



PRATHYUSHA ENGINEERING COLLEGE

4.3.1. Institution frequently updates its IT facilities including Wi-Fi

The college provides computer facilities to the students to learn experimentally and also to gain access to the cutting-edge technologies in the IT world. These systems have excellent networking facilities with additional Wi-Fi routers in each block.

The state-of-the-art engineering in our Computer Centre comprises the following:

- IBM Blade server.
- Advanced Networking Equipment from CISCO.
- Latest software & Tools are available to enable the students to work on data analysis, computing technologies, web technologies and software designing.
- NAS – Network Attached Storage data back-up system of 2TB capacity.

The internet bandwidth provided through Wi-Fi is 100 Mbps which is made available to the students round the year between 8.00 am and 6.00 pm and for the hostel students beyond 6.00 pm.

The list of systems with their configuration is as follows:

S.NO	DEPARTMENT	NAME OF LABORATORY	CONFIGURATION	NO. OF SYSTEMS	PURPOSE
1	CSE	ADOBE LAB	HCL - Intel Core 2 Duo, E7500, 2.93 GHz, 2 GB RAM, 250 GB HDD, 15.5" LCD Monitor, HCL Keyboard & Mouse	6	CURRICULAM LAB
2	CSE	ADOBE LAB	HP 280G1 Intel Core i3 @4160 / 8GB RAM / 500GB HDD / 18.5" LED Monitor / Keyboard & Mouse	60	CURRICULAM LAB
3	CSE	COMPUTER PRACTICE LAB	HP Compaq D290 Intel PIV 3.0GHZ / 512MB / 80GB HDD / 15" CRT HP Monitor / Keyboard & Mouse	2	CURRICULAM LAB
4	CSE	COMPUTER PRACTICE LAB	HP COMPAQ D X2280 INTEL DUAL CORE 2.66 GHZ / 512 MB / 80 GB HDD / 15" CRT HP MONITOR / KEYBOARD & MOUSE	1	CURRICULAM LAB

5	CSE	COMPUTER PRACTICE LAB	HP COMPAQ DX2480 - Intel Core 2 Duo, E7300, 2.66 GHz, 2 GB RAM - 2, 80 GB HDD, 15" CRT LG, Keyboard & Mouse	16	CURRICULAM LAB
6	CSE	COMPUTER PRACTICE LAB	HCL - Intel Core 2 Duo, E7500, 2.93 GHz, 2 GB RAM, 250 GB HDD, 15.5" LCD Monitor, HCL Keyboard & Mouse	21	CURRICULAM LAB
7	CSE	COMPUTER PRACTICE LAB	HP Pro3330 MT-Corei3 2100,3.1 GHZ,2GB,320GB HDD, 18.5"LCD Monitor, Keyboard & Mouse	32	CURRICULAM LAB
8	CSE	ORACLE LAB	HCL - Intel Core 2 Duo, E7500, 2.93 GHz, 2 GB RAM, 250 GB HDD, 15.5" LCD Monitor, HCL Keyboard & Mouse	33	CURRICULAM LAB
9	CSE	IBM CLOUD LAB	HP Pro3330 MT-Corei3 2100,3.1 GHZ,2GB,320GB HDD, 18.5"LCD Monitor, Keyboard & Mouse	25	SPECIAL LAB
10	CSE	IBM LAB	HCL - Intel Core 2 Duo, E7500, 2.93 GHz, 2 GB RAM, 250 GB HDD, 15.5" LCD Monitor, HCL Keyboard & Mouse	25	SPECIAL LAB
11	CSE	IBM LAB	HP Pro3330 MT-Corei3 2100,3.1 GHZ,2GB,320GB HDD, 18.5"LCD Monitor, Keyboard & Mouse	8	SPECIAL LAB
12	CSE	SUN LAB	HCL - Intel Core 2 Duo, E7500, 2.93 GHz, 2 GB RAM, 250 GB HDD, 15.5" LCD Monitor, HCL Keyboard & Mouse	33	CURRICULAM LAB
13	IT	FOSS LAB	HCL - Intel Core 2 Duo, E7500, 2.93 GHz, 2 GB RAM, 250 GB HDD, 15.5" LCD Monitor, HCL Keyboard & Mouse	33	CURRICULAM LAB
14	IT	MICROPROCESSOR LAB	HP Pro3330 MT-Corei3 2100,3.1 GHZ,2GB,320GB HDD, 18.5"LCD Monitor, Keyboard & Mouse	28	CURRICULAM LAB
15	IT	MICROSOFT LAB	HCL - Intel Core 2 Duo, E7500, 2.93 GHz, 2 GB RAM, 250 GB HDD, 15.5" LCD Monitor, HCL Keyboard & Mouse	64	CURRICULAM LAB

