

2304204 – ANALOG ELECTRONIC CIRCUITS LAB							
Programme & Branch	B. Tech - ECE	Sem	Category	L	T	P	Credit
Prerequisites	EDC	4		0	0	3	1.5
List of Experiments: Any 10 Experiments to be completed							
1	Two stage RC coupled Amplifier						
2	Darling ton pair Amplifier						
3	Class-A series-fed Power Amplifier						
4	Complementary Symmetry Class-B push-pull Power amplifier						
5	Single Tuned Amplifier						
6	Monostable Multivibrator						
7	Astable Multivibrator						
8	Schmitt Trigger						
9	UJT Relaxation Oscillator						
10	Bootstrap sweep circuit						
11	Differential Amplifier						
							Total: 30hrs
References/Manuals/Software :							
1	Text Book :						
2	Laboratory Manual						
3	Virtual Labs link: http://vlabs.iitkgp.ac.in/psac/newlabs2020/vlabiitkgpAE/						

COURSE OUTCOMES: On completion of the course , the student will be able to		BT Mapped (Highest Level)
CO1	Analyze the functionality of Multistage amplifiers	L2
CO2	Obtain the efficiency and tuning of Power and tuned amplifiers respectively.	L3
CO3	Design and analyze the operation of various Multivibrators	L2
CO4	Plot the waveforms generated by the time base generators	L4
CO5	Implementation of transistor differential amplifier	L3

Mapping of COs with POs and PSOs

[illegible]