

**GURU NANAK DEV ENGINEERING COLLEGE, LUDHIANA**  
**Laboratories of Department of CSE & IT**

<b>S.No.</b>	<b>Name of Laboratory</b>	<b>Carpet Area Available (in Sq. Mtrs.)</b>
1.	Computer Networks Lab.	100
2.	Hardware Lab	100
3.	Operating system Lab.-I	100
4.	Operating system Lab.-II	100
5.	DBMS Lab.-I	50
6.	Project Lab.-I	150
7.	Project Lab.-II	150
8.	Research Lab.	50
9.	Software Lab.-I	69
10.	Software Lab.-II	84
11.	Web Development	96.75

**(1) Computer Networks Lab.**

**CARPET AREA AVAILABLE:** 100 sq. mtr.

**Computer facilities for the existing programmes**

<b>S No</b>	<b>Particulars</b>	<b>Description</b>
1.	No. of computer Terminals	22
2.	Hardware Specification IBM-Netvista,	P4 2.4GHz E54-15" color monitor, 256 MB RAM, 40 GB HDD, 48 X CD ROM, 1.44 MB FDD
3.	No. of terminals on LAN / WAN	22
4.	Relevant Legal Software- (System) (Application)	Windows XP Professional Windows NT Open Office 2.3
5.	Peripherals / Printers	2 - Dot Matrix printer (Epson LQ-1150) 1 - Scanner (HP G2410) 1 - UPS (5KVA APC) 1 - 24 Port Switch 1 - 24 port Jack panel
6.	Internet Accessibility (In Kbps, hrs)	10 Mbps, 8 Hrs

**(2) Hardware Lab.**

CARPET AREA AVAILABLE : 100 sq. mtr.

**Computer facilities for the existing programmes**

<b>S No</b>	<b>Particulars</b>	<b>Description</b>
1.	Equipment	(8) Microprocessor 8085Kits (4) Microprocessor 8086Kits (1) Digital Trainer Kit (1) Universal Gate Kit (1) Basic Gate Kit (1) JK Flip flop Kit (1) SR Flip Flop Kit (1) Modulus 4 Counter (6) Bread Board
2.	No. of computer Terminals	14
3.	Hardware Specification	P IV, 2.4 GHz, 40 GB HDD, 256 MB RAM, 1.44 MB FDD, 52x CD-ROM
4.	No. of terminals on LAN / WAN	14
5.	Relevant Legal Software (System) (Application)	WINDOWS XP Professional Open Office 2.3
6.	Peripherals / Printers	1 - Dot Matrix printer (Epson LQ-1150) 1 - UPS (3 KVA APC) 1 - 24 Port Switch 1 - 24 port Jack panel
7.	Internet Accessibility (In Kbps, hrs)	10 Mbps, 8 Hrs

### **(3) Operating System Lab .- I**

CARPET AREA AVAILABLE : 100 sq. mtr.

#### **Computer facilities for the existing programmes**

<b>S No</b>	<b>Particulars</b>	<b>Description</b>
1.	No. of computer Terminals	25
2.	Hardware Specification	HP Compaq DX 2080, Intel Core 2 Duo Desktop Processor E 4300 1.8 GHz, 160 GB 7200 rpm HDD, 1 GB DDR2 RAM, 1.44 MB FDD, Combo Drive
3.	No. of terminals on LAN / WAN	25
4.	Relevant Legal Software- (System) (Application)	Ubuntu 7.10 Open Office 2.3
5.	Peripherals / Printers	2 - Dot Matrix printer (Epson LQ-1150) 1 – Scanner (HP G2410) 1 - UPS (5 KVA APC) 1 - 24 Port Switch 1 - 24 port Jack panel
6.	Internet Accessibility (In Kbps, hrs)	10 Mbps, 8 Hrs

#### (4) Operating System Lab . - II

CARPET AREA AVAILABLE : 100 sq. mtr.

#### Computer facilities for the existing programmes

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S No	Particulars	Description
1.	No. of computer Terminals	25
2.	Hardware Specification	HP Compaq DX 2080, Intel Core 2 Duo Desktop Processor E 4300 1.8 GHz, 160 GB 7200 rpm HDD, 1 GB DDR2 RAM, 1.44 MB FDD, Combo Drive
3.	No. of terminals on LAN / WAN	25
4.	Relevant Legal Software- (System) (Application)	Ubuntu 7.10 Open Office 2.3
5.	Peripherals / Printers	2 - Dot Matrix printer (Epson LQ-1150) 1 - Scanner (HP G2410) 1 - UPS (5KVA APC) 1 - 24 Port Switch 1 - 24 port Jack panel
6.	Internet Accessibility (In Kbps, hrs)	10 Mbps, 8 Hrs

**(5) DBMS Lab. - I**

CARPET AREA AVAILABLE : 50 sq. mtr.

