

Electronics Specialisation

SEMESTER - 4

SUBJECTS	Minor -1 Marks	Mid - Exams	Minor - 2 Marks	End - Exams
Structured Digital System Design	10	30	10	50
Microprocessors and Interfacing	10	30	10	50
Communication Systems	10	30	10	50
Elective - I	10	30	10	50
Elective - II	10	30	10	50
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Elective – I and II (for Electronics Specialization)

1. Data Acquisition Systems

2. Data Converters and Data Loggers

3. High Speed Data Converters

4. Pulse Circuits

5. Lasers and Applications

6. Signal Conditioning Circuits

SEMESTER - 5

SUBJECTS	Minor -1 Marks	Mid - Exams	Minor - 2 Marks	End - Exams
Digital Signal Processing	10	30	10	50
Microcontrollers and Embedded Systems	10	30	10	50
Elective - III	10	30	10	50
Elective - IV	10	30	10	50
Elective - V	10	30	10	50
Elective - VI	10	30	10	50

Electives III, IV, V and VI (for Electronics Specialization)

1. Digital Communication

2. Electronic Instrumentation

3. Fiber Optic Communication

4. Medical Instrumentation

5. Solar Energy Systems

6. Display Technologies

7. Telemetry and Tele-command

8. Designing with FPGA/CPLDs

9. VLSI Design

10. Data Communication

11. Satellite Communication

12. Silicon Photonics