


MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE

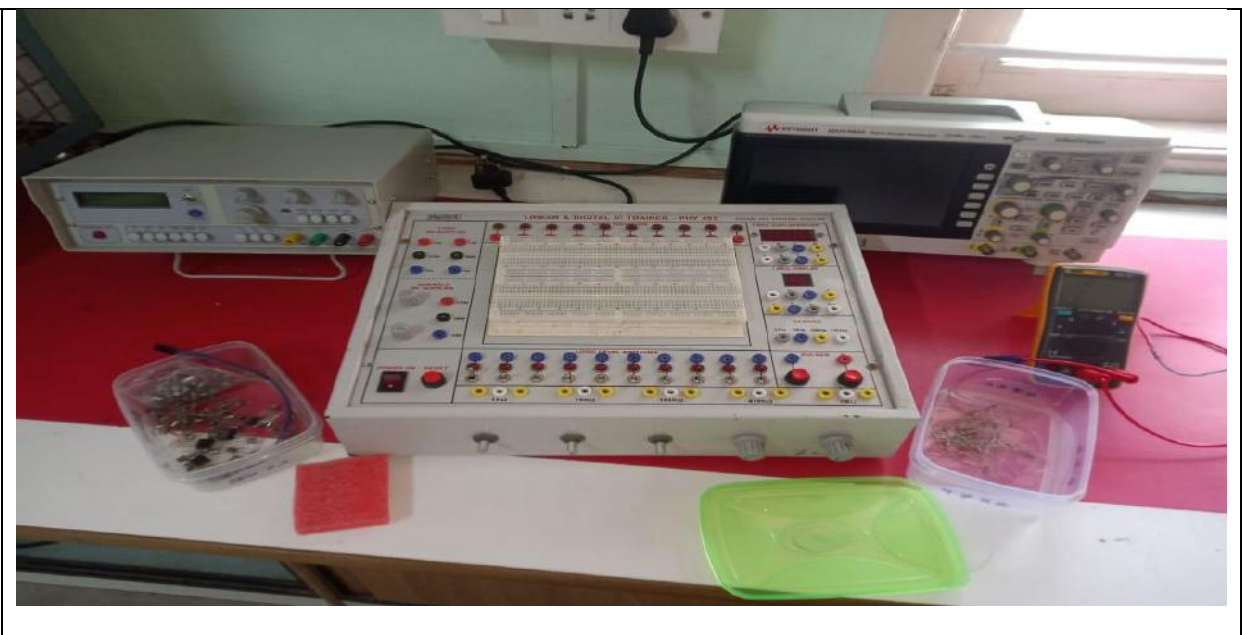
