

Model Plan-Semester Wise (M. Tech Programme in ECE)

Semester-I

Sl. No.	Course Title	Code	Contact Hour			Credit	Remarks
			L	T	P		
1.	Advanced Engineering Mathematics	MA 551	3	0	0	3	
2.	Physics of Semiconductor	EC 501	3	0	0	3	
3.	Electronic System Design	EC 502	3	0	2	4	
4.	Elective-I	EC xxx	3	0	2	4	
5.	Elective-II	EC xxx	3	0	2	4	
			15	0	6		
			21			18	

Elective-I & II

EC 510	Data & Computer Communication Networks	EC 513	Advanced Microprocessor & Microcontrollers
EC 511	Wireless & Mobile Communication	EC 514	Advanced Digital Communication
EC 512	VLSI Circuits & Systems	EC 515	Fabrication Technology

Semester-II

Sl. No.	Course Title	Course No.	Contact Hour			Credit	Remarks
			L	T	P		
1.	Advanced Digital Signal Processing	EC 503	3	0	2	4	
2.	Elective-III	EC xxx	3	0	2	4	
3.	Elective-IV	EC xxx	3	0	2	4	
4.	Elective-V	EC xxx	3	0	0	3	
5.	Seminar-I	EC 550	0	0	2	1	
6.	Minor Project	EC 551	0	0	4	2	
			12	0	12		
			24			18	

Elective-III & IV

		EC 522	RF-IC Design
EC 516	VLSI Physical Design	EC 523	Digital IC Design
EC 517	Optical Communication systems	<i>Elective-V</i>	
EC 518	Digital System Design	EC 524	Semiconductor IC Technology
EC 519	RF & Microwave Engineering	EC 526	Securities in Communication network
EC 520	Mixed Signal Design	EC 527	Computer Arithmetic
EC 521	Low Power VLSI Design	EC 528	CAD for VLSI Design
Plus Any course of appropriate level offered in the Institute and recommended by the respective DAC			

Semester-III

Sl. No.	Course Title	Course No.	Contact Hour			Credit	Remarks
			L	T	P		
1.	Term Paper	EC 601	0	0	4	2	
2.	Seminar-II	EC 650	0	0	4	2	
3.	Project - I	EC 651	0	0	16	8	
			0	0	24		
			24			12	

Semester-IV

Sl. No.	Course Title	Course No.	Contact Hour			Credit	Remarks
			L	T	P		
3.	Project - II	EC 652	0	0	24	12	
			0	0	24		
			24			12	