INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

Electronics and Communication Engineering

Laboratory Equipment – Analog and Pulse Circuits Laboratory

This laboratory provides all hardware and software required to measure the characteristics of various electronic components. The configuration of hardware and software used are detailed as follows:

1. **Server Configuration:** Dell VOSTRO 3268, Form Factor: 2U Rack Server, Processor Series: Intel® Xeon® 7100 Product Family, Processor Sockets: 2, Max Memory Capacity: 4GB DDR4, Max Storage Capacity: 160TB HDD, Supports Intel C610 series chipset, Supported Power Supplies: 495W, 750W, 1100W.

2. **Operating System:** Microsoft – Microsoft – Windows 11 &amp.

3. **Connectivity:** 1000Mbps internet and LAN connected to campus server.

4. **Laboratory Equipment:**

S.No	Item	Make	Quantity	Cost per Unit (Rs.)	Total Cost (Rs.)
1	Semiconductor devices trainer kits (0-15DC and 12-0-12 AC) V	Physitech	17	2,625	44,625
2	Function generator (0.1-1MHz)	Physitech	16	5,440	87,040
3	Dual DC regulated power supply (0-30V)	Physitech	07	4,250	29,750
4	Digital multimeter	Physitech	14	1,600	22,400
5	Cathode Ray Oscilloscope (0-30MHz)	Scientech	16	12,200	1,95,200
6	**Desktop Computer Systems:** Vostro3268 desktop Intel core-i3-7100 processor / 4GB DDR4-1TB SATA HDD / keyboard and mouse / NO ODD / 22" Monitor.	DELL	20	21,000	4,20,000
7	**Application software:** NI analog discovery version 2 trainer kits with NI Mulitisim 13.0 software	National Instruments	18	28,152	5,06,736
				Total Cost (Rs.)	**13,05,751**
	In Words -Rupees Thirteen lakh five thousand seven hundred and fifty one Only				

Date: **HOD**