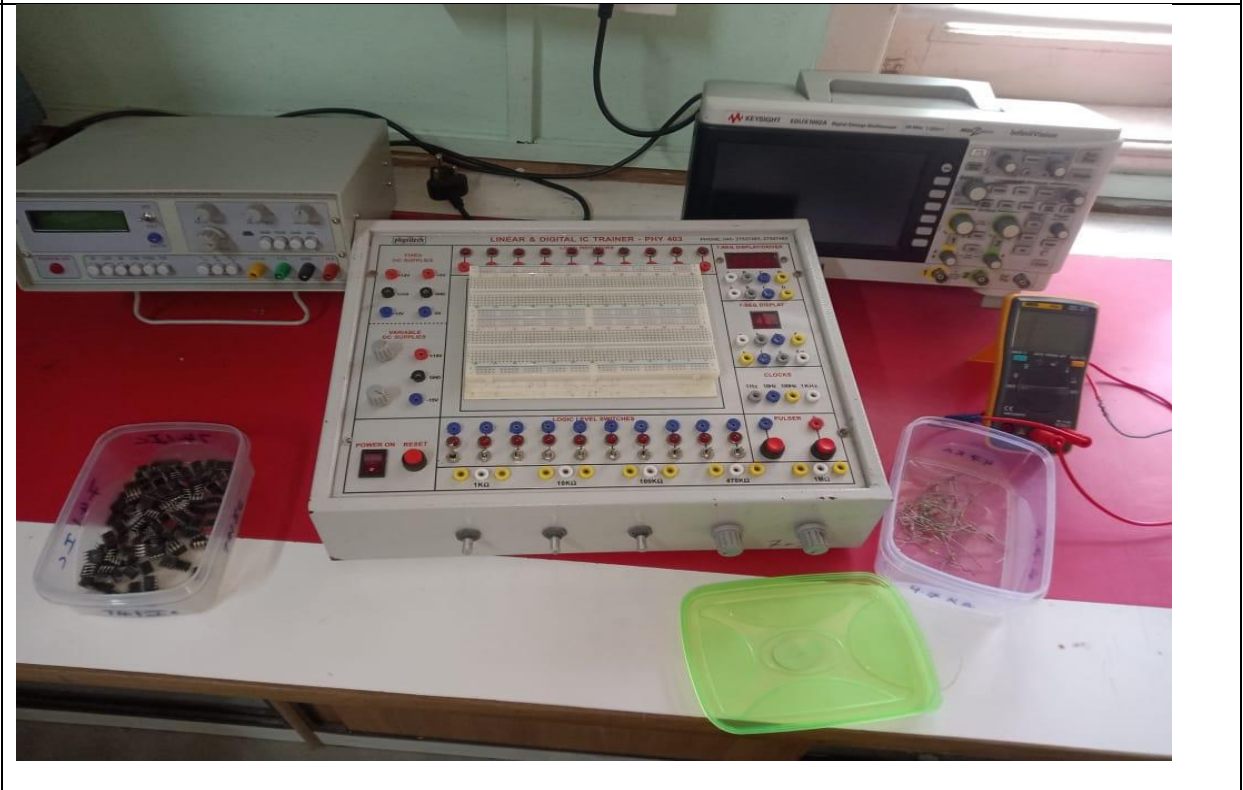
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

