Semester wise Plan (Subject to minor changes)

Year & Sem	Course Code	Course Name	Full Sem / Half Sem	L	T	P	Ins Core	Prog Core	Prog Elec	Maths	Science	Hum	Open Elec
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	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
		Total											
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
		Total											
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
		Total											
II-II							**Spring**						
	EC5.203	Communication Theory	Full	3	1	0	-	4	-	-	-	-	-
		Stream Foundation-1	Full	3	1	0	-	-	4	-	-	-	-
	EC2.202	Electronic Workshop-2	Full	3	1	3	-	4	-	-	-	-	-
	HS8.102	Intro to Human Sciences	Full	3	1	0	-	-	-	-	-	4	-
	EC6.202	Intro to Processer 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
		Total											
III-I							**Monsoon**						
		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	-
		Sub Total		15	5	0	0	0	8	0	0	4	8
		Total											
III-II							**Spring**						
		Open Elective-2	Full	3	1	0	-	-	-	-	-	4	-
	SC1.111	Science-2	Full	3	1	0	-	-	-	-	4	-	-
		Stream Elective-2	Full	3	1	0	-	-	4	-	-	-	-
	EC9.301	B.Tech Project (BTP) - 1	Full	0	2	6	-	-	-	-	-	-	-
		HSS Elective-2	Full	3	1	0	-	-	-	4	-	-	-
		Sub Total		12	6	6	0	0	4	4	4	4	0
		Total											
IV-I							**Monsoon**						
		Stream Elective-3	Full	3	1	0	-	-	4	-	-	-	-
		Open Elective-3	Full	3	1	0	-	-	-	-	-	-	4
		Science Elective - 1	Full	3	1	0	-	-	-	-	4	-	-
	EC9.401	B.Tech Project (BTP) - 2	Full	0	2	6	-	-	-	-	-	-	-

		Type	Cr	L	T	P							
	Ethics-1	Half	3	1	0	-	-	-	-	-	2	-
	Sub Total		12	6	6	0	0	4	0	4	2	4
	Total											
IV-II	**Spring**											
	Open Elective-4	Full	3	1	0	-	-	-	-	-	-	4
	Open Elective-5	Full	3	1	0	-	-	-	-	-	-	4
	Science Elective - 2	Full	3	1	0	-	-	-	-	4	-	-
	Ethics-2	Half	3	1	0	-	-	-	-	-	2	-
	HSS Elective-3	Full	3	1	0	-	-	-	-	-	4	-
	Sub Total		15	5	0	0	0	0	0	4	6	8
	Total											

Category	Credits	%
Institute Core	12	7
Programme Core	53	33
Programme Electives	20	12
Maths	16	10
Science	16	10
Humanities	20	12
Open Electives	20	12
BTP	4	2
Honours (Optional) - 4 Credits extra	0	0
Total	**161**	**100**