

LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
1.	20/7	Introduction	I	Black Board		
2.	20/7	Elements of Digital Comm. Adv		"		
3.	23/7	PCM Block, Sampling		"		
4.	24/7	Quantization types, error		"		
5.	29/7	Companding in PCM		"		
6.	29/7	Problems on PCM		"		
7.	30/7	DPCM block diagram		"		
8.	31/7	Delta Modulation Demodulation		"		
9.	31/8	DPCM blocks of DM		"		
10.	31/8	ADM, Residual		"		
11.	6/8	Noise in PCM Noise in DM		"		
12.	7/8	Quant. (S/N) DM Problems		"		
13.	10/8	Introduction to Digital modulation	II	"		
14.	10/8	ASK, FSK Modulation		"		
15.	15/8	PSK Modulation				
16.	14/8	DEPSK, DPSK		"		
17.	17/8	QPSK & M-ary system				
18.	17/8	Bandwidth Probability of error				
19.	20/8	Optimum filter (Pc)				

LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
20.	21/8	Matched filter	II	Black Board		
21.	24/8	Correlation & Non Correlated Signals		"		
22.	24/8	Calculation of error probability for ASK, FSK, PSK, DPSK		"		
23.	27/8	Problems		"		
24.	28/8	Introduction to Information Theory	III	"		
25.	31/8	Amount of information & entropy		"		
26.	31/8	Properties of entropy		"		
27.	3/9	Information rate, mutual information		"		
28.	4/9	Source Coding, Shannon-Hartley theorem, Shannon-Fano coding		"		
29.	7/9	Problems		"		
30.	7/9	Huffman code & problems		"		
31.	10/9	Channel capacity Discrete & Gaussian		"		
32.	11/9	Bandwidth-S/N trade off		"		
33.	14/9	Introduction	IV	"		
34.	14/9	Matrix representation of linear block codes		"		
35.	17/9	Problems of linear block codes		"		
36.	18/9	Error detection capabilities		"		
37.	21/9	Hamming Code problems		"		

LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
38	21/9	Binary cyclic codes introduction	IV	Black Board		
39	28/9	Encoding using cyclic codes		"		
40	28/9	Syndrome calculations		"		
41	1/10	Problems		"		
42	2/10	Introduction to convolutional codes	V	"		
43	5/10	Time domain approach		"		
44	5/10	Transform domain approach		"		
45	8/10	Problems		"		
46	9/10	Graphical approach state diagram		"		
47	12/10	Trellis diagram		"		
48	12/10	Problems		"		
49	15/10	Decoding using Viterbi algorithm		"		
50	16/10	Problems		"		
51	19/10	Problem from previous question		"		
52	19/10	Revision of 12 cents		"		
53	2/11	Revision on 3rd cent		"		
54	2/11	Revision of 4th unit		"		