

Curriculum Details - EC (VLSI AND EMBEDDED SYSTEMS)

Semesters	Slots	Courses	Tutorial Hours	Lecture Hours	Practical Hours	Total Hours	Credits
S1	A	CMOS DIGITAL DESIGN	0	4	0	4	4.00
	B	ANALOG INTEGRATED CIRCUIT DESIGN - 1	0	4	0	4	4.00
	C	ADVANCED MICROCONTROLLERS & REALTIME OS	0	4	0	4	4.00
	D	EMBEDDED SYSTEM DESIGN	0	3	0	3	3.00
	E	VLSI TECHNOLOGY	0	3	0	3	3.00
		ADVANCED DIGITAL SYSTEM DESIGN	0	3	0	3	3.00
		DSP ALGORITHMS & PROCESSORS	0	3	0	3	3.00
	F	RESEARCH METHODOLOGY	2	0	0	2	2.00
	S	SEMINAR I	0	0	2	2	2.00
U	VLSI& EMBEDDED SYSTEMS DESIGN LAB I	0	0	3	3	1.00	
S2	A	ANALOG INTEGRATED CIRCUIT DESIGN 2	0	4	0	4	4.00
	B	EMBEDDED PRODUCT DESIGN	0	3	0	3	3.00
	C	VLSI DESIGN AUTOMATION	0	3	0	3	3.00

	D	SYSTEM ON CHIP DESIGN	0	3	0	3	3.00
		FPGA ARCHITECTURE AND APPLICATIONS	0	3	0	3	3.00
		VLSI ARCHITECTURES FOR DSP	0	3	0	3	3.00
	E	EMBEDDED LINUX SYSTEMS	0	3	0	3	3.00
		MODELING OF EMBEDDED SYSTEMS	0	3	0	3	3.00
		MOBILE HANDSET ARCHITECTURE	0	3	0	3	3.00
		F	MINI PROJECT	0	0	4	4
U	VLSI AND EMBEDDED SYSTEMS DESIGN LAB II	0	0	3	3	1.00	
S3	A	HIGH SPEED DIGITAL DESIGN	0	3	0	3	3.00
		MEMS & MICRO SYSTEM DESIGN	0	3	0	3	3.00
		DSP ARCHITECTURE AND DESIGN	0	3	0	3	3.00
	B	LOW POWER DIGITAL DESIGN	0	3	0	3	3.00
		VLSI SYSTEM TESTING	0	3	0	3	3.00
		MEMORY DESIGN & TESTING	0	3	0	3	3.00
	F1	PROJECT(PHASE 1)	0	0	12	12	6.00
	S	SEMINAR II	0	0	2	2	2.00

S4	F2	Project(Phase II)	0	0	21	21	12.00
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