

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
Monsoon														
I-I	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													
Spring														
I-II	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	-	-	-	-	-	-
	Stream Foundation-1		Full	3	1	0	-	-	4	-	-	-	-	-
	EC2.202		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													
	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	-	-
	EC9.302	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	-	-	-

SC1.111 EC9.303	Science-2	Full	3	1	0	-	-	-	4	-	-	-
	Stream Elective-2	Full	3	1	0	-	-	4	-	-	-	-
	Honours-2	Full	0	2	6	-	-	-	-	-	-	2
	HSS Elective-2	Full	3	1	0	-	-	4	-	-	-	-
	Stream Elective-3	Full	3	1	0	-	-	4	-	-	-	-
	Sub Total		15	7	6	0	0	8	4	4	4	0
	Total											22

IV-I EC9.402	Monsoon											
	Stream Elective-4	Full	3	1	0	-	-	4	-	-	-	-
	Open Elective-3	Full	3	1	0	-	-	-	-	-	4	-
	Science Elective - 1	Full	3	1	0	-	-	-	-	4	-	-
	Honours-3	Full	0	2	6	-	-	-	-	-	-	2
	Ethics-1	H	3	1	0	-	-	-	-	2	-	-
	Stream Elective-5	Full	3	1	0	-	-	4	-	-	-	-
Sub Total			15	7	6	0	0	8	0	4	2	4
Total												20

IV-II EC9.403	Spring											
	Elective-4	Full	3	1	0	-	-	-	-	-	4	-
	Elective-5	Full	3	1	0	-	-	-	-	-	4	-
	Science Elective - 2	Full	3	1	0	-	-	-	-	4	-	-
	Stream Elective-6	Full	3	1	0	-	-	4	-	-	-	-
	HSS Elective-3	Full	3	1	0	-	-	-	-	4	-	-
	Ethics-2	H	3	1	0	-	-	-	-	2	-	-
Honours-4	Full	0	2	6		-	-	-	-	-	-	2
Sub Total			18	8	6	0	0	4	0	4	6	8
Total												24

V-I EC9.605 OC9.600	Monsoon												
	Thesis					-	12	-	-	-	-	-	
	Institute Seminar - 1					1	-	-	-	-	-	-	
	Sub Total					1	12	0	0	0	0	0	
	Total											12	
V-II EC9.605 OC9.600	Spring												
	Thesis					-	12			-	-	-	
	Institute Seminar - 2					1	-	-	-	-	-	-	
	Sub Total					1	12	0	0	0	0	0	0
	Total												12

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