

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING Odd Semester AY

SEMESTER - 1 (Y22)											
Sl No	Course Code	Course Title	Uni/Sch/Dept	Type	L	T	P	S	Cr	CH	Emp. ID
1	21EC1101	Digital Logic & Processors	DEP CORE	PC	3	0	2	0	4	5	3066
SEMESTER - 3 (Y21)											
Sl No	Course Code	Course Title	Uni/Sch/Dept	Type	L	T	P	S	Cr	CH	
1	21UC2103	Essentials Skills for Employability	UNI CORE	HSS	0	0	4	0	2	4	
2		Foreign Language Elective	UNI ELEC	OE	2	0	0	0	2	2	
3	20UC1203	Design Thinking and Innovation-2	SCH ELEC	ES	1	0	0	4	2	5	5398
4	21EC2104	Electronic Devices & Circuits	DEP CORE	PC	3	0	2	2	4.5	7	4621
5	21EC2105	Communication Signals & System Design	DEP CORE	PC	3	1	0	0	4	4	1181
6	21EC2106	Embedded Controllers & Embedded Systems Design	DEP CORE	PC	3	0	2	2	4.5	7	4966
7	21EC2107	AI & ANN Tools and Applications	DEP CORE	PC	3	0	0	0	3	3	4958
8	21EC2114	Electronic System Design Workshop	SCH ELEC	PR	0	0	0	6	1.5	6	5439
SEMESTER - 5 (Y20)											
Sl No	Course Code	Course Title	Uni/Sch/Dept	Type	L	T	P	S	Cr	CH	
1		Science Elective-1	SCH ELEC	BS	3	0	2	0	4	5	
2		Flexi Core-2	FLEXI CORE	FC	3	0	2	0	4	5	
3		Flexi Core-3	FLEXI CORE	FC	3	0	2	0	4	5	
4		Professional Elective-1	DEP ELEC	PE	3	0	0	0	3	3	
5		Professional Elective-2	DEP ELEC	PE	3	0	0	0	3	3	
6	20UC2204	Corporate Communication Skills	UNI CORE	HS	0	4	0	0	2	4	
7	20TS3101	Technical Proficiency / Entrepreneurial Incubation	SCH ELEC	SK	0	0	0	12	3	6	4295
8	20IE3050	Technical Internship	SCH ELEC	PR	0	0	0	8	2	4	5155
9	20IE3150	Midgrade Capstone Project-1	SCH ELEC	PR	0	0	0	8	2	4	2978
Science Elective for Third Year											
Sl No	Course Code	Course Title	Uni/Sch/Dept	Type	L	T	P	S	Cr	CH	
1	19CY1001	Engineering Chemistry	UNI ELE	SE	3	0	2	0	4	5	
2	19CY1003	Chemistry & Bioinformatics for Engineers	UNI ELE	SE	3	0	2	0	4	5	
3	19CY1004	Organic Electronics	UNI ELE	SE	3	0	2	0	4	5	
Flexi core or Optional Core for Third Year											
Sl No	Course Code	Course Title	Uni/Sch/Dept	Type	L	T	P	S	Cr	CH	
	19EC3015	VLSI Design	DEPT ELE	FC	3	0	2	0	4	5	5155
	19EC3016	Wireless Communications	DEPT ELE	FC	3	0	2	0	4	5	2982
	19EC3017	RF System Design	DEPT ELE	FC	3	0	2	0	4	5	2980
	19EC3018	Biomedical Electronics & IOT for Healthcare	DEPT ELE	FC	3	0	2	0	4	5	4719
	19EC3019	Electronics Instruments & Automation	DEPT ELE	FC	3	0	2	0	4	5	3621
	19EC3020	System Engineering, Operation Research & Designing	DEPT ELE	FC	3	0	2	0	4	5	
	19EC3021	Electrical Technologies & Solar Power Systems	DEPT ELE	FC	3	0	2	0	4	5	5677
	19EC3022	Advance Course in Soft-Computing (AI, ANN, Fuzzy Logic & Genetic Algorithms)	DEPT ELE	FC	3	0	2	0	4	5	5891
	20EC3023	Database Management System	DEPT ELE								
	21EC3021	Machine Learning with Python	DEPT ELE	FC	3	0	2	0	4	5	4148
Professional Electives for Third Year											
1	20EC3051	Wireless sensor Networks & IOT Applications	DEPT ELE	PE-2	3	0	0	0	3	3	4573
2	20EC3052	Solar Photo-Voltaic cells & Solar Power Arrays	DEPT ELE	PE-3	3	0	0	0	3	3	6224
3	20EC3061	Low Power VLSI	DEPT ELE	PE-2	3	0	0	0	3	3	4276
4	20EC3062	Algorithms for VLSI Design Automation	DEPT ELE	PE-3	3	0	0	0	3	3	3956
5	20EC3071	Control Systems & Introduction to Robotics	DEPT ELE	PE-2	3	0	0	0	3	3	5406
6	20EC3072	Autonomous Vehicles & Automotive Electronics	DEPT ELE	PE-3	3	0	0	0	3	3	4448
7	20EC3081	Speech Signal Processing	DEPT ELE	PE-2	3	0	0	0	3	3	6580
8	20EC3082	Digital Image Processing	DEPT ELE	PE-3	3	0	0	0	3	3	2978
9	20EC3091	Microwave Engineering	DEPT ELE	PE-2	3	0	0	0	3	3	5213
10	20EC3092	Antenna Design & Wave Propagation	DEPT ELE	PE-3	3	0	0	0	3	3	855
11	20EC4051	Information Theory & Coding	DEPT ELE	PE-2	3	0	0	0	3	3	4263
12	20EC4052	4G Wireless Technologies & Cellular Communications	DEPT ELE	PE-3	3	0	0	0	3	3	3726
15	20EC4071	Automated Vehicles & Avionics	DEPT ELE	PE-2	3	0	0	0	3	3	1737
16	20EC4072	Calibrations and Designing Advanced Instruments	DEPT ELE	PE-3	3	0	0	0	3	3	2721
17	20EC3081	Speech Signal Processing	DEPT ELE	PE-2	3	0	0	0	3	3	
18	20EC4082	Natural Language Processing & Applications	DEPT ELE	PE-3	3	0	0	0	3	3	3452

SEMESTER - 7-CRT (Y19)											
1		Open Elective-1	UNI ELEC	OE	3	0	0	0	3	3	
2		Open Elective-2	UNI ELEC	OE	3	0	0	0	3	3	
3		Open Elective-3	UNI ELEC	OE	3	0	0	0	3	3	
4	19UC0007	Indian Heritage and Culture	UNI CORE	HSS	0	0	0	0	0	0	5456
5	19UC0008	Indian Constitution	UNI CORE	HSS	2	0	0	0	0	2	6769
6	19IE4048/19IE4050	Project (Part I) / Practice School	SCH CORE	PR	0	0	0	24	6	24	
SEMESTER - 7 -NCRT/PS/Internship											
1		Foreign Language Elective	UNI ELEC	OE	2	0	0	0	2	2	
2		Management Elective	UNI ELEC	OE	3	0	0	0	3	3	
3	19UC0010	Universal Human Values & Professional Ethics	UNI CORE	HS	2	0	0	0	0	2	2013
5	19UC0009	Ecology & Environment	SCH CORE	HS	2	0	0	0	0	2	2364
6	19BT1001	Biology for Engineers	SCH CORE	BS	2	0	0	0	0	2	4944
7	19IE4048/19IE4050	Project (Part II) / Practice School/ Internship	SCH CORE	PR	0	0	0	24	6	24	

2021-22
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