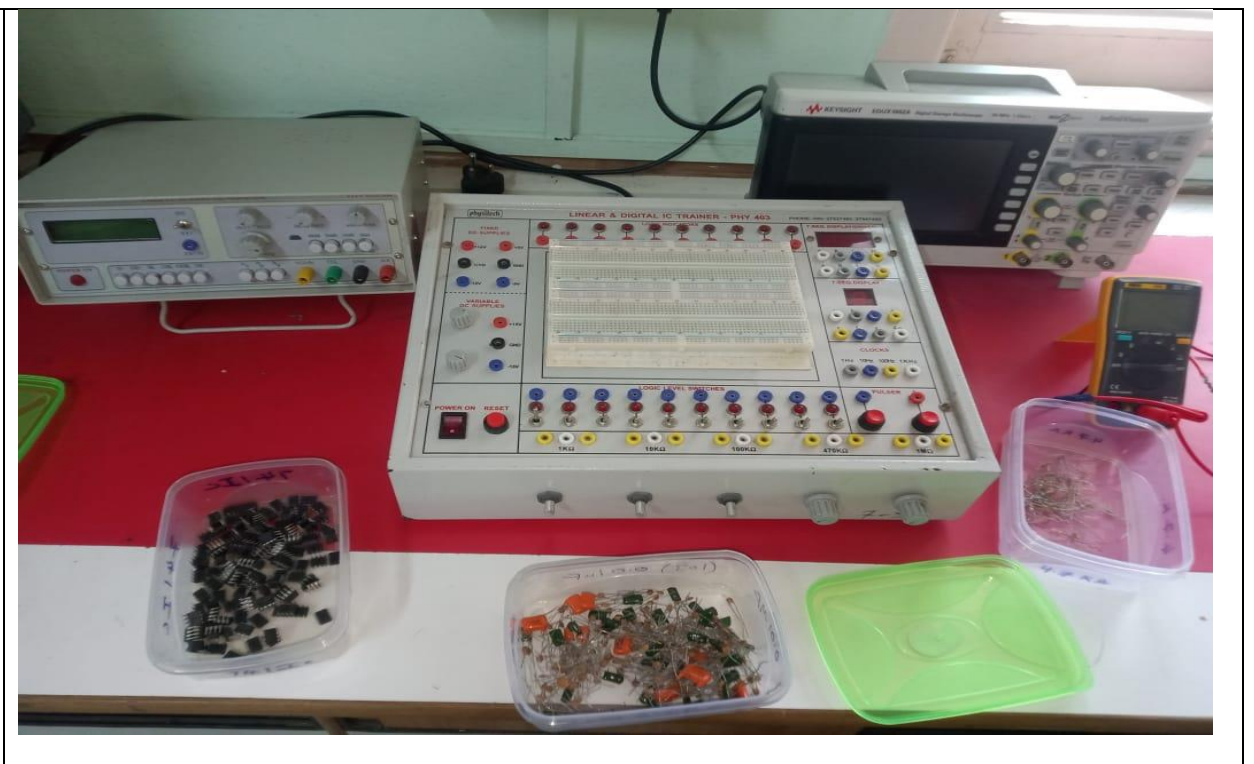
B. Tech II Year I Semester – R 20


ANALOG ELECTRONICS LABORATORY – 20EEE203


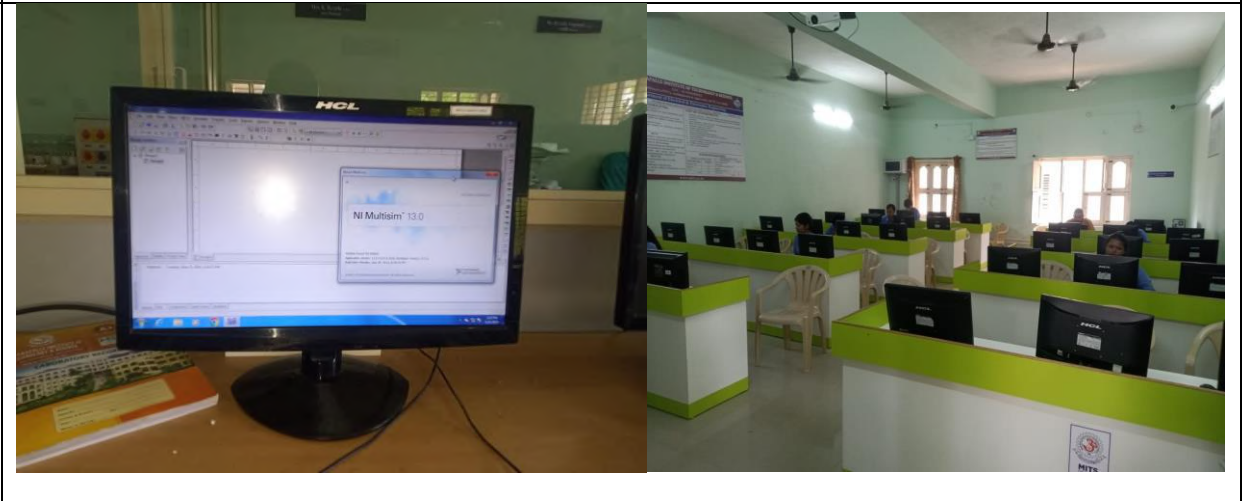
LIST OF EXPERIMENTS

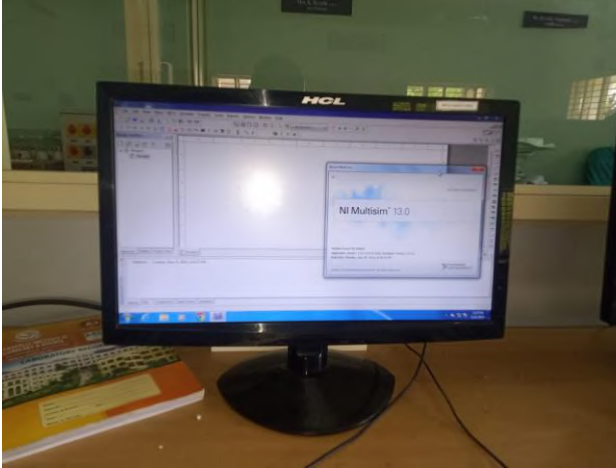
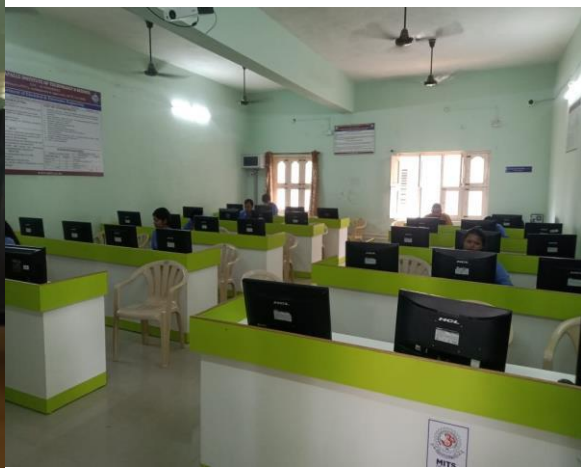
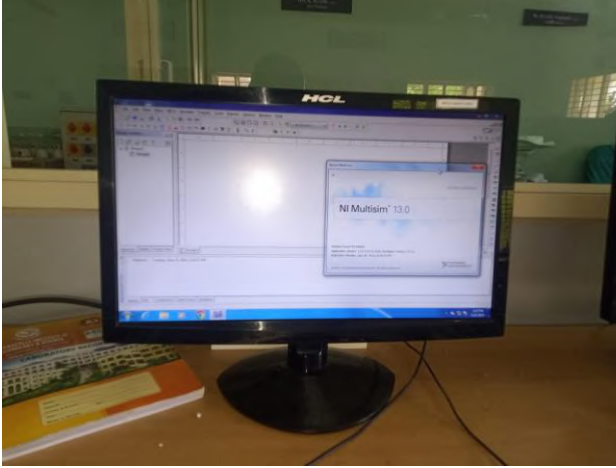

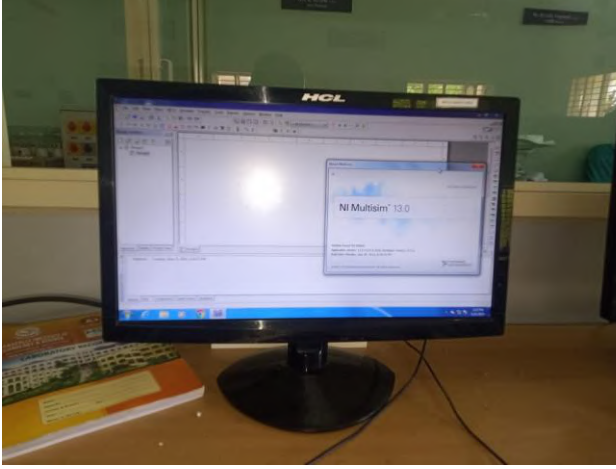

SI NO	NAME OF THE EXPERIMENTS	Equipment details	Image
1	Common Emitter Amplifier	BJT(BC107), Regulated Power Supply (RPS)(0-30V), Digital Storage Oscilloscope(DSO(50MHZ), Function Generator(10MHZ) Resistors(5.6K Ω , .2.2K Ω ,10k Ω ,1k Ω ,) Capictors(1 μ f,10 μ f) , Bread Board, Connecting Wires and Probes	

