

MAJOR EQUIPMENT

Item	Supplier
Spectrum Analyzer with Tracking Generator	Synergy Measurement Technologies Pvt. Ltd.
Arbitrary Waveform Generator	Synergy Measurement Technologies Pvt. Ltd.
MATLAB Tool Boxes	Academy of Design & Architecture
OPTSIM & MODESYS	Fiber Optic System
MEMS software (COMSOL, CoventorWare & Intellisuite)	Sponsored & Procured by NPMAS
EMI/EMC setup	Akademika Lab Solutions
Omnicant	NANO Sniff Technologies PVT.Ltd.
PP Class 100 wet Chemical station	Nano Clean Contamination Control Solutions
Rotary vacuum pump 200Lit 1mn	Hind High Vacuum Co. Pvt. Ltd
Table Top Spin coating unit - Spekrespin	SPEKTRON Instruments Inc
IV Parameter Precision Source/Measure unit	Synergy Measurement Technologies Pvt. Ltd.
FOC-Chromatic Dispersion Module	AKADEMIKA LAB Solutions
FOC-DWDM and BRAGG Grating Module	Akademika Lab Solutions
FEKO SUITE7.0: Antenna Design & Simulation Software (R&D License 05 Users)	Silicon Microsystems
Zynq FPGA Hardware with interfacing cards	APPLY VOLT
RF Transceiver	Akademika Lab Solutions
500 MHz Spectrum Analyzer	Hemeg
50 MHz Dual trace analog/Digital storage Oscilloscope	Hemeg
IC Nanometer Design (HEP1)	CoreEL Technologies
10 user Simulation Environment	Trident Tech labs
Water Chiller Unit with 30 Ltrs Storage Tank	Daichi/ Hind High Vacuum Company Pvt. Ltd.

Software available in the Department

Item	Supplier	No. of Users
FPGA Development Boards-Cyclone II along with DIO Card-IV with Quartus II	Enixs Technology	40 User
CODE COMPOSER STUDIO V4 Version	Cranes software	Multiuser
10 user SE & 1 User (VHDL)	Trident Tech labs	Multiuser
FPGA Express	Trident Tech labs	Multiuser
MultiSim Education	Trident Tech labs	Multiuser
Bloom with DSPV1.1	Cranes software	Multiuser
TMS 320C6713 kits with Code Composer Studio	Cranes software	Multiuser
Xilinx ISE foundation (version-10.1)	CoreEL Technologies	Multiuser
LAN Protocol Simulator and Analyzer	FALCON Electro-Tex	1 User
IC Nanometer Design (HEP1)	CoreEL Technologies	30 User
MATLAB	Academy of Design & Architecture	Multiuser
SIMULINK		
Tool Boxes and Baskets (Full Version)		
OPTSIM & MODESYS	Fiber Optic System	1 User
RF Design Simulation Software	Akademika Lab Solutions	10 User
MEMS software (COMSOL, CoventorWare & Intellisuite)	Sponsored NPMASS	30+01+01 User
FEKO SUITE 7.0: Antenna Design & Simulation Software	Silicon Microsystems	6 User
eSim	IITB, Mumbai	Multiuser
HSPICE	Synopsis	Multiuser
DSCH & Microwind	Synopsis	Multiuser
ORCAD PSPICE 9.1	Open Source	Multiuser
HSPICE SYNOPSIS Tool	Open Source	Multiuser
Altera Simulation Tool	Open Source	Multiuser
Code Composer Studio V6	Open Source	Multiuser
Energia	Open Source	Multiuser
ANSYS Electromagnetic Suite 17.2.0	Open Source	Multiuser

List of Laboratories

S. No.	Name of the Lab
1.	Pulse and Digital Circuits Lab
2.	Integrated Circuits Applications Lab
3.	Microprocessors & Microcontrollers Lab
4.	Electronics Computer Aided Design Lab
5.	Nanoelectronics Lab
6.	MEMS & Antennas Research Lab
7.	Digital IC & System Design Lab
8.	Simulation Lab
9.	Project Lab
10.	RF Circuits Lab
11.	Analog / Digital Communications lab
12.	Microwave and Optical Communications Lab
13.	Digital Signal Processing Lab

Laboratories

Pulse and Digital Circuits Lab



Integrated Circuits Applications Lab



Microprocessors & Microcontrollers Lab



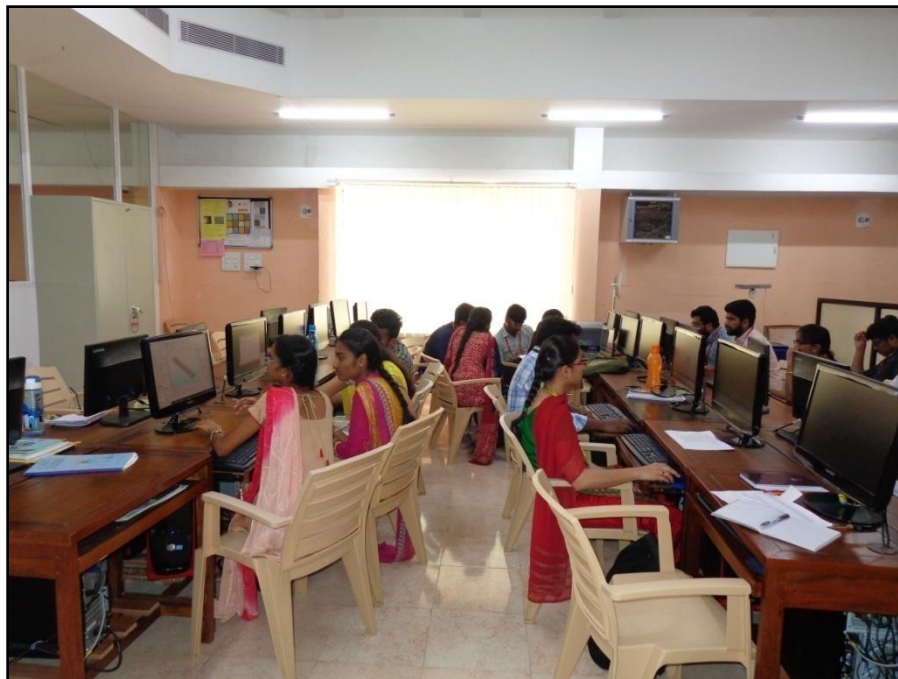
Electronics Computer Aided Design Lab



Nanoelectronics Lab



MEMS & Antennas Research Lab



Digital IC & System Design Lab



Simulation Lab



Project Lab



RF Circuits Lab



Analog / Digital Communications lab



Microwave and Optical Communications Lab



Digital Signal Processing Lab

