



B. P. Poddar Institute of Management & Technology
Department of Electronics & Communication Engineering



Academic Year: 2017-2018 **Semester: Odd**
Laboratory Name: Boylestad Laboratory **Room No.: B - 502**

Course Name: Analog Electronic Circuits Laboratory (EC-394)
2 ECE 1st Semester

List of Experiments to be conducted

Sl. No.	Name of Experiment	CO	PO	PSO1	PSO2
1	Exp-1 - Study of ripple and regulation characteristics of full wave rectifier without and with capacitor filter	1,5	1,2,9,12	1(1)	-
2	Exp-2 - Study of Zener diode as a voltage regulator	1,5	1,2,9,12	1(1)	-
3	Exp-3 - Study of Diode as clipper & clamper	5	1,2,9,12	1(1)	-
4	Exp - 4 - Realization of a V-to-I & I-to-V converter using Op-Amps.	3,5	1,2,9,12	1(1)	-
5	Exp - 5 - Study of timer circuit using NE555 & configuration for monostable & astable multivibrator.	4,5	1,2,9,12	1(1)	-
6	Exp - 6 - Design a Bistable multivibrator using NE 555.	4,5	1,2,9,12	1(1)	-
7	Exp - 7 - Design a simple function generator using IC.	3,4,5	1,2,3,9,12	1(1)	-
8	Exp - 8 - Study of D.A.C & A.D.C.	5	1,2,9,12	1(1)	-
9	<u>One Beyond syllabus experiment:</u>		1,3,6,9,12	1(1)	-
	1. Design and explain RC Phase Shift Oscillators		1,2,3,9,12	1(1)	-
	2. Design of a 2 ND order active band pass filter.				



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8	Exp - 8 - Study of D.A.C & A.D.C.	5	1,2,9,12	1(1)	-
9	<u>Any One Additional Experiment :</u>				-
	1 .Design and explain RC Phase Shift Oscillators	3,5	1,3,6,9,12	1(1)	
	2. Design of a 2 ND order active band pass filter.	1,5	1,2,3,9,12	1(1)	-

(Ms. Banhi (Dutta Choudhuri) Das)
Faculty In-charge

(Dr. Ivy Majumdar)
HOD, ECE Dept.



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