

## Electronics and Communication Engineering - 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								
				L	T	P	Ins Core	Prog Core	Prog Elec	Maths	Science	Hum	Open Elec	BTP	Hons
I-I	Monsoon														
	EC5.101	Network Signals and Systems	Full	3	1	0	-	4	-	-	-	-	-	-	-
	MA2.101	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	-	-	-	-	-	-	-
	OC1.101	Arts-1	Half	0	2	2	2	-	-	-	-	-	-	-	-
	OC2.101	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	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 (AEC)	Full	3	1	3	-	5	-	-	-	-	-	-	-
	EC5.102	Introduction to Information Systems	Full	3	1	0	-	4	-	-	-	-	-	-	-
	CS2.102	Sports-2	Full	0	0	2	1	-	-	-	-	-	-	-	-
	CS1.102	Arts-2	Full	0	2	2	2	-	-	-	-	-	-	-	-
		Sub Total		12	6	10	3	14	0	4	0	0	0	0	0
Total			21												
II-I	Monsoon														
	MA4.101	Probability and Random Process	Full	3	1	0	-	-	-	4	-	-	-	-	-
	EC5.201	Signal Processing	Full	3	1	3	-	5	-	-	-	-	-	-	-
		Systems Thinking (Commn, bio, neuro)	Full	3	1	0	-	4	-	-	-	-	-	-	-
	EC6.201	VLSI Design	Full	3	1	0	-	4	-	-	-	-	-	-	-
		Science-1	Full	3	1	0	-	-	-	-	4	-	-	-	-
	CS2.103	Sports-3	Full	0	0	2	1	-	-	-	-	-	-	-	-
		Sub Total		15	5	5	1	13	0	4	4	0	0	0	0
Total			22												

Year & Sem	Course Code	Course Name	Full Sem / Half Sem	Lectures(L), Tutorial(T), Practical(P) Hours per week			Credits								
				L	T	P	Ins Core	Prog Core	Prog Elec	Maths	Science	Hum	Open Elec	BTP	Hons
II-II	Spring														
	OC2.104 OC3.102	Communication Theory	Full	3	1	0	-	4	-	-	-	-	-	-	-
		Stream Foundation-1	Full	3	1	0	-	-	4	-	-	-	-	-	-
		Electronic Workshop-2	Full	3	1	3	-	4	-	-	-	-	-	-	-
		Intro to Human Sciences	Full	3	1	0	-	-	-	-	-	4	-	-	-
		Intro to Process Architecture	Half	3	1	0	-	2							
		Sports-4	Full	0	0	2	1	-	-	-	-	-	-	-	-
		Value Education-2	Full	2	1	0	2	-	-	-	-	-	-	-	-
		Sub Total		17	6	5	3	10	4	0	0	4	0	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	-	-
		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	0	0
Total														20	
III-II	Spring														
		Elective-2	Full	3	1	0	-	-	-	-	-	4	-	-	-
		Science-2	Full	3	1	0	-	-	-	-	4	-	-	-	-
		Stream Elective-2	Full	3	1	0	-	-	4	-	-	-	-	-	-
		B.Tech Project (BTP) - 1	Full	0	2	6	-	-	-	-	-	-	-	2	-
		HSS Elective-2	Full	3	1	0	-	-	-	4	-	-	-	-	-
		Sub Total		12	6	6	0	0	4	4	4	4	0	2	0
Total														18	

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Year & Sem	Course Code	Course Name	Full Sem / Half Sem	Lectures(L), Tutorial(T), Practical(P) Hours per week			Credits								
				L	T	P	Ins Core	Prog Core	Prog Elec	Maths	Science	Hum	Open Elec	BTP	Hons
IV-I	Monsoon														
		Stream Elective-3	Full	3	1	0	-	-	4	-	-	-	-	-	-
		Elective-3	Full	3	1	0	-	-	-	-	-	-	4	-	-
		Science Elective - 1	Full	3	1	0	-	-	-	-	4	-	-	-	-
		B.Tech Project (BTP) - 2	Full	0	2	6	-	-	-	-	-	-	-	2	-
		Ethics-1	Half	3	1	0	-	-	-	-	-	2	-	-	-
		Sub Total		12	6	6	0	0	4	0	4	2	4	2	0
Total															16
IV-II	Spring														
		Elective-4	Full	3	1	0	-	-	-	-	-	-	4	-	-
		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	0	0
Total															18

	Total	%
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
<b>Total</b>	<b>161</b>	<b>100</b>