

SHRI VISHNU ENGINEERING COLLEGE FOR WOMEN

(Autonomous)

Department of Electronics & Communication Engineering

Vishnupur, Bhimavaram - 534202

ANALOG & PULSE CIRCUITS LAB

Laboratory-In-charge : Mr. K.Murthy Raju

Laboratory-Technician : Mr. N. V. V. Satish Kumar

Objective:

This laboratory aims to produce graduates to design a pulse circuits and to verify functionality of pulse circuits along with their applications. The student will acquire knowledge to design multivibrators (using Transistors), Linear wave shaping circuits, and Time base generators (using Transistors).

The students will acquire knowledge to design Single stage Amplifiers (using Transistor), Multistage Amplifier (using Transistors), Feedback Amplifiers (using Transistors), Oscillators (using Transistor), Tuned Amplifier (using Transistors), Power Amplifiers (using Transistors), and Analyze their responses using Multisim software.



LAB EQUIPMENT:

S.No.	Item Description	Qty
1	Cathode Ray Oscilloscope	13
2	Dual Trace Oscilloscope (20 M Hz)	14
3	Dual Trace Oscilloscope (30 M Hz)	3
4	Regulated Power Supply	11
5	Regulated Power Supply	3
6	Dual DC RPS(0-30V)	13
7	Fixed Power Supplies (+12v,-12v,+5v)	11
8	Function Generators -(1 - 1M Hz)	5
9	Function Generators -(1 - 1M Hz)	10
10	Function Generators -(1 - 10M Hz)	2
11	Function Generator	5
12	Function Generator	13
13	Digital Multimeter - 3.5 Dig(Hand Held)	2
14	Digital Multimeter - 4.5 Dig(Bench Top)	3
15	Digital Multimeter 3.5 Display	10
16	Analog IC Tester	1
17	Digital IC Tester	1
18	Analog IC Trainer Kits	28
19	Digital IC Trainer Kits	11