

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING





### Adequate and well-equipped laboratories

Sr. No.	Name of the Laboratory	No. of students per Setup (Batch Size)	Name of the Important equipment	All Software labs Systems information
1.	Electronic Devices and Circuits Lab  Mess block R no: MB101	4 students per experiment and 35 in each batch	<b>Hardware:</b> Regulated Power Supplies, CRO's, Function Generators, Digital Multi Meters, Digital Volt Meters, Digital Ammeters, Decade Resistance Boxes, Decade Capacitance Boxes, Decade Inductance Boxes, EC -PC Trainer kits, Power Output Meters, DC Nano Ammeters, EDC Trainer Kits, Servo Stabilizer.	NIL
2.	EC / PDC Lab Ec block	4 students per experiment and 35 in each batch	<b>Hardware:</b> Regulated Power Supplies, CROs, Function Generators, Digital Multimeters, Digital Ammeters, Digital IC Trainer Kits, Servo Stabilizer, Bread Board Trainer Kits	NIL
3.	IC Applications Lab  Ec block	4 students per experiment and 35 in each batch	<b>Hardware:</b> Regulated Power supply's, Function generators, Digital Multimeters, Digital Voltmeters (0-30V), Digital voltmeters (0-2V), Digital LCR meter, FPGA Kits, EDC Trainer Kits, ECA Trainer Kits, ICA Trainer Kits(experiments), Bread Board Trainer Kits, Stabilizer, Ammeters (0-200mA).	NIL
4.	Analog communications & Digital communications Lab  Ec block	4 students per experiment and 35 in each batch	<b>Hardware:</b> Experimental trainer kits, DSO(50M), DSO(200MHz), CRO(20MHz), Function Generators- 1MHz, 10MHz, Regulated power supplies, Spectrum Analyzer(9KHz-3GHz), Signal Generator(9KHz-3GHz), RF Generator(150MHz), Radio Receiver Demo Kits, Trainer kits, Servo Stabilizer Computers, Stabilizer. <b>OS:</b> Windows Xp <b>Software:</b> Matlab Boxes, .	NIL

5.	Microwave Engineering Lab Ec block	4 students per experiment and 35 in each batch	<b>Hardware:</b> Microwave bench setup with klystron power supply, Microwave bench setup with Gunn power supply, VSWR meters, CROs(30mhz), DSOs (70mhz& 50mhz), Regulated Power Supply, Function generators(2mhz-4,1mhz-8), micro ammeters(0-500), milli ammeters(0-20mA), RF signal generator(150mhz), Servo stabilizer.	NIL
6.	Micro Processor and Micro Controller Lab Ec block	35 students in each batch	<b>Hardware:</b> Computer systems, 8086 kits, 8051 kits, Cathode Ray Oscilloscope, Function Generators, study cards - NIFC12, NIFC 09, NIFC27, NIFC15, NIFC26, NIFC21 <b>OS:</b> Windows Xp <b>Software:</b> MASM(Open source) & Keil $\mu$ Vision and necessary software packages Matlab, Code composer studio.	Systems -35 Processor: Intel® core i3 <a href="#">4170 @3.70 Ghz</a> RAM: 4 GB,2GB HDD: 500 GB,150GB Moniror: 19" LED monitor
7.	ECAD/DSP LAB Ec block	35 students in each batch	<b>Hardware:</b> Computer Systems. Arduino UNO boards, Raspberry pi boards  <b>OS:</b> Windows Xp <b>Software:</b> Xilinx Software, Matlab, Code composer studio. Keil $\mu$ Vision, Arduino (open source)	Systems -35 Processor: Intel® core i3 <a href="#">4170 @3.70 Ghz</a> RAM: 4 GB HDD: 500 GB Moniror: 19" LED monitor
8.	Project oriented lab R.No:102, 1 <sup>st</sup> floor, Block -1	5	<b>Hardware:</b> Systems, Servomotors, Arduino UNO boards, Raspberry pi boards <b>OS:</b> Windows 7 <b>Software:</b> Xilinx Software, Matlab, Code composer studio. Keil $\mu$ Vision, Arduino (open source)	Systems -05 Processor: Intel® core i3 <a href="#">4170cpu @3.70 Ghz</a> RAM: 4 GB,2GB HDD: 500 GB,150GB Moniror: 19" LED monitor

### Lab Photos with Room Numbers

Sl. No.	Name of the Laboratory	Room Number	Lab Photo

1	Electronic Devices and Circuits lab	MB101	
2	EC/PDC LAB	EC306	
3	IC APPLICATIONS LAB	EC305	
4	Analog communications & Digital communications Lab	EC307	

<p><b>5</b></p>	<p>Microwave Engineering Lab</p>	<p>EC308</p>	
<p><b>6</b></p>	<p>Micro Processor and Micro Controller Lab</p>	<p>AB307</p>	
<p><b>7</b></p>	<p>DSP/ECAD Lab</p>	<p>AB102</p>	