 |
| Microelectronics | 3 |
| Data Structures Using C++ | 3 |
| Power Electronics | 3 |
| Digital System Design using Verilog | 3 |
| **VII SEM** | |
| **subjects** | **credits** |
| Computer Communication Networks | 4 |
| Optical Fiber Communication | 4 |
| Power Electronics | 4 |
| Embedded System Design | 4 |
| VLSI LAB | 2 |
| POWER ELECTRONICS LAB | 2 |
| **Elective subjects** | **credits** |
| Applied Embedded System Design | 4 |
| Artificial Neural Network | 4 |
| CAD for VLSI | 4 |
| DSP Algorithms and Architecture | 4 |
| Image Processing | 4 |
| Micro and Smart Systems Technology | 4 |
| Modeling and Simulation of Data Networks | 4 |
| Programming in C plus plus | 4 |
| Radio Frequency Integrated Circuits | 4 |
| Real Time Systems | 4 |
| Speech Processing | 4 |

| | |
|---|---|
| Wavelet Transforms | 4 |
| **VIII Sem** | |
| **subjects** | **credits** |
| Wireless Communication | 4 |
| Digital Switching Systems | 4 |
| Project Work | 2 |
| Seminar | 2 |
| **Elective subjects** | **credits** |
| Adhoc Wireless Networks | 4 |
| Distributed Systems | 4 |
| GSM | 4 |
| High Performance Computing Networks | 4 |
| Internet Engineering | 4 |
| Multimedia Communication | 4 |
| Network Security | 4 |
| Optical Computing | 4 |
| Optical Networks | 4 |
| Real Time Operating Systems | 4 |