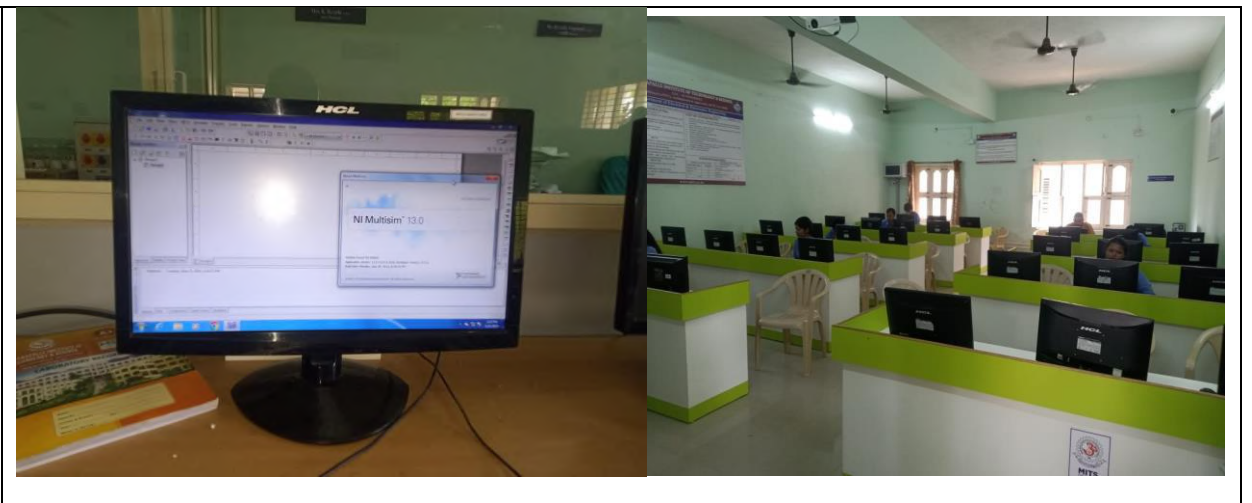
2	<p>Characteristics of MOSFET</p>	<p>BFW11/10, Regulated Power Supply (RPS)(0-30V), Multimeter, Resistors(100KΩ ,560Ω Bread Board, Connecting Wires and Probes</p>	
3	<p>Basic Configuration and characteristics of Op-amp</p>	<p>LM741 IC(Op-amp), Digital Storage Oscilloscope (DSO(50MHZ), Function Generator(10MHZ) Resistors(10kΩ,1kΩ,) Regulated Power Supply (RPS)(0-30V), Connecting Wires and Probes</p>	

4	Precision Circuit	<p>LM741 IC(Op-amp),</p> <p>Diode(IN4007),</p> <p>Function Generator(10MHZ),</p> <p>Resistors(10kΩ,1kΩ,)</p> <p>Regulated Power Supply (RPS)(0-30V),</p> <p>Digital Storage Oscilloscope(DSO(50MHZ)</p> <p>Bread Board,</p> <p>Connecting Wires and Probes</p>	
---	-------------------	--	---

5	Study of Feed Back Amplifiers using Op-amp	<p>LM741 IC(Op-amp),</p> <p>Function Generator(10MHZ),</p> <p>Resistors(10kΩ,1kΩ,)</p> <p>Regulated Power Supply (RPS)(0-30V),</p> <p>Digital Storage Oscilloscope (DSO)(50MHZ)</p> <p>Bread Board,</p> <p>Connecting Wires and Probes</p>	
---	--	--	---

6	<p>IC Fixed and adjustable Voltage Regulators</p>	<p>IC7805, LM723, Regulated Power Supply (RPS)(0-30V), Multimeter Resistors(100KΩ ,560Ω,) Capacitor(0.33μf,0.1μf)</p>	
7	<p>High Input Resistance Transistor Amplifier</p>	<p>NI 13.0 MULTISIM SOFTWARE</p>	

8	Instrumentation Amplifier, Arithmetic Operation using Op-Amp	NI 13.0 MULTISIM SOFTWARE		
9	Study of Active Filters	NI 13.0 MULTISIM SOFTWARE		
10	Sinusoidal and Non-Sinusoidal Oscillators	NI 13.0 MULTISIM SOFTWARE		

11	Magnitude comparator and window detector using Op-Amp	NI 13.0 MULTISIM SOFTWARE	
12	. Integrated Circuit Timer and Phase Locked Loop	NI 13.0 MULTISIM SOFTWARE	