

ELECTRONICS & COMMUNICATION ENGINEERING

1st SEMESTER (COMMON TO ALL)

Sl. No.	Code	Subjects	Contacts (periods per week)				Credit points
			L	T	P	Total	
1.	MA101	Engineering Mathematics -I	3	1	0	4	4
2.	PH101	Engineering Physics	3	1	0	4	4
3.	CS101	Introduction to Computer Programming	3	1	0	4	4
4.	HU101	Communication Skills	3	1	0	4	4
5.	ES101	Environmental Engineering	3	1	0	4	4
6.	PH171	Physics Lab	0	0	3	3	2
7.	CE171	Engineering Graphics Lab	0	1	3	4	2
8.	WS171	Workshop Practice -I	0	1	3	3	3
9.	CS171	Computing Lab	0	0	3	3	2
Total Credits							29

2nd SEMESTER (COMMON TO ALL)

Sl. No.	Code	Subjects	Contacts (periods per week)				Credit points
			L	T	P	Total	
1.	MA201	Engineering Mathematics -II	3	1	0	4	4
2.	CY201	Engineering Chemistry	3	1	0	4	4
3.	EE201	Basic Electrical Engineering	3	1	0	4	4
4.	ME201	Engineering Mechanics	3	1	0	4	4
5.	EC201	Basic Electronics	3	1	0	4	4
6.	HU201	Professional Ethics and Human value	2	0	0	2	2
7.	CY271	Engineering Chemistry Lab	0	0	3	3	2
8.	WS271	Workshop Practice -II	0	1	3	3	3
9.	EE271	Basic Electrical and Electronics Lab	0	0	3	3	2
Total Credits							29

3rd SEMESTER

Sl. No.	Code	Subjects	Contacts (periods per week)				Credit points
			L	T	P	Total	
1.	EC301	Electronics Circuits and Devices	3	1	0	4	4
2.	EC302	Linear Systems & Signals	3	1	0	4	4
3.	MA301	Engineering Mathematics – III	3	1	0	4	4
4.	IE301	Network Theory	3	1	0	4	4
5.	CS304	Data Structure	3	1	0	4	4
6.	EC371	Electronics Circuits & Devices Lab	0	0	3	3	2
7.	IE371	Circuit Simulation Lab	0	0	3	3	2
8.	EC372	Linear Systems & Signals lab	0	0	3	3	2
9.	HU371	Language Lab	0	0	3	3	2
10.	CS374	Data Structure Lab	0	0	3	3	2
Total Credits							30

4th SEMESTER

Sl. No.	Code	Subjects	Contacts (periods per week)				Credit points
			L	T	P	Total	
1.	HU401	Engineering Economics	3	0	0	3	3
2.	EC401	Digital electronics	3	1	0	4	4
3.	EC402	Analog communication	3	1	0	4	4
4.	EC403	Linear Integrated Circuits	3	1	0	4	4
5.	MA401	Numerical Methods and C Programming	3	1	0	4	4
6.	EC471	Digital electronics Lab	0	0	3	3	2
7.	EC472	Analog communication lab	0	0	3	3	2
8.	EC473	Linear Integrated Circuits Lab	0	0	3	3	2
9.	MA471	Numerical Methods Lab	0	0	3	3	2
Total Credits							27

5th SEMESTER

Sl. No.	Code	Subjects	Contacts (periods per week)				Credit points
			L	T	P	Total	
1.	HU501	Industrial management and entrepreneurship	3	0	0	3	3
2.	EC501	Electromagnetic Waves	3	1	0	4	4
3.	EC502	Digital Communications	3	1	0	4	4
4.	IE501	Microprocessor and Microcontroller	3	1	0	4	4
5.	IE506	Control Theory	3	1	0	4	4
6.	IE571	Microprocessor Lab	0	0	3	3	2
7.	IE576	Control System Lab	0	0	3	3	2
8.	EC572	Digital Communication	0	0	3	3	2
Total Credits							25

6th SEMESTER

Sl. No.	Code	Subjects	Contacts (periods per week)				Credit points
			L	T	P	Total	
1.	HU601	Professional Communication	2	0	0	2	2
2.	EC601	Microwave Engineering	3	1	0	4	4
3.	EC602	VLSI Design	3	1	0	4	4
4.	EC603	Digital Signal Processing	3	1	0	4	4
5.	EC604	Communication Networks	3	1	0	4	4
6.	EC61*	Elective	3	0	0	3	3
7.	EC672	VLSI Design Lab	0	0	3	3	2
8.	EC673	Digital signal processing lab	0	0	3	3	2
9.	EC671	Microwave lab	0	0	3	3	2
Total Credits							27

7th SEMESTER

Sl. No.	Code	Subjects	Contacts (periods per week)				Credit points
			L	T	P	Total	
1.	EC71*	Elective	3	0	0	3	3
2.	EC71*	Elective	3	0	0	3	3
3.	EC71*	Elective	3	0	0	3	3
4.	EC71*	Elective	3	0	0	3	3
5.	EC71*	Elective	3	0	0	3	3
6.	EC791	Major Project –I	0	0	12	12	8
7.	EC792	Report & Presentation on Practical Training – II	-	-	-	-	3
8.	EC793	Seminar	0	0	3	3	2
Total Credits							28

8th SEMESTER

Sl. No.	Code	Subjects	Contacts (periods per week)				Credit points
			L	T	P	Total	
1.	EC81*	Elective	3	0	0	3	3
2.	EC81*	Elective	3	0	0	3	3
3.	EC81*	Elective	3	0	0	3	3
4.	EC891	Major project -II	0	0	18	18	12
5.	EC892	Project Defense	-	-	-	-	4
6.	EC893	Comprehensive Viva Voce	-	-	-	-	8
Total Credits							33

List of Elective Courses in Electronics & Communication Engineering

1. EC615: MOBILE COMMUNICATION
2. EC616: EMBEDDED SYSTEM
3. IE615: POWER ELECTRONICS
4. EC710: ANTENNA AND WAVE PROPAGATION
5. EC711: CRYPTOGRAPHY
6. EC712: SPREAD SPECTRUM COMMUNICATIONS
7. EC713: WIRELESS SYSTEM
8. EC714: DIGITAL IMAGE PROCESSING
9. EC715: BIOMEDICAL INSTRUMENTATION
10. EC716: OPERATING SYSTEM
11. EC810: RADAR AND ELECTRONIC NAVIGATION SYSTEMS
12. EC811: ARTIFICIAL NEURAL NETWORK
13. EC812: DSP PROCROSSORS AND ARCHITECTURE
14. EC813: DATABASE MANAGEMENT SYSTEMS
15. EC814: SATELLITE COMMUNICATION