

VIDYA JYOTHI INSTITUTE OF TECHNOLOGY HYDERABAD

IIYear B.Tech. ECE II-Sem

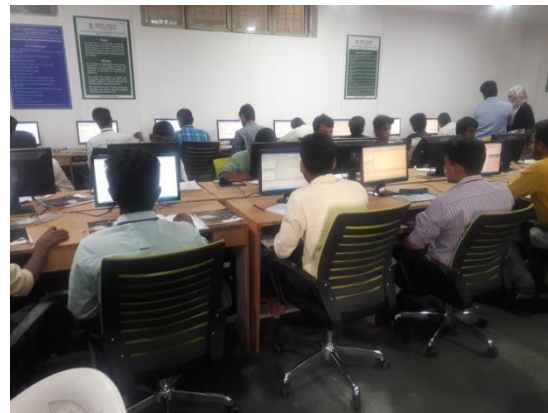
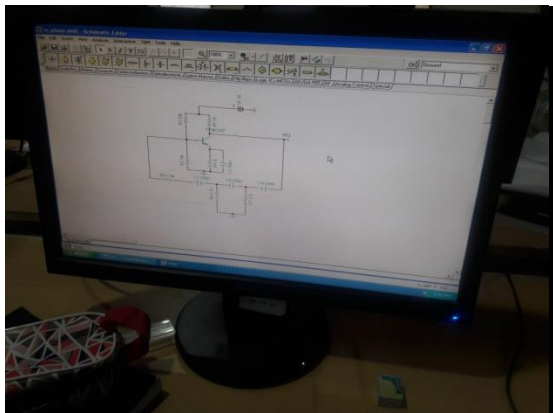
L T P C

0 0 3 2

Electronic Circuit Analysis LAB

Course Outcomes:

A14485	Course Outcomes
1	To Implement and verify the response of small signal Amplifiers
2	To Identify and illustrate the time response of oscillators
3	To Prepare and summarize the response of power amplifiers
4	To illustrate and show the frequency of oscillations of tune amplifiers.



List of Experiments

SOFTWARE (Minimum eight experiments to be conducted)

1. Common Emitter Amplifier
2. Common Collector Amplifier
3. Common Source Amplifier
4. Two Stage RC Coupled Amplifier
5. Current Shunt And Voltage Series Feedback Amplifier
6. Cascade Amplifier
7. Wien Bridge Oscillator Using Transistors

8. RC Phase Shift Oscillator Using Transistors
9. Class A Power Amplifier (Transformer Less)
10. Class B Complementary Symmetry Amplifier
11. Common Base (BJT)/ Common Gate (JFET) Amplifier

HARDWARE (Minimum five experiments to be conducted)

1. Class A Power Amplifier (With Transformer Load)
2. Class C Power Amplifier
3. Single Tuned Voltage Amplifier
4. Hartley & Colpitt's Oscillators
5. Darlington Pair
6. MOS Amplifier

Equipment:

Class A power Amplifier Kit	2
Class C power Amplifier Kit	2
Single Tuned Voltage Amplifier Kit	2
Hartley Oscillator Kit	2
Colpitts Oscillator Kit	2
Darlington Pair Kit	2
MOS Common Source Amplifier Kit	2
CRO (0-20MHz)	12
Function Generator(10Hz - 1MHz)	12
Multimeters	12
Regulated power supply (0-30V)	12
Computers	30
TINA PRO - SPICE software with Hardware keys licenced	15
Bread Boards	10