



DEPARTMENT OF TELECOMMUNICATION ENGINEERING

LIST OF DOMAIN ELECTIVE COURSES

S.No.	Course Code	Course Title	Credit Hours
1)	TE-601	Advanced Engineering Electromagnetics	3
2)	TE-602	Advanced Wireless Communications	3
3)	TE-603	Advanced Satellite Communication	3
4)	TE-604	Advanced Mobile Communication	3
5)	TE-605	Advanced Radar Engineering	3
6)	TE-606	Microwave Active Devices	3
7)	TE-607	RF Circuit Design	3
8)	TE-800	Free Space Optical Communication	3
9)	TE-801	Microwave Filters	3
10)	TE-802	Monolithic Microwave Integrated Circuit (MMIC) Technology and Design	3
11)	TE-803	Metamaterials and Nano Photonics	3
12)	TE-804	Adaptive Antennas and Phased Arrays	3
13)	TE-805	Body Centric Communications and Sensing	3
14)	TE-806	RF Energy Harvesting and Wireless Power Transmission	3
15)	TE-621	Transforms in Signal Processing	3
16)	TE-622	Advanced Digital Image Processing	3
17)	TE-623	Speech Processing	3
18)	TE-624	Multimedia Communications	3
19)	TE-625	Compressed Sensing and Applications	3
20)	TE-820	Adaptive Filter Theory	3
21)	TE-821	Real-Time DSP	3
22)	TE-822	Array Signal processing	3
23)	TE-823	Multimedia Forensics and Security	3
24)	TE-641	Detection and Estimation Theory	3
25)	TE-642	Information and Coding Theory	3

26)	TE-643	Advanced Computer Networks	3
27)	TE-840	Advanced Information and Coding Theory	3
28)	TE-841	Advanced Network Security	3
29)	TE-842	Radio Network Planning and Optimization	3
30)	TE-843	Cellular Network Planning and Optimization	3
31)	TE-661	Stochastic Processes	3
32)	TE-662	Broadband Communication	3
33)	TE-663	Advanced Optical Communication Systems	3
34)	TE-664	Optical Networks	3
35)	TE-665	Network Optimization	3
36)	TE-666	Network Planning and Management	3
37)	TE-667	Telecom Management Network	3
38)	TE-860	Optimization Techniques	3
39)	TE-861	Teletraffic Engineering	3
40)	TE-862	Wireless Sensor Networks	3
41)	TE-863	Next Generation Networks	3
42)	TE-864	Mobile Ad-hoc Networks	3
43)	TE-865	QoS in Telecommunication Networks	3
44)	TE-866	Advanced Intelligent Networks	3
45)	TE-867	Smart Grid Networks	3
46)	TE-898	Special Advanced Topics related to Telecommunication Engineering	3