MTech - VLSI Design

Semester I

Course Code	Course Name
3EC1117	Digital VLSI Design
3EC1118	Analog and Mixed Signal Design
3EC1119	Semiconductor Device Physics and Modeling
3EC1120	Advanced Digital System Design using Programmable Logic
3EC1121	VLSI Physical Design

Semester II

Course Code	Course Name
3SS1201	Research Methodology and IPR
3EC1223	VLSI Design Testing and verification
3EC1224	Minor project
3EC12D101	VLSI Signal Processing
3EC12D102	Advanced topic in VLSI testing and verification
3EC12D103	Characterization of Semiconductor Material and Devices
3EC12D104	CMOS RF Circuit Design
3EC12D105	Advanced Topics in VLSI Design
3EC12D201	IC Fabrication Technology
3EC12D202	Advanced Processor Architecture
3EC12D203	Deep SubMicron CMOS IC
3EC12D204	VLSI System on Chip
3EC12D301	Low Power VLSI Design
3EC12D302	Memory Technology
3EC12D303	Reconfigurable Computing
3EC12D304	MEMS Design

Semester III

Course Code	Course Name
3EC1307	Major Project Part I
3SP1302	3SP1302 Summer Internship (Value added course)

Semester IV

Course Code	Course Name
3EC1405	Major Project Part II