

Electronics and Communication Engineering

Coursebook_Jan_May_2021

S2 ECE

Cat	Code	Title	Slot	L T P	Cr
HUM	19ENG111	Technical Communication	A	2 0 3	3
SCI	19MAT111	Multivariable Calculus	B	2 0 0	2
SCI	19MAT112	Linear Algebra	C	2 1 0	3
SCI	19CHY102	Engineering Chemistry - B	D	2 1 0	3
SCI	19CHY182	Engineering Chemistry Lab - B	L1	0 0 3	1
ENGG	19CSE102	Computer Programming	E	3 0 3	4
ENGG	19ECE112	Electronic Devices and Circuits	I	3 0 0	3
ENGG	19ECE181	Electronic Systems Lab	L3	0 0 3	1
ENGG	19MEE181	Manufacturing Practice	L2	0 0 3	1
ENGG	19ECE111	Circuit Theory	F	3 0 0	3
HUM	19CUL111	Cultural Education - II	G	2 0 0	2

S4 ECE

Cat	Code	Title	Slot	L T P	Cr
ENGG	19ECE213	Transmission Lines and Radiating Systems	D	3 1 0	4
ENGG	19ECE211	Digital Signal Processing	B	3 0 0	3
ENGG	19ECE212	Linear Integrated Circuits	C	3 0 0	3
ENGG	19ECE214	Communication Theory	E	3 1 0	4
SCI	19MAT213	Optimization Techniques	A	3 0 0	3
HUM	19AVP211	Amrita Values Program II	F	1 0 0	1
ENGG	19ECE284	Digital Signal Processing Lab	L2	0 0 3	1
ENGG	19ECE283	Linear Integrated Circuits Lab	L1	0 0 3	1
HUM	19SSK211	Soft Skills I	G	1 0 3	2
HUM	19LAW300	Indian Constitution	H		P/F
		TOTAL		27	22

S6 ECE

Cat	Code	Title	Slot	L T P	Cr
ENGG	15ECE311	Data Communication and Networks	A	3 0 0	3
ENGG	15ECE312	Digital Communication	B	3 1 0	4
ENGG	15ECE313	VLSI Design	C	3 0 0	3
ENGG	15ECE314	Computer System Architecture	D	3 0 0	3
ENGG		Elective I*	E	3 0 0	3
	15PHY240	Electronic Material Sciences	E		
	15ECE330	Image Processing	E		
	15ECE331	Pattern Recognition Techniques and Algorithms	E		
	15ECE325	Biomedical Signal Processing	E		
ENGG	15ECE385	Digital Communication Lab	L1	0 0 2	1

ENGG	15ECE386	VLSI Design Lab	L2	0 0 2	1
ENGG	15ECE387	Open Lab.		0 1 2	2
		OpenLab1:Computer Vision	L3		
		OpenLab2:Verilog Programming	L3		
		OpenLab3:SpeechProcessing	L3		
		OpenLab4:Electromagnetics	L3		
HUM	15SSK331	Soft Skills III	G	1 0 2	2
		TOTAL			22
S8 ECE					
Cat	Code	Title	Slot	L T P	Cr
Cat		Elective IV*	E	3 0 0	3
	15MEC333	Financial Management	E	3 0 0	3
	15ECE367	Hardware Security and Trust	E	3 0 0	3
	15ECE380	Telecommunication Management	E		
	15CSE330	Information Technology Essentials	E		
		Elective V	D	3 0 0	3
	15ECE355	Radio Frequency Circuit Design	D		
	15ECE347	Introduction to Radar Systems	D		
	15ECE345	Cellular and Mobile Communication System	D		
PRJ	15ECE499	Project Phase II	P		10
		TOTAL			16