

Semester wise Plan (Subject to minor changes)

Year & Sem	Course Code	Course Name	Full Sem / Half Sem	Lectures(L), Tutorial(T), Practical(P) Hours per week			Credits (C)								
				L	T	P	Ins Core	Prog Core	Prog Elec	Maths	Science	Hum	Open Elec	Hons	
I-I	Monsoon														
	EC5.101	Networks, Signals and Systems	Full	3	1	0	-	4	-	-	-	-	-	-	
	MA4.101	Real Analysis	Full	3	1	0	-	-	-	4	-	-	-	-	
	EC2.101	Digital Systems and Microcontrollers (DSM)	Full	3	1	3	-	5	-	-	-	-	-	-	
	CS0.101	Computer Programming	Full	3	1	3	-	5	-	-	-	-	-	-	
	EC2.102	Electronic Workshop-1	Half	0	1	3	-	2	-	-	-	-	-	-	
	OC2.101	Arts-1	Half	0	2	2	2	-	-	-	-	-	-	-	
	OC1.101	Sports-1	Full	0	0	2	1	-	-	-	-	-	-	-	
	OC3.101	Value Education-1	Full	2	1	0	2	-	-	-	-	-	-	-	
	Sub Total			14	8	13	5	16	0	4	0	0	0	0	
	Total			25											
I-II	Spring														
	CS1.201	Data Structures and Algorithms	Full	3	1	3	-	5	-	-	-	-	-	-	
	MA2.101	Linear Algebra	Full	3	1	0	-	-	-	4	-	-	-	-	
	EC2.103	Analog Electronic Circuits	Full	3	1	3	-	5	-	-	-	-	-	-	
	EC5.102	Information and Communication	Full	3	1	0	-	4	-	-	-	-	-	-	
	CS1.102	Sports-2	Full	0	0	2	1	-	-	-	-	-	-	-	
	CS2.102	Arts-2	Full	0	2	2	2	-	-	-	-	-	-	-	
	Sub Total			12	6	10	3	14	0	4	0	0	0	0	
	Total			21											
	II-I	Monsoon													
		MA6.102	Probability and Random Processes	Full	3	1	0	-	-	-	4	-	-	-	-
EC5.201		Signal Processing	Full	3	1	3	-	5	-	-	-	-	-	-	
EC5.202		Systems Thinking (Commn, bio, neuro)	Full	3	1	0	-	4	-	-	-	-	-	-	
EC6.201		VLSI Design	Full	3	1	0	-	4	-	-	-	-	-	-	
SC1.110		Science-1	Full	3	1	0	-	-	-	-	4	-	-	-	
CS1.103		Sports-3	Full	0	0	2	1	-	-	-	-	-	-	-	
Sub Total			15	5	5	1	13	0	4	4	0	0	0		
Total			22												
II-II	Spring														
	EC5.203	Communication Theory	Full	3	1	0	-	4	-	-	-	-	-	-	
	EC2.202	Stream Foundation-1	Full	3	1	0	-	-	4	-	-	-	-	-	
		Electronic Workshop-2	Full	3	1	3	-	4	-	-	-	-	-	-	
	HS8.102	Intro to Human Sciences	Full	3	1	0	-	-	-	-	-	4	-	-	
	EC6.202	Intro to Processor Architecture	Half	3	1	0	-	2	-	-	-	-	-	-	
	OC1.104	Sports-4	Full	0	0	2	1	-	-	-	-	-	-	-	
	OC3.102	Value Education-2	Full	2	1	0	2	-	-	-	-	-	-	-	
	Sub Total			17	6	5	3	10	4	0	0	4	0	0	
	Total			21											
	III-I	Monsoon													
EC9.302		Stream Foundation-2	Full	3	1	0	-	-	4	-	-	-	-	-	
		Stream Elective-1	Full	3	1	0	-	-	4	-	-	-	-	-	
		Maths Elective	Full	3	1	0	-	-	-	-	-	-	4	-	
		Open Elective-1	Full	3	1	0	-	-	-	-	-	-	4	-	
		HSS Elective-1	Full	3	1	0	-	-	-	-	-	4	-	-	
		Honours-1	Full	0	2	6	-	-	-	-	-	-	-	2	
Sub Total			15	7	6	0	0	8	0	0	4	8	2		
Total			22												
III-II	Spring														
		Open Elective-2	Full	3	1	0	-	-	-	-	-	4	-	-	

Category	Credits	%
Institute Core	12	7
Programme Core	53	30
Programme Electives	32	18
Maths	16	9
Science	16	9
Humanities	20	11
Open Electives	20	11
Honours	8	5
Total	177	100