LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
1	12/6/17	UNIT-I. Antenna fundamentals Introduction	I	chalk & Board		
2	14/6	Radiation mechanism	"	"		
3	15/6	antenna parameters	"	"		
4	16/6	"	"	"		
5	19/6	retarded potentials	"	"		
6	21/6	radiation from Infinitesimal electric dipole (Hertzian dipole)	"	"		
7	22/6	current distribution of electric dipole	"	"		
8	23/6	fields and patterns of electric dipole	"	"		
9	28/6	Power of Half wave dipole	"	"		
10	29/6	current distribution	"	"		
11	30/6	field patterns	"	"		
12	10/7	radiation resistance.	"	"		
13	12/7	Antenna directivity	"	"		
14	13/7	loop antennas.	"	"		
15	17/7	field patterns	"	"		
16	17/7	current distributions	"	"		
17	19/7	Short electric dipole	"	"		
18	24/7	Short magnetic dipole	"	"		
19	26/7	Assignment-I	"	"		
20	27/7	problems	"	"		

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21	28/7	UNIT-II Antenna Arrays. Two element arrays.	II	Chalk & talk		
22	31/7	different cases	"	"		
23	2/8	field patterns	"	"		
24	3/8	Current distributions	"	"		
25	4/8	Pattern multiplication	"	"		
26	7/8	Broadside arrays	"	"		
27	9/8	End fire array	"	"		
28	10/8	EFA Increased directivity	"	"		
29	11/8	Scanning arrays	"	"		
30	14/8	Binomial arrays	"	"		
31	16/8	Problems, Assignment-2	"	"		
32	17/8	UNIT-III Non resonant Rhombic Radiators.	III	"		
33	18/8	Travelling wave radiators	"	"		
34	21/8	Long wire antennas	"	"		
35	23/8	field strengths	"	"		
36	24/8	Patterns.	"	"		
37	28/8	V-antennas	"	"		
38	4/9	Rhombic antennas	"	"		
39	6/9	Helical antennas principles	"	"		
40	7/9	AG-3	"	"		

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Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
41	8/9	Unit-IV VHF, UHF & micro antennas	IV	D		
42	11/9	Arrays with parasitic elements Yagi-Uda array	"			
43	13/9	Reflector antennas	"			
44	14/9	parabolic reflectors	"			
45	15/9	types of feeds	"			
46	18/9	horn antennas	"			
47	20/9	lens antennas.	"			
48	21/9	Antenna measurements - Setup	"			
49	22/9	directivity measurement	"			
50	25/9	power measurement	"			
51	27/9	Ass-4	"			
52	4/10	Unit-V wave propagation.	V			
53	5/10	ground wave propagation	"			
54	6/10	wave tilt, flat, spherical Earth considerations	"			
55	9/10	Sky wave propagation	"			
56	11/10	Ionospheric layers, abnormalities absorption	"			
57	Extra class	fundamental equation & loss calculations	"			
58	Extra class	Space wave propagation LOS	"			
59	Extra class	Radio horizon, formation of earth, effective radius	"			
60	Extra class	M-curves, duct propagation, Scatter, Ass-5	"			

Total 62