

Semester wise Plan (Subject to minor changes)

Year & Sem	Course Code	Course Name	Full/Half Sem	Lectures-L, Tutorial-T, Practical-P			Credits earned								
				Hours per week	Ins Core	Prog Core	Prog Elec	Maths	Science	Hum	Open Elec	Hons			
I-I	Monsoon														
	MA5.101	Discrete Structures	Full	3	1	0	-	-	-	4	-	-	-	-	
	CS0.101	Computer Programming	Full	3	1	3	-	5	-	-	-	-	-	-	
	MA4.101	Real Analysis	Full	3	1	0	-	-	-	4	-	-	-	-	
	EC2.101	Digital Systems and Microcontrollers	Full	3	1	3	-	5	-	-	-	-	-	-	
	OC2.101	Arts-1	Full	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	7	10	5	10	0	8	0	0	0	0	
Total			23												
I-II	Spring														
	MA2.101	Linear Algebra	Full	3	1	0	-	-	-	4	-	-	-	-	
	CS3.303	Introduction to IoT	Full	2	0	3	-	3	-	-	-	-	-	-	
	CS1.201	Data Structures and Algorithms	Full	3	1	3	-	5	-	-	-	-	-	-	
	CS6.201	Introduction to Software Systems	Half	1	0	3	-	2	-	-	-	-	-	-	
	CS2.201	Computer Systems Organization	Full	3	1	0	-	4	-	-	-	-	-	-	
	OC1.102	Sports-2	Full	0	0	2	1	-	-	-	-	-	-	-	
	OC2.102	Arts-2	Full	0	2	2	2	-	-	-	-	-	-	-	
	Sub Total			12	5	13	3	14	0	4	0	0	0	0	
Total			21												
II-I	Monsoon														
	MA6.101	Probability and Statistics	Full	3	1	0	-	-	-	4	-	-	-	-	
	CS4.301	Data and Applications	Half 2	3	1	0	-	2	-	-	-	-	-	-	
	CS1.302	Automata Theory	Half 1	3	1	0	-	2	-	-	-	-	-	-	
	CS1.301	Algorithm Analysis and Design	Full	3	1	0	-	4	-	-	-	-	-	-	
	CS3.301	Operating Systems and Networks	Full	3	1	0	-	4	-	-	-	-	-	-	
	SC1.110	Science -1	Full	3	1	0	-	-	-	-	4	-	-	-	
	EC3.202	Embedded Systems Workshop	Half	1	0	2	-	3	-	-	-	-	-	-	
	OC1.103	Sports-3	Full	0	0	2	1	-	-	-	-	-	-	-	
	Sub Total			19	6	4	1	15	0	4	4	0	0	0	
Total			24												
II-II	Spring														
	CSx.3nn	Theory/Foundation Breadth Elective – 1	Half	3	1	0	-	-	2	-	-	-	-	-	
	CSx.3nn	Theory/Foundation Breadth Elective – 2	Half	3	1	0	-	-	2	-	-	-	-	-	
	CSx.3nn	Theory/Foundation Breadth Elective – 3	Half	3	1	0	-	-	2	-	-	-	-	-	
	CS6.301	Design and Analysis of Software Systems	Full	3	1	0	-	4	-	-	-	-	-	-	
	CS7.301	Machine, Data and Learning	Full	3	1	0	-	4	-	-	-	-	-	-	
	SC1.111	Science 2	Full	3	1	0	-	-	-	-	4	-	-	-	
	HS8.102	Intro to Human Sciences	Full	3	1	0	-	-	-	-	-	4	-	-	
	OC1.104	Sports-4	Full	0	0	2	1	-	-	-	-	-	-	-	
	OC3.102	Value Education-2	Full	2	1	0	2	-	-	-	-	-	-	-	
	Sub Total			23	8	2	3	8	6	0	4	4	0	0	
	Total			25											
III-I	Monsoon														
		Bouquet Course – 1	Full	3	1	0	-	-	4	-	-	-	-	-	
		Science Elective – 1	Full	3	1	0	-	-	-	-	4	-	-	-	
		HS Elective-1	Full	3	1	0	-	-	-	-	-	4	-	-	
		Open Elective-1	Full	3	1	0	-	-	-	-	-	-	4	-	
	Sub Total			12	4	0	0	0	4	0	4	4	4	0	
Total			16												
III-II	Spring														
	CS9.301/CS9.303	BTP-1 / Honours-2	Full	0	2	6	-	-	-	-	-	-	-	2	
		Bouquet Course – 2	Full	3	1	0	-	-	4	-	-	-	-	-	
		Bouquet Course – 3	Full	3	1	0	-	-	4	-	-	-	-	-	
	HS Elective-2	Full	3	1	0	-	-	-	-	-	4	-	-		

[illegible]