

Signal processing lab

S.No.	Name of Equipment	Specification	Qty
1	DSP starter kit based on TMS320C6XXX	<p>TMS320C6XXX floating point DSP operating at 225 Mhz. a codec with sampling rates from 8khz to 96 Khz 16MB of on board SDRAM 512K bytes of on board Flash ROM 3 expansion connectors (Memory Interface, Peripheral Interface, and Host Port Interface) On board IEEE 1149.1 JTAG connection for optional emulator debug Four 3.5 mm. audio jacks (microphone, line-in, speaker, and line out) 4 user definable LEDs 4 position dip switch, user definable +5 Volt operation only, power supply included User Manuals and programs(hard Copy & Soft copy)</p> <p>TMS320C6XXX development board with 512K Flash and 16MB SDRAM. Quick Start Guide Technical Reference Customer Support Guide USB Cable Universal 5v Power Supply AC power cable</p>	5
2	Latest version of MATLAB at least 15 user	ALL TOOLBOX RELATED TO ELECTRONICS AND COMMUNICATION, CONTROL AND INSTRUMENTATION	15 user

Communication Lab

S.No.	Name of Equipment	Specification	Qty
1	Data generator	Output : 8 bit (variable) Clock Frequency : Internal : 240 KHz, External : upto 1 MHz Rise Time : 80 ns approx. Power Supply : 220 V \pm 10 %, 50 Hz / 60 Hz on request	03

Digital electronics lab

S.No.	Name of Equipment	Specification	Qty
1	Digital Electronics lab trainer	<p>Technical Specification</p> <p>SMPS Based Power supply: +5V 1A, -5V 500mA, \pm3V to 15V 500mA (Variable)</p> <p>Frequency range: 1Hz to 1MHz in 6 Steps Variable in between Steps</p> <p>Amplitude: 3V-15V for CMOS and 5V for TTL</p> <p>Digital Signal Analyzer: 8 Channel Digital Signal Analyzer with Appropriate software.</p> <p>Duty Cycle: 50% TTL/CMOS output</p> <p>Pulsar switches: 2 Nos. (Push to ON)</p> <p>Data switches: 8Nos. (toggle switches for both TTL/CMOS)</p> <p>LED Display: 8Nos. (TTL/CMOS Mode)</p> <p>Signal Analyzer: built-In 8 channel digital signal Analyzer</p> <p>Seven Segment Display: 2Nos.</p> <p>Logic Probe: Logic level indicator for TTL/CMOS Output</p> <p><u>Built- in 8 channel Digital Signal Analyzer</u></p>	05

ELECTRONICS ENGINEERING DESIGN AND PROJECT LAB

S.No.	Name of Equipment	Specification	Qty
1	ORCAD software with PCB design		15 user