16	ECE	COMMUNICATIO N LAB	HP COMPAQ DX2480 - Intel Core 2 Duo, E7300, 2.66 GHz, 2 GB RAM - 2, 80 GB HDD, 15" CRT LG, Keyboard & Mouse	12	CURRICULAM LAB
17	ECE	DSP LAB	HP COMPAQ DX2480 - Intel Core 2 Duo, E7300, 2.66 GHz, 2 GB RAM - 2, 80 GB HDD, 15" CRT LG, Keyboard & Mouse	31	CURRICULAM LAB
18	ECE	DSP LAB	HP 3500 MT-CORE I3 3220,CPU@3.40GHZ,2.00G B,500 GB HDD(RAM),HP KEYBOARD,HP MOUSE	1	CURRICULAM LAB
19	ECE	EC II LAB	HP COMPAQ DX2480 - Intel Core 2 Duo, E7300, 2.66 GHz, 2 GB RAM - 2, 80 GB HDD, 15" CRT LG, Keyboard & Mouse	5	CURRICULAM LAB
20	ECE	EC II LAB	HP 3500 MT-CORE I3 3220,CPU@3.40GHZ,2.00G B,500 GB HDD(RAM),HP KEYBOARD,HP MOUSE	3	CURRICULAM LAB
21	ECE	ESD LAB	HP COMPAQ DX2480 - Intel Core 2 Duo, E7300, 2.66 GHz, 2 GB RAM - 2, 80 GB HDD, 15" CRT LG, Keyboard & Mouse,	7	CURRICULAM LAB
22	ECE	ESD LAB	HP 3500 MT-CORE I3 3220,CPU@3.40GHZ,2.00G B,500 GB HDD(RAM),HP KEYBOARD,HP MOUSE	5	CURRICULAM LAB
23	ECE	MICROPROCESS OR LAB	INTEL PIV 2.8GHZ/256MB RAM/40GB HDD/15"CRT MONITOR/USB KEYBOARD/USB OPTICAL MOUSE- Astronics	5	CURRICULAM LAB
24	ECE	MICROPROCESS OR LAB	HP COMPAQ DX2480 - Intel Core 2 Duo, E7300, 2.66 GHz, 2 GB RAM - 2, 80 GB HDD, 15" CRT LG, Keyboard & Mouse	5	CURRICULAM LAB
25	ECE	MICROPROCESS OR LAB	HP 3500 MT-CORE I3 3220,CPU@3.40GHZ,2.00G B,500 GB HDD(RAM),HP KEYBOARD,HP MOUSE	5	CURRICULAM LAB
26	ECE	NI LAB	HP COMPAQ DX2480 - Intel Core 2 Duo, E7300, 2.66 GHz, 2 GB RAM - 2, 80 GB HDD, 15" CRT LG, Keyboard & Mouse	1	SPECIAL LAB

27	ECE	NI LAB	HP Pro3330 MT-Corei3 2100,3.1 GHZ,2GB,320GB HDD, 18.5"LCD Monitor, Keyboard & Mouse	36	SPECIAL LAB
28	ECE	PG LAB	HP COMPAQ DX2480 - Intel Core 2 Duo, E7300, 2.66 GHz, 2 GB RAM - 2, 80 GB HDD, 15" CRT LG, Keyboard & Mouse	5	CURRICULAM LAB
29	ECE	PG LAB	HP PAVILION 500-220IN / CORE I5-4570 (3.2 G)/8 GB DDR3 RAM/1 TB HDD/KEYBOARD & MOUSE/ 18.5"LED TFT MONITOR	1	CURRICULAM LAB
30	ECE	VLSI LAB	HP COMPAQ DX2480 - Intel Core 2 Duo, E7300, 2.66 GHz, 2 GB RAM - 2, 80 GB HDD, 15" CRT LG, Keyboard & Mouse	11	CURRICULAM LAB
31	ECE	VLSI LAB	HP 3500 MT-CORE I3 3220,CPU@3.40GHZ,2.00G B,500 GB HDD(RAM),HP KEYBOARD,HP MOUSE	22	CURRICULAM LAB
32	EEE	CISCO	HCL - Intel Core 2 Duo, E7500, 2.93 GHz, 2 GB RAM, 250 GB HDD, 15.5" LCD Monitor, HCL Keyboard & Mouse	1	CURRICULAM LAB
33	EEE	CISCO	HP Pro3330 MT-Corei3 2100,3.1 GHZ,2GB,320GB HDD, 18.5"LCD Monitor, Keyboard & Mouse	25	CURRICULAM LAB
34	EEE	CONTROL SYSTEM	INTEL PIV 2.8GHZ/256MB RAM/40GB HDD/15"CRT MONITOR/USB KEYBOARD/USB OPTICAL MOUSE	2	CURRICULAM LAB
35	EEE	CONTROL SYSTEM	HP COMPAQ D X2280 INTEL DUAL CORE 2.66 GHZ / 512 MB / 80 GB HDD / 15" CRT HP MONITOR / KEYBOARD & MOUSE	3	CURRICULAM LAB
36	EEE	CONTROL SYSTEM	HP COMPAQ DX2480 - Intel Core 2 Duo, E7300, 2.66 GHz, 2 GB RAM - 2, 80 GB HDD, 15" CRT LG, Keyboard & Mouse	1	CURRICULAM LAB

