II B.Tech – I Semester (20EE3104) ANALOG ELECTRONICS LAB

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Int. Marks	Ext. Marks	Total Ma	arks					L	Т	Р	С
15	35	50						-	-	3	1.5
Pre-Requis	sites: ANALO	G ELECT	RONICS								
• To obs	t the characteris erve the applic	ations of F	PN Junctio	n Diode a	as rectifie	rs					
• To desi	ign and implen	nent ampli	fier circuit	ts and mu	ulti vibrato	ors					
Part A: Part B: Part B: Part B: Part A Part B: 5. Transis 6. FET Cl Part A: Part B: 7. UJT Cl 8. Common 9. Common 10. Monos	nction Diode C Germanium D Silicon Diode ave Rectifier (v Characteristic Characteristic Characteristics Output Characteristics Drain Character Transfer Characteristics on Emitter Am on Collector A table Multivibrator	Diode (Forward (Forward without an without and racteristics cteristics n eristics acteristics acteristics uplifier mplifier rator	ward bias o Bias only) ad with C-f d with C-f) filter)	se bias)						
 Analog Analog Analog Digital Decade Decade Decade Ammer Voltme 	t required: ted Power supp g / Digital Stora g / Digital Func Multi-meters e Resistance Bo e Capacitance H ters (Analog or eters (Analog o & Passive Elec	age Oscillo ction Gene oxes / Rhe Boxes r Digital) or Digital)	rators								

Course Outcomes:

After successful completion of the course, the students will be able to:

S.No	Course Outcome						
1.	Understand the characteristics of PN Junction Diode, BJT, FET and UJT and obtain						
	their parameters						
2.	Describe the regulation process of Half and full wave rectifier	L2					
3.	Plot the switching action of a BJ	L3					
4.	Observe the frequency responses of CE and CS amplifier	L2					
5.	Design and analyze the functionality of Multi vibrators	L6					

Correlation of COs with POs& PSOs:

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	1	2	-	-	2	-	-	-	3	-	-	-	3	1
CO2	2	2	1	-	3	-	I	I	3	-	-	-	3	1
CO3	1	2	2	-	3	-	-	-	3	-	-	-	3	1
CO4	2	2	2	1	3	-	-	-	3	-	-	-	3	2
CO5	2	3	3	2	3	-	-	-	3	-	-	-	3	2