

ECAD Lab Facilities

S. No.	Lab equipments / Softwares FOR RESEAERCH	Specification/Features	Quantity
1	High configuration PC	Intel core i7 CPU 3.6GHz, Window 7 RAM 8GB, HDD 500GB, 64 bit (35) & 5 systems windows 10, RAM 16GB, HDD 1TB	40
2	Spartan-3 FPGA Starter Kit Boards	200,000-gate Xilinx Spartan-3 XC3S200 FPGA in a 256-ball thin Ball Grid Array package (XC3S200FT256)	6
3	Spartan-6 XC6SLX45 CSG324C Boards	Two HDMI Ports, 1Gbit DDR 2, 128M bit *4 quad spi flash, Trimode, audio codec, real time power supply monitors.	6
4	NEXYS 4 DDR boards	Built in peripherals including accelerometer, temperature sensor, MEMs digital microphone, speaker amplifier and lots of IO devices.	20
5	Cool Runner Trainer Kit	Cool Runner Trainer Kit	3
6	Zybo Boards	512MB, DDR3/ 128 MB serial flash, 10/100/1000 Ethernet PHY, OTG USB 2.0, Dual mode HDMI and 16bit VGA, on board JTAG programming, audio codec, micro SD slot, 6P mode connectors.	30
7	Mentor Graphics HEP-1	SOFTWARE	30
8	Mentor Graphics HEP-2	SOFTWARE	30
9	Xilinx Vivado Design Suite 2014.4	SOFTWARE	75
10	MATLAB 2018b	SOFTWARE	40
11	Cadence (University Bundle)	SOFTWARE	1
12	Server 2 & 3	WINDOWS	2
13	Server 1 & 4	RED HAT	2
14	PCs allotted for Cadence	SYSTEM No. 2,3,4,5,6,18,19,20 and 22	9
16	Xilinx FGPA Boards	Xilinx Kintex Ultrascale KCU105 Evaluation boards with 64-bit DDR4 Component Memory Dual SFP+ cages for Ethernet PCIe Gen3 x8 2x FPGA Mezzanine Card (FMC) interface for I/O expansion	2