



Unit/Expt No.	Date	Topic/Activities Planned	Plan	Actual		Remarks
			No of hours	No of hours	Date	
UNIT I: Small Signal High Frequency Transistor Amplifier Model						
1.	20-11-2017	Small signal High Frequency Transistor Amplifier models	1			
2.	21-11-2017	Review of small signal low frequency hybrid transistor model	1			
3.	22-11-2017	Transistor at high frequencies	1			
4.	23-11-2017	Common Emitter Transistor hybrid model	1			
5.	24-11-2017	Hybrid conductance	1			
6.	25-11-2017	Hybrid capacitances	1			
7.	27-11-2017	Validity of Hybrid model	1			
8.	28-11-2017	Determination of high-frequency parameters in terms of low frequency parameters	1			
9.	29-11-2017	CE short circuit current gain	1			
10.	30-11-2017	Current gain with resistive load ,Cut-off frequencies	1			
11.	1/12/2017	Frequency response and gain bandwidth product	1			
12.	4/12/2017	Analysis of common source Amplifier circuit at high frequencies	1			
13.	5/12/2017	Analysis of common drain Amplifier circuit at high frequencies	1			
14.	6/12/2017	Exercise on problems	1			
15.	7/12/2017	Introduction	1			
16.	8/12/2017	Classification of amplifiers	1			
17.	11/12/2017	Methods coupling	1			
18.	12/12/2017	Cascaded transistor amplifier and its analysis	1			
19.	13/12/2017	Analysis of two stage RC coupled amplifier	1			
20.	14/12/2017	High input resistance transistor amplifier circuits	1			



		and their analysis				
21.	15/12/2017	Darlington pair amplifier	1			
22.	16/12/2017	Cascode amplifier	1			
23.	18/12/2017	Boot strap emitter follower	1			
24.	19/12/2017	Analysis of multi stage amplifiers using FET	1			
25.	20/12/2017	Differential amplifier using BJT	1			
26.	21/12/2017	Exercise on problems	1			
27.	22/12/2017	Introduction	1			
28.	23/12/2017	Feedback principle and concept	1			
29.	26/12/2017	types of feed back	1			
30.	27/12/2017	Classification of amplifiers	1			
31.	28/12/2017	Feedback topologies	1			
32.	29/12/2017	Characteristics of negative feedback amplifiers	1			
33.	30/12/2017	Generalized analysis of feedback amplifiers	1			
34.	2/1/2018	Performance comparison of feedback	1			
35.	3/1/2018	Method of analysis of feedback	1			
36.	4/1/2018	Exercise on problems	1			
37.	5/1/2018- 11/1/2018	Tutorial	6			
38.	18/1/2018- 25/1/2018	1st mid examinations				
39.	27/1/2018	oscillator principle, condition for oscillations	1			
40.	29/1/2018	Types of oscillators	1			
41.	30/1/2018	RC-phase shift and wein bridge oscillators with BJT and FET	1			
42.	31/1/2018	RC-phase shift and wein bridge oscillators analysis	1			
43.	1/2/2018	Generalized analysis of LC Oscillators	1			



44.	2/2/2018	Hartley and Colpitts's oscillators with BJT and FET	1			
45.	3/2/2018	Hartley and Colpitts's oscillators analysis	1			
46.	5/2/2018	Crystal Oscillators	1			
47.	6/2/2018	Frequency stability of oscillators	1			
48.	7/2/2018	amplitude stability of oscillators	1			
49.	8/2/2018	Exercise on problems	1			
50.	9/2/2018	Classification of amplifiers	1			
51.	12/2/2018	Class A power amplifiers and their analysis	1			
52.	14/2/2018	Class A power amplifiers and their analysis	1			
53.	15/2/2018	Hamonic Distortions	1			
54.	16/2/2018	Class B push-pull amplifiers and their analysis	1			
55.	17/2/2018	Complimentary symmetry push pul amplifier	1			
56.	18/2/2017	Class AB power amplifier	1			
57.	20/2/2018	Class C power amplifier	1			
58.	21/2/2018	Thermal stability and heat sinks	1			
59.	22/2/2018	Advanced power amplifiers	1			
60.	23/2/2018	Distortion in amplifiers	1			
61.	24/2/2018	Exercise on problems	1			
62.	25/2/2018	Introduction	1			
63.	27/2/2018	Q-Factor, small signal tuned amplifier	1			
64.	28/2/2018	capacitance coupled single tuned amplifier	1			
65.	1/3/2018	double tuned amplifiers	1			
66.	3/3/2018	Effect of cascading single tuned amplifiers on band width	1			
67.	5/3/2018	Effect of cascading double tuned amplifiers on band width	1			



68.	6/3/2018	staggered tuned amplifiers	1			
69.	7/3/2018	stability of tuned amplifiers	1			
70.	8/3/2018	wideband amplifiers	1			
71.	9/3/2018	Exercise on problems	1			
72.	12/3/2018- 14/3/2018	Tutorials	3			
73.	15/3/2018- 19/3/2018	Revision	4			
74.	19/3/2018- 24/3/2018	II MID Examinations				