COURSE CODE	COURSE NAME	L-T-P-C	YEAR OF INTRODUCTION
EC232	ANALOG INTEGRATED	0-0-3-1	2016
	CIRCUITS LAB		
Prerequisite	Should have registered for EC204 Ana	log Integrated Cir	cuits
Course obje	ctives:	IZAT	A A A
• To ac	quire skills in designing and testing anal	og integrated circu	uits
• To ex	pose the students to a variety of practica	l circuits using va	rious analog ICs.
	FUENDE		AL
List of Expe	riments: (Minimum 12 experiments an	e to be done)	/
	UNIVER	SILY	
1. Famil	iarization of Operational amplifiers -	Inverting and I	Non inverting amplifiers
freque	ency response, Adder, Integrator, compa	rators.	
2. Meas	urement of Op-Amp parameters.		
3. Difference Amplifier and Instrumentation amplifier.			
	itt trigger circuit using Op –Amps.		
	le and Monostable multivibrator using C	Op -Amps.	
6. Timer	r IC NE555		
7. Triangular and square wave generators using Op- Amps.			
8. Wien bridge oscillator using Op-Amp - without & with amplitude stabilization.			
	hase shift Oscillator.		
	sion rectifiers using Op-Amp.		
	e second order filters using Op-Amp (LF		BSF).
	i filters to eliminate the 50Hz power line	frequency.	
	ltage regulators.		
	converters- counter ramp and flash type.		
15. D/A Converters- ladder circuit.			
	of PLL IC: free running frequency lock	range capture ran	ge
Expected ou			
	hould able to:	1	
-	n and demonstrate functioning of variou		
2. Stude	nts will be able to analyze and design va	rious applications	of analog circuits.

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