

Salient Features:-

- Virtual lab is a list of executable animation programs (CBT) based on labview (Ver. 8.5 onward) supplied on CD with CD Key. Machine requirements –P4 /XP onwards
- Can be used in offline mode with any model while online mode using parallel port or USB port (USB I/O Module optional) with PC interface as supported in Model : XPO-CAT.
- Provision for file save, print with individual students name. Help topic on main screen of each experiment.
- Stepwise procedure for performing experiments with experiment set up showing circuit diagram using virtual instruments like CRO, function generator, Power supply, toggle switches, LED's, DMM etc.



Technical Specifications :

S.N.	Virtual Labs	Topics	No. of Screens	Animation	
				Offline	Online
1.	Discrete Electronics-I	I) Complementary Symmetry amplifier II) CE, CB, CC amplifier III) Shunt Feedback Amplifier (voltage & current) IV) FET Amplifier (CS & CD) & Push Pull Amplifier)	2 9 6 8	√	Using Instrument Panel exe
2.	Discrete Electronics-II	I) Multivibrator II) Characteristics of diode, zener, FET III) Characteristics of SCR, DIAC, TRIAC IV) Characteristics of MOSFET, IGBT, UJT V) Characteristics of BJT Rectifiers Regulators VI) Rectifiers VII) Regulators	3 5 3 3 4 3 6	√	Using Instrument Panel exe
3.	Network	I) Resistance, Voltage and Current measurement	3	√	Using Instru. Panel exe
4.	Op-amp /Linear Electronics	I) Filters II) Log, Antilog and Root Extractor Amplifier III) INV_NI_SUM_DIFF Amplifier	4 3 6	√	Using Instru. Panel exe
5.	Digital Electronics I	I) Basic Logic Gates II) Combinational Logic Gates III) Counters IV) Shift Register	1 12 12 3	√	Using option of online drop down Menu
6.	Digital Electronics-II	I) Boolean Algebra II) Flip Flop III) K-MAP	25 9 12	√	Using Instrument Panel exe

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