37	EEE	POWER ELECTRONICS	HP COMPAQ D X2280 INTEL DUAL CORE 2.66 GHZ / 512 MB / 80 GB HDD / 15" CRT HP MONITOR / KEYBOARD & MOUSE	1	CURRICULAM LAB
38	EEE	POWER ELECTRONICS	HP COMPAQ DX2480 - Intel Core 2 Duo, E7300, 2.66 GHz, 2 GB RAM - 2, 80 GB HDD, 15" CRT LG, Keyboard & Mouse	4	CURRICULAM LAB
39	EEE	POWER SYSTEM SIMULATION LABORATORY	HP COMPAQ DX2480 - Intel Core 2 Duo, E7300, 2.66 GHz, 2 GB RAM - 2, 80 GB HDD, 15" CRT LG, Keyboard & Mouse	1	CURRICULAM LAB
40	MECH	ANSYS LAB	HCL - Intel Core 2 Duo, E7500, 2.93 GHz, 2 GB RAM, 250 GB HDD, 15.5" LCD Monitor, HCL Keyboard & Mouse	3	CURRICULAM LAB
41	MECH	ANSYS LAB	HP Pro3330 MT-Corei3 2100,3.1 GHZ,2GB,320GB HDD, 18.5"LCD Monitor, Keyboard & Mouse	31	CURRICULAM LAB
42	MECH	HARITHA LAB	HP PAVILION 500-220IN / CORE I5-4570 (3.2 G)/8 GB DDR3 RAM/1 TB HDD/KEYBOARD & MOUSE/ 18.5"LED TFT MONITOR	43	SPECIAL LAB
43	MECH	MECHTRONICS LAB	HCL - Intel Core 2 Duo, E7500, 2.93 GHz, 2 GB RAM, 250 GB HDD, 15.5" LCD Monitor, HCL Keyboard & Mouse	15	CURRICULAM LAB
44	MECH	STAADPRO LAB	HCL - Intel Core 2 Duo, E7500, 2.93 GHz, 2 GB RAM, 250 GB HDD, 15.5" LCD Monitor, HCL Keyboard & Mouse	25	CURRICULAM LAB
45	MECH	STAADPRO LAB	HP Pro3330 MT-Corei3 2100,3.1 GHZ,2GB,320GB HDD, 18.5"LCD Monitor, Keyboard & Mouse	12	CURRICULAM LAB
46	MECH	STAADPRO LAB	HP 280G1 Intel Core i3 @4160 / 8GB RAM / 500GB HDD / 18.5"LED Monitor / Keyboard & Mouse	1	CURRICULAM LAB

47	CIVIL	AUTODESK LAB	HP COMPAQ D X2280 INTEL DUAL CORE 2.66 GHZ / 512 MB / 80 GB HDD / 15" CRT HP MONITOR / Keyboard & Mouse	1	CURRICULAM LAB
48	CIVIL	AUTODESK LAB	HCL - Intel Core 2 Duo, E7500, 2.93 GHz, 2 GB RAM, 250 GB HDD, 15.5" LCD Monitor, HCL Keyboard & Mouse	20	CURRICULAM LAB
49	CIVIL	AUTODESK LAB	HP Pro3330 MT-Corei3 2100,3.1 GHZ,2GB,320GB HDD, 18.5"LCD Monitor, Keyboard & Mouse	16	CURRICULAM LAB
50	CIVIL	Structural Lab	HP Compaq D290 Intel PIV 3.0GHZ / 512MB / 80GB HDD / 15"CRT HP Monitor / Keyboard & Mouse	1	CURRICULAM LAB
51	CIVIL	Thermal Lab	INTEL PIV 2.8GHZ/256MB RAM/40GB HDD/15"CRT MONITOR/USB KEYBOARD/USB OPTICAL MOUSE	1	CURRICULAM LAB
52	BIOTECH	Bioinformatics	INTEL PIV 2.8GHZ/256MB RAM/40GB HDD/15"CRT MONITOR/USB KEYBOARD/USB OPTICAL MOUSE	1	CURRICULAM LAB
53	BIOTECH	Bioinformatics	HP COMPAQ DX2480 - Intel Core 2 Duo, E7300, 2.66 GHz, 2 GB RAM - 2, 80 GB HDD, 15" CRT LG, Keyboard & Mouse	1	CURRICULAM LAB
54	BIOTECH	Bioinformatics	HP Pro3330 MT-Corei3 2100,3.1 GHZ,2GB,320GB HDD, 18.5"LCD Monitor, Keyboard & Mouse	41	CURRICULAM LAB
55	BIOTECH	GENETICS	INTEL PIV 2.8GHZ/256MB RAM/40GB HDD/15"CRT MONITOR/USB KEYBOARD/USB OPTICAL MOUSE	1	CURRICULAM LAB
56	NIWE	NIWE Calibration Lab (Main Block)	HP PAVILION 500-220IN / CORE I5-4570 (3.2 G)/8 GB DDR3 RAM/1 TB HDD/KEYBOARD & MOUSE/ 18.5"LED TFT MONITOR	4	CURRICULAM LAB

