



K.S. SCHOOL OF ENGINEERING AND MANAGEMENT, BANGALORE - 560109

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

NAME OF THE STAFF : RAMYA K R  
 SUBJECT CODE/TITLE : 17EE54 / SIGNALS AND SYSTEMS  
 SEMESTER/YEAR : V / III  
 ACADEMIC YEAR : 2019-2020

Sl. No.	Topic to be covered	Mode of Delivery	Teaching Aid	No. of Periods	Cumulative No. of Periods	Proposed Date	Delivered Date
<b>MODULE 1 Introduction</b>							
1	Definitions of signals and a system	L+D	BB	1	1	29/7/2019	29/7/2019
2	Classification of signals	L+ D	BB	1	2	30/7/2019	30/7/2019
3	Tutorial	L+ D	BB	0	2	30/7/2019	30/7/2019
4	Problems	L+ PS	BB	1	3	1/8/2019	1/8/2019
5	Problems	L+ PS	BB	1	4	2/8/2019	2/8/2019
6	Basic operations on signals	L+D	BB	1	5	5/8/2019	5/8/2019
7	Problems	L+ PS	BB	1	6	6/8/2019	6/8/2019
8	Tutorial	T	BB	0	6	6/8/2019	6/8/2019
9	Problems	L+ PS	BB	1	7	8/8/2019	8/8/2019
10	Elementary signals viewed as interconnections of operations,	L+D	BB	1	8	10/8/2019	13/8/2019
11	Properties of systems	L+ D	BB	1	9	13/8/2019	16/8/2019
12	Tutorial	T	BB	0	9	13/8/2019	13/8/2019
13	Problems	L+PS	BB	1	10	16/8/2019	17/8/2019
<b>MODULE 2 Time Domain Representations for LTI Systems</b>							
14	Convolution sum	L+D	BB	1	11	17/8/2019	19/8/2019
15	Tutorial	T	BB	0	11	17/8/2019	20/8/2019
16	Problems	L+ PS	BB	1	12	19/8/2019	20/8/2019
17	Convolution integral	L+D	BB	1	13	20/8/2019	22/8/2019
18	Tutorial	T	BB	0	13	20/8/2019	
19	Problems	L+PS	BB	1	14	22/8/2019	26/8/2019
20	Properties and Impulse response	L+ D	BB	1	15	23/8/2019	27/8/2019
21	Problems	L+ PS	BB	1	16	26/8/2019	29/8/2019
22	Solution of differential and difference equations	L+D	BB	1	17	27/8/2019	30/8/2019
23	Tutorial	T	BB	0	17	27/8/2019	17/9/2019
24	Problems	L+ PS	BB	1	18	29/8/2019	6/9/2019
25	Block diagram representations	L+D	BB	1	19	30/8/2019	16/9/2019
26	Problems	L+PS	BB	1	20	6/9/2019	17/9/2019
<b>MODULE 3 Z-Transform</b>							
27	Introduction, Properties of	L+ D	BB	1	21	9/9/2019	17/9/2019

	ROC						
28	Problems	L+ PS	BB	1	22	12/9/2019	19/9/2019
29	Properties of Z-transforms	L+D	BB	1	23	13/9/2019	23/9/2019
30	Problems	L+PS	BB	1	24	14/9/2019	24/9/2019
31	Inverse Z Transform	L+ D	BB	1	25	16/9/2019	26/9/2019
32	Problems	L+ PS	BB	1	26	17/9/2019	27/9/2019
33	Tutorial	T	BB	0	26	17/9/2019	24/9/2019
34	Transfer function, stability and causality	L+D	BB	1	27	19/9/2019	30/9/2019
35	Problems	L+PS	BB	1	28	20/9/2019	1/10/2019
36	Unilateral Z-transform and its application to solve difference equations	L+D	BB	1	29	23/9/2019	3/10/2019
37	Problems	L+PS	BB	1	30	24/9/2019	4/10/2019
38	Tutorial	T	BB	0	30	24/9/2019	
<b>MODULE 4 The Continuous-Time Fourier Transform</b>							
39	Representation of a non - periodic signals: continuous-time Fourier transform (FT)	L+D	BB	1	31	26/9/2019	10/10/2019
40	Problems	L+PS	BB	1	32	27/9/2019	11/10/2019
41	Properties of continuous-time Fourier transform	L+ D	BB	1	33	30/9/2019	12/10/2019
42	Problems	L+PS	BB	1	34	1/10/2019	17/10/2019
43	Tutorial	T	BB	0	34	1/10/2019	22/10/2019
44	Applications	L+D	BB	1	35	3/10/2019	18/10/2019
45	Problems	L+PS	BB	1	36	4/10/2019	21/10/2019
46	Frequency response of LTI systems	L+ D	BB	1	37	5/10/2019	22/10/2019
47	Problems	L+ PS	BB	1	38	10/10/2019	24/10/2019
48	Solutions of differential equations	L+ D	BB	1	39	11/10/2019	25/10/19
49	Problems	T	BB	1	40	12/10/2019	26/10/19
<b>MODULE 5 The Discrete-Time Fourier Transform</b>							
50	Representations of non-periodic signals	L+D	BB	1	41	17/10/2019	28/10/19
51	The discrete time Fourier transform	L+ D	BB	1	42	18/10/2019	30/10/19
52	Problems	L+ PS	BB	1	43	21/10/2019	31/10/19
53	Properties of DTFT, Applications	L+ D	BB	1	44	22/10/2019	8/11/19
54	Tutorial	T	BB	0	44	22/10/2019	12/11/2019
55	Problems	L+ PS	BB	1	45	24/10/2019	12/11/2019
56	Problems	L+PS	BB	1	46	25/10/2019	
57	Frequency response of LTI systems	L+D	BB	1	47	26/10/2019	
58	Tutorial	T	BB	0	47	26/10/2019	
59	Problems	L+PS	BB	1	48	28/10/2019	
60	Solutions of differential equations	L+D	BB	1	49	31/10/2019	
61	Problems	L+ PS	BB	1	50	4/11/2019	




REVISION							
62	Revision	L+D	BB	0	50	5/11/2019	
63	Tutorial	L+D	BB	0	50	5/11/2019	
64	Revision	L+D	BB	0	50	7/11/2019	
65	Revision	L+D	BB	0	50	8/11/2019	
66	Revision	L+D	BB	0	50	9/11/2019	
67	Revision	L+D	BB	0	50	9/11/2019	
68	Revision	L+D	BB	0	50	11/11/2019	
69	Revision	L+D	BB	0	50	12/11/2019	
70	Tutorial	L+D	BB	0	50	12/11/2019	
71	Revision	L+D	BB	0	50	14/11/2019	
72	Revision	L+D	BB	0	50	18/11/2019	
73	Revision	L+D	BB	0	50	19/11/2019	
74	Tutorial	L+D	BB	0	50	19/11/2019	
75	Revision	L+D	BB	0	50	28/11/2019	
76	Revision	L+D	BB	0	50	29/11/2019	
77	Revision	L+D	BB	0	50	30/11/2019	

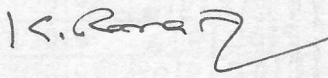
Total number of teaching hours-50

Total number of tutorial hours-14

Total number of revision hours-13

  
Course In charge

  
Head - Dept

  
Principal