

SEMESTER I

Subject Name	Subject Type	Subject Code	Subject Credit
Digital VLSI Design	Core	3EC1111	4
Semiconductor device physics and Modeling	Core	3EC1112	4
Advanced Digital system design using Programmable logic	Core	3EC1113	4
Data Interfaces and Protocol	Core	3EC1114	4
Mini Project I	Core	3EC1115	2
Analog Mixed Signal Design	Core	3EC1116	4
Memory Design	Core	3EC1117	4
Introduction to MEMS Design	Core	3EC1118	4

SEMESTER II

Subject Name	Subject Type	Subject Code	Subject Credit
VLSI Design for Test	Elective	3EC2118	4
Automation in VLSI design	Core	3EC2111	4
IC Fabrication Technology	Core	3EC2112	4
Advance VLSI design	Core	3EC2113	4
Low Power VLSI Design	Core	3EC2114	4
Mini Project-II	Core	3EC2115	2
VLSI Design Testing and Verification	Elective	3EC2116	4
VLSI Physical Design	Elective	3EC2117	4

**SEMESTER
III**

Subject Name	Subject Type	Subject Code	Subject Credit
Dissertation Part-I	Core	3EC3111	14

**SEMESTER
IV**

Subject Name	Subject Type	Subject Code	Subject Credit
Dissertation Part-II	Core	3EC4111	14

