

	S J P N Trust's Hirasugar Institute of Technology, Nidasoshi. <i>Inculcating Values, Promoting Prosperity</i> Approved by AICTE, New Delhi, Permanently Affiliated to VTU, Belagavi Recognized under 2(f) & 12B of UGC Act, 1956 Accredited at 'A+' Grade by NAAC & Programmes Accredited by NBA: CSE & ECE	Institute
		NAAC- 4.3
		IT Infrastructre

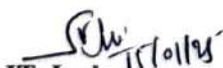
4.3.2 Student-Computer Ratio

No. of computers in the Institute	No. of computers available for administriative purpose	No. of computers available exclusively for students	No. of computers not working
414	36	373	5

Department wise number of computers and students

Sl. No	Department	No. of students in the department	No. of computers in the department
1	CSE	229	102
2	ECE	179	56
3	EEE	117	62
4	ME	94	82
5	CV	37	00
6	FY	336	17
7	Library	--	11
8	Computer centre	--	43
Total		992	373

Student Computer ratio : $\frac{992}{373} = 2.65$


IT, Incharge


Dr. S. N. Topannavar
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Details of Computing facilities available in the Institute exclusively for students

Sl.No	Name of the laboratory	Area in Sq. mt	Major equipments available	No. of Computers
1	Microprocessor Lab	70	1. Server(Intel Xeon(R) E:3110, 2 GB RAM, 250 GB HDD): 01 2. PC (Lenovo Core 2Duo2.936GHz/ 2.94Ghz , 2 GB RAM, 250 GB HDD): 19 3. Interfacing Kit: 16 4. Printer(Epson dot matrix): 01 5. UPS (5KVA): 01	20
2	Project Lab/Research Center(A209)	70	1.PC (Intel® Core (TM) i3-10100CPU@3.60GHz:16 GB, HDD:1TB): 20 2.HP Dx 7400 CPU Tower Model,Intel Core Dou,CPU2.134GHz,4GB DDRAM-2 RAM,250GB HDD ,Stand Alone : 01 3.Printer(Epson dot matrix): 01 4.UPS (5KVA): 01	21
3	System Programming Lab	70	1. PC (Core i3,2/4GB RAM,500 GB HDD): 20 2. HP Dx 7400 CPU Tower Model,Intel Core Dou,CPU2.134GHz,4GB DDRAM-2 RAM,250GB HDD ,Stand Alone : 01 3. Printer(HP Deskjet): 01 4. UPS (5KVA): 01	21
4	Algorithms / Networks Lab/ C Programming Lab	70	1. PC (Intel Core2Duo,2 GB RAM,250 GB HDD): 15 2. PC (Intel Core i3,4 GB RAM,500 GB HDD): 05 3. Printer(Epson dot matrix): 01 4. UPS (5KVA): 01	20
5	Web Programming / DBA Lab	70	1. PC (Intel Core i3/Core 2 Duo ,2 GB RAM,250/500 GB HDD): 20 2. Printer(Epson dot matrix): 01 3. UPS (5KVA): 01	20
6	Computer Center	150	1. Server(IBM x3200 M3: Intel Xeon Quad core, 8 GB RAM, 500 GB HDD): 01 2. Server(IBM x3200 M2: Intel Xeon, 2 GB RAM, 250 GB HDD): 02 3. Server(IBM xSeries226: Intel P IV, 512 MB RAM, 80 GB HDD): 01 4. PC (Lenovo Intel Core2Duo,2 GB RAM,250 GB HDD): 01 5. PC (Lenovo Pentium Core2Duo 2 GB RAM,250 GB HDD): 02 6. PC (Hp E4600,4GB RAM,250 GB HDD): 07 7. PC (Acer Assembled P IV,1.70Ghz5,12 MB	53



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IT Infrastructure

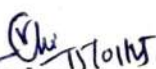
			RAM,40 GB HDD): 01 8. ESYS- Intel D 3Ghz, RAM 1 GB,160GB HDD : 12 9. Think Centre 4089 Core2 Duo RAM 2GB ,320 GB HDD : 05 10.Think Centre 3156 Core i3 RAM 2GB ,500 GB HDD : 13 11.Server : Intel Xeon E3110 @#GHz RAM 2GB , HDD 250 GB : 03 12.IBM Server X-226 Intel P-IV 512MB RAM 80 GB HDD : 1 13.IBM Server X3200 M2 Model Intel 2GB RAM 250GB HDD : 04 14.Printer(Epson dot matrix): 01 15.UPS (3 KVA): 01 16.UPS(10 KVA): 01	
7	Research/E-Yantra/DSP/CN Lab	71	1.Dell X3670MT103IN8-Vostro 3670 8th Generation Intel(r) Core (TM)i3-8100 Processor (6MB Cache ,Up to 3.6Ghz),4GB DDR 4 RAM,1TB HDD: 10 2. DSP Trainers Kits- 06 3. LCD Projectors : 01 4.Robo kits: 01 5. HP Dx 7400 CPU Tower Model,Intel Core Dou,CPU2.134GHZ,4GB DDRAM-2 RAM,250GB HDD ,Stand Alone : 04 6.HP Laser Printer:01 7.HP 3050 PrinterIntel Core-i3-7100(3mb cahe,3.9ghz),8Gb 2400Mhz DDr4 memory,1Tb HDD,2Gb Graphics Card,Intel HD : 01 8.UPS (5KVA): 01	15
8	HDL/MC Lab	71	1.Lenovo think Center 4089A15 Core 2 duo 2.9GHz processor 2GB DDR3 Ram.320 GB Sata hard Disk, DVD Writer,Keyboard,optical mouse.10/100/1000 Ethernet card, sound Card, Lenovo TFT 18.5" Monitor: 19 2.TK Base HDL Kits: 13 3.UPS 7.5 KVA: 01 4. Pattern Generators 5. Microcontrollers Kits with interfacing cards 6. Printer Dot Matrix: 01	19
9	VLSI/EMD Lab	71	1.Dell X3670MT103IN8-Vostro 3670 8th Generation Intel(r) Core (TM)i3-8100 Processor (6MB Cache ,Up to 3.6Ghz),4GB DDR 4 RAM,1TB HDD: 20 2. LPC 1768 Cortex M3 Stater kits with Accessories 3.UPS 7.5 KVA: 01 4. LCD Projector	21

