

Semester wise Plan (Subject to minor changes)

Year & Sem	Course Code	Course Name	Full/Half Sem	Lectures-L, Tutorial-T, Practical-P Hours per week	Credits earned												
					L	T	P	Ins Core	Prog Core	Prog Elec	Maths	Science	Hum	Open Elec	Hons		
Monsoon																	
I-I	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	0	0			
Total												23					
Spring																	
I-II	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	0	0			
Total												21					
Monsoon																	
II-I	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												0					
Total												24					
Spring																	
II-II	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	-	-	-	-	-	-	-	-			
	SCI.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	4	0	0	0			
Total												25					
Monsoon																	
III-I	CS9.302	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	-	-			
		Stream Elective-1	Full	3 1 0	-	-	4	-	-	-	-	-	-	-			
		Honours-1	Full	0 2 6	-	-	-	-	-	-	-	-	-	2			
		Sub Total		15 7 6	0	0	8	0	4	4	4	4	4	2			
Total												22					
Spring																	
III-II																	

V-II	Spring									
	CS9.605	Thesis			-	12	-	-	-	-
	OC9.600	Institute Seminar - 2			1	-	-	-	-	-
		Sub Total			1	12	0	0	0	0
		Total								12