

M.TECH. I(EC), SEMESTER I(Specialization:VLSI & Embedded Systems)

Sr. No.	Name of Subjects	Course Code	Credits			Teaching Scheme	Examination			
			Theory	Tut.	Prac.		Scheme(Marks)			
L	T	P	Theory	Tut.	Prac.	TOTAL				
1.	Digital VLSI Design	EC609	03	3	0	0	100	-	-	100
2.	MOS Devices & Technology 100	EC611	03	3	0	0	100	-	-	
3.	Embedded System	EC613	03	3	0	0	100	-	-	100
4.	VLSI Laboratory-I	EC615	04	0	0	8	-	-	100	100
5.	Elective - I	EC6XX	03	3	0	0	100	-	-	100
6.	Elective - II	EC6XX	03	3	0	0	100	-	-	100
TOTAL										
19	15	00	08	500	-	100	600			

Total Credits:19, Contact Hours Per Week: 23

M.TECH. I(EC), SEMESTER II (Specialization:VLSI && Embedded Systems)

Sr. No.	Name of Subjects	Course Code	Credits			Teaching Scheme	Examination			
			Theory	Tut.	Prac.		Scheme(Marks)			
L	T	P	Theory	Tut.	Prac.	TOTAL				
1.	Analog VLSI Design	EC612	03	3	0	0	100	-	-	100
2.	Real Time Systems	EC614	03	3	0	0	100	-	-	100
3.	VLSI Laboratory-II	EC616	04	0	0	8	-	-	100	100
4.	Elective - III	EC6XX	03	3	0	0	100	-	-	100
5.	Elective - IV	EC6XX	03	3	0	0	100	-	-	100
6.	Elective - V	EC6XX	03	3	0	0	100	-	-	100
TOTAL										
19	15	00	08	500	-	100	600			

Total Credits:19, Contact Hours Per Week: 23

LIST OF SUBJECTS FOR ELECTIVE I & II:

(01) RF Circuits & Systems EC601



1.	Dissertation Preliminaries	EC805	08	0	0	16	0
2.	Seminar	EC807	02	0	0	04	0
TOTAL			10	0	0	20	0

*Total Credits:10, Contact Hours Per Week: 20*

M.TECH. II(EC), SEMESTER IV (Specialization:VLSI & Embedded Systems)

Sr. No.	Name of Subjects	Course Code	Credits	Teaching Scheme			Examina
				L	T	P	Theory
1.	Dissertation	EC804	12	0	0	24	0
TOTAL			12	0	0	24	0

*Total Credits:12, Contact Hours Per Week: 24*

(\*) TOTAL CREDITS = 19(SEM1) + 19(SEM2) + 10(SEM3) + 12(SEM4) = 60

(\*) TOTAL MARKS = 600(SEM1) + 600(SEM2) + 500(SEM3) + 400(SEM4) = 2100