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			6.Server IBM make (Support 32& 64 Bit Processor) Intel X3200 M3 Quad Core 4GB, DDR3,500GB HDD: 01	
10	Advanced Communication Lab	72	1.Wipro Ivalue, 915GVchipset,PIV 3.0,1MB cacheHT 800MHz 512MB DDR RAM,PC333,80GB-7200rpm sate HDD, Integrated audio graphics,wipro multimedia keyboard, optical scroll mouse, on board10/100/1000enet1S1,1P1.6USB ports/300w SMPS ,15" monitor ST NO:38119800002-02 2..MIC Test Bench 3.MWR Test Bench 4.OFC Kits 5.Communication Kits etc	2
11	Microcontroller Lab (EEE)	72	1.Intel P IV 3.06GHz, 80GB HDD, 512MB RAM: 07 2.Lenovo D 3GHz, 160 GB HDD, 512MB RAM : 01 3.Intel core 2duo 2.6GHz, x2 160Hz GB HDD,2GB RAM : 01 4.Intel core2 duo CPU E7500 @ 2.93GHz HDD 320 GB: 06 5.Intel core i3 3.3GHz, X4, 500GB HDD,2GB RAM: 07 6.Intel core i3 3220 @ 3.3GHz, X4, 500GB HDD,2GB RAM: 06 7.UPS 3KVA : 01 8.Printer: 01 10.UPS (5KVA): 01	28
12	PSS/ 'CAED Lab (EEE)	72	1.Dell Optiplex 3080 MT Desktop 10100 Intel Core i3 10th Gen. 8 GB DDR4HDD: 1TB: 20 2.Server: Intel core2 duo CPU E7500 @2.94GHz HDD 320GB, 2GB RAM: 01 3.UPS (5KVA): 01	21
13	Power Electronics Lab (EEE)		1.Core Duo, 2.33GHz, 4GB RAM, 250GB HDD, HP:4 2.Intel core2 duo CPU E7500@2.94GHz HDD 320GB, 2GBRAM Lenovo Thinkcenter:2 3.Intel core i3 2120 @ 3.3GHz X4, 500GB HDD, 2GB RAMLenovo Thinkcenter:3 4.Intel P IV 3.06GHz, 80GBHDD, 512MB RAM ThinkCenter Lenovo:1	10
14	Electronics Lab (EEE)		Intel P IV 3.06GHz, 80GBHDD, 512MB RAM ThinkCenter Lenovo: 2	2
15	CAMD Lab (MECH)	66	1. PC (DellCore i3,4 GB RAM,500 GB HDD): 22 2. Printer(LaserJet): 01 3. UPS (7.5KVA): 01 4. LCD projector: 01	22

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16	CIM &Automation/CAMA /CAED Lab/ (MECH)	66	1. PC (Assembled P IV, 512 MB RAM, 80 GB HDD): 22 2. LCD projector: 01 3. UPS (10 KVA): 01 4. Licensed Solid Edge software 5. Printer(LaserJet): 01 6. Windows 8.1 operating System: 16 users 7. Software: XL Mill CNC Bench Milling M/c, Catia-V5 , Caps turn & Caps mill, Ansys ED, Auto CAD –2002, Solid Edge software	22
17	Research Center(MECH)	70	1. PC (Lenovo Intel Core i3,2 GB RAM,500 GB HDD): 10 2. Printer(Laserjet): 01 3. LCD Projector 4. UPS (5 KVA): 01	10
18	CIM and CAMA Lab (MECH)		1.PC (Lenovo Intel Core 2 Duo ,2 GB RAM,512 GB HDD): 21 2.LCD Projector 3.UPS (5 KVA): 01	21
19	Language Lab	50	1.PC (Intel P IV, 512MB/2GB RAM,80 GB HDD): 10 2.I-Ball head phone with mic: 10 3.UPS (5 KVA): 01 4.E-Class (Cambridge) software	10
20	Digital Library	70	1. PC (Lenovo Intel Core i3,2 GB RAM,500 GB HDD): 01 2. BLX make Thinclient: 14	15
Total No. of Computers in the Labrotary				373


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