57	S&H	ENGLISH COMMUNICATION LAB	HP COMPAQ DX 2280 - Intel (R) P Dual Core, 2.66 GHz, 2 GB RAM, 240 GB HDD, 15" CRT Samsung, Keyboard & Mouse	1	CURRICULAM LAB
58	S&H	ENGLISH COMMUNICATION LAB	HP COMPAQ DX2480 - Intel Core 2 Duo, E7300, 2.66 GHz, 2 GB RAM - 2, 80 GB HDD, 15" CRT LG, Keyboard & Mouse	13	CURRICULAM LAB
59	S&H	ENGLISH COMMUNICATION LAB	HCL - Intel Core 2 Duo, E7500, 2.93 GHz, 2 GB RAM, 250 GB HDD, 15.5" LCD Monitor, HCL Keyboard & Mouse	11	CURRICULAM LAB
60	S&H	ENGLISH COMMUNICATION LAB	HP Pro3330 MT-Corei3 2100,3.1 GHZ,2GB,320GB HDD, 18.5"LCD Monitor, Keyboard & Mouse	9	CURRICULAM LAB
61	S&H	ENGLISH COMMUNICATION LAB	HP Pro3330 MT-Corei3 2100,3.1 GHZ,2GB,320GB HDD, 18.5"LCD Monitor, Keyboard & Mouse	1	CURRICULAM LAB
62	OTHERS	PROJECT LAB	INTEL PIV 2.8GHZ/256MB RAM/40GB HDD/15"CRT MONITOR/USB KEYBOARD/USB OPTICAL MOUSE	4	CURRICULAM LAB
63	OTHERS	PROJECT LAB	HP Compaq D290 Intel PIV 3.0GHZ / 512MB / 80GB HDD / 15"CRT HP Monitor / Keyboard & Mouse	6	CURRICULAM LAB
64	OTHERS	PROJECT LAB	HP COMPAQ D X2280 INTEL DUAL CORE 2.66 GHZ / 512 MB / 80 GB HDD / 15" CRT HP MONITOR / KEYBOARD & MOUSE	13	CURRICULAM LAB
65	OTHERS	PROJECT LAB	HP COMPAQ DX2480 - Intel Core 2 Duo, E7300, 2.66 GHz, 2 GB RAM - 2, 80 GB HDD, 15" CRT LG, Keyboard & Mouse,	2	CURRICULAM LAB
66	OTHERS	PROJECT LAB	HCL - Intel Core 2 Duo, E7500, 2.93 GHz, 2 GB RAM, 250 GB HDD, 15.5" LCD Monitor, HCL Keyboard & Mouse	3	CURRICULAM LAB

67	OTHERS	R&D	HCL INTEL CORE 2 DUO E7500 2.93GHZ PROCESSER, 2GB DDR 2, 250GB SATA, KEYBOARD PS\2, 18.5TFT, OPT USB MOUSE,GIGABIT LAN	1	CURRICULAM LAB
68	OTHERS	R&D	HP Pro3330 MT-Corei3 2100,3.1 GHZ,2GB,320GB HDD, 18.5"LCD Monitor, Keyboard & Mouse	1	CURRICULAM LAB
69	LIBRARY	DIGITAL LIBRARY	HCL - Intel Core 2 Duo, E7500, 2.93 GHz, 2 GB RAM, 250 GB HDD, 15.5" LCD Monitor, HCL Keyboard & Mouse	28	CURRICULAM LAB
70	LIBRARY	DIGITAL LIBRARY	HP Pro3330 MT-Corei3 2100,3.1GHZ,2GB,320GB HDD, 18.5"LCD Monitor, Keyboard & Mouse	2	CURRICULAM LAB
Total				892	

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