

LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
1	4/8/15	<u>Unit-I</u> Introduction to signals & systems	I	Black Board		
2	4/8/15	classification of signals	"	"		
3	6/8/15	classification of signals	"	"		
4	7/8/15	classification of systems	"	"		
5	11/8/15	classification of systems	"	"		
6	11/8/15	Analogy b/w vectors & signals	"	"		
7	13/8/15	Orthogonal signal space.	"	"		
8	14/8/15	Signal approximation Using orthogonal functions	"	"		
9	18/8/15	Mean Square error	"	"		
10	18/8/15	Closed or complete set of orthogonal functions	"	"		
11	20/8/15	Orthogonality in complex functions	"	"		
12	21/8/15	Exponential & Sinusoidal signals	"	"		
13	25/8/15	Exponential & Sinusoidal signals	"	"		
14	25/8/15	Elementary signals	"	"		
15	27/8/15	properties of elementary signals.	"	"		
16	28/8/15	Basic operations on signals.	"	"		
17	1/9/15	<u>Unit-II</u> Representation of Fourier series	II	"		
18	1/9/15	Continuous time periodic signals	"	"		
19	3/9/15	properties of Fourier series	"	"		
20	4/9/15	properties of Fourier series	"	"		

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21	8/9/15	Dirichlet's conditions	"	Black board		
22	08/9/15	Trigonometric Fourier Series	"	"		
23	10/9/15	Exponential Fourier series	"	"		
24	11/9/15	Complex Fourier Spectrum problems on F.S.	"	"		
25	15/9/15	Fourier Transform; Deriving F.T from F.S	"	"		
26	15/9/15	F.T of arbitrary signals	"	"		
27	18/9/15	F.T of arbitrary signals	"	"		
28	19/9/15	F.T of standard signals	"	"		
29	22/9/15	Properties of Fourier transform	"	"		
30	25/9/15	properties of Fourier transform	"	"		
31	29/9/15	Fourier transform of periodic signals	"	"		
32	29/9/15	problems on F.T.	"	"		
33	1/10/15	Unit-III: Representation of C.T signals in terms of impulses	III	"		
34	6/10/15	Linear time variant systems	"	"		
35	6/10/15	Linear time Invariant systems	"	"		
36	8/10/15	Unit impulse response	"	"		
37	9/10/15	Convolution integral representations of LTI system	"	"		
38	13/10/15	Transfer function of LTI system	"	"		
39	13/10/15	Filter characteristics of linear systems	"	"		
40	15/10/15	Distortion less Tx through a system	"	"		

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41	16/10/15	Signal B.W & System B.W, Ideal LPF, HPF	<u>III</u>	Black board		
42	20/10/15	BPF characteristics, Causality & poly weiner ^{real} criterion for physical system	"	"		
43	20/10/15	<u>Unit-IV</u> Concept of convolution	<u>IV</u>	"		
44	23/10/15	Concept of correlation in time domain.	"	"		
45	27/10/15	Concept of Conv and Correlation in freq domain	"	"		
46	27/10/15	Concept of convolution & correlation in freq domain	"	"		
47	29/10/15	Cross Correlation	"	"		
48	30/10/15	auto correlation. ESD & PSD	"	"		
49	3/11/15	Properties of correlation & related problems	"	"		
50	3/11/15	Sampling theorem Impulse Sampling	"	PPT		
51	5/11/15	Natural & Flat top Sampling	"	"		
52	6/11/15	Reconstruction of Signal from its Samples	"	"		
53	10/11/15	effect of under Sampling — Aliasing	"	"		
54	10/11/15	Problems on Nyquist rate & Nyquist interval	"	Black board		
55	12/11/15	<u>Unit-V</u> : <u>L.T</u> Review of L.T	<u>V</u>	"		
56	13/11/15	L.T of typical signals	"	"		
57	17/11/15	L.T of typical signals	"	"		
58	17/11/15	properties of L.T	"	"		
59	19/11/15	properties of L.T	"	"		
60	20/11/15	relation b/w LT & FT of a signal, ROC	"	"		

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