**Computer facilities for the existing programmes**

<b>S No</b>	<b>Particulars</b>	<b>Description</b>
1.	No. of computer Terminals	25
2.	Hardware Specification	HP Compaq DX 2280, Intel Pentium Dual Core E-2140 1.6 GHZ, 160 GB HDD, 1 GB RAM, 1.44 MB FDD, DVD Writer
3.	No. of terminals on LAN / WAN	25
4.	Relevant Legal Software- (System) (Application)	WINDOWS XP Professional Open Office 2.3, Oracle 11g
5.	Peripherals / Printers	2 - Dot Matrix printer (Epson LQ-5400, LQ-1150) 1 - Scanner (HP G2410) 2 - Smart UPS (3 KVA APC) 1 - 24 Port Switch 1 - 24 port Jack panel
6.	Internet Accessibility (In Kbps, hrs)	10 Mbps, 8 Hrs

**(6) Project Lab. – I**

CARPET AREA AVAILABLE : 150 sq. mtr.

**Computer facilities for the existing programmes**

<b>S No</b>	<b>Particulars</b>	<b>Description</b>
1.	No. of computer Terminals	25
2.	Hardware Specification	HP Compaq DX 7380, Intel Core 2 Duo 4300, 1.8 GHz, 160 GB 7200 rpm HDD, 1 GB RAM, 1.44 MB FDD, DVD Writer
3.	No. of terminals on LAN / WAN	25
4.	Relevant Legal Software- (System) (Application)	WINDOWS Vista Open Office 2.3, JAVA 2.0 WAMP 5.0, Dev C++
5.	Peripherals / Printers	1 - Dot Matrix printer (Epson LQ-1150) 1--Laserjet Printer (HP P1505n) 1 – Scanner (HP G2410) 1 - UPS (5 KVA APC) 1 - 24 Port Switch 1 - 24 port Jack panel
6.	Internet Accessibility (In Kbps, hrs)	10 Mbps, 8 Hrs

## (7) Project Lab.-II

CARPET AREA AVAILABLE : 150 sq. mtr.

### Computer facilities for the existing programmes

<b>S No</b>	<b>Particulars</b>	<b>Description</b>
1.	No. of computer Terminals	25
2.	Hardware Specification	HP Compaq DX 7380, Intel Core 2 Duo 4300, 1.8 GHz, 160 GB 7200 rpm HDD, 1 GB RAM, 1.44 MB FDD, DVD Writer
3.	No. of terminals on LAN / WAN	25
4.	Relevant Legal Software- (system) (Application)	WINDOWS Vista Open Office 2.3, JAVA WAMP 5.0
5.	Peripherals / Printers	1 - Dot Matrix printer (Epson LQ-1150) 1-Laserjet Printer (HP P1505n) 1 - Scanner (HP G2410) 1 - UPS (5 KVA APC) 1 - 24 Port Switch 1 - 24 port Jack panel
6.	Internet Accessibility (In Kbps, hrs)	10 Mbps, 8 Hrs

**(8) Research Lab.**

CARPET AREA AVAILABLE : 50 sq. mtr.

**Computer facilities for the existing programmes**

<b>S No</b>	<b>Particulars</b>	<b>Description</b>
1.	No. of computer Terminals	23
2.	Hardware Specification	HP Compaq DX 2280, Intel Pentium Dual Core E-2140 1.6 GHz, 160 GB HDD, 1 GB RAM, 1.44 MB FDD, DVD Writer, 43.2 cm TFT
3.	No. of terminals on LAN / WAN	23
4.	Relevant Legal Software- (System) (Application)	Windows Vista MATLAB 7.0, Oracle 11g, .NET Visual Studio, Open Office 2.3
5.	Peripherals / Printers	2 - Dot Matrix printer (WeP LQ 5400) 1 - Scanner (HP Scanjet G3010) 1 - UPS (3 KVA APC) 1 - 24 Port Switch 1 - 24 port Jack panel
6.	Internet Accessibility (In Kbps, hrs)	10 Mbps, 8 Hrs

**(9) Software Lab. - I**

CARPET AREA AVAILABLE : 69 Sq. Mtr.

**Computer facilities for the existing programmes**

<b>S No</b>	<b>Particulars</b>	<b>Description</b>
1.	No. of computer Terminals	24
2.	Hardware Specification	P IV, 2.4 GHz, 40 GB HDD, 256 MB RAM, 1.44 MB FDD, 52x CD-ROM
3.	No. of terminals on LAN / WAN	24
4.	Relevant Legal Software- (System) (Application)	WINDOWS XP Professional Open Office 2.3, Dev C++
5.	Peripherals etc.	2 - Dot Matrix printer (Epson LQ-1150) 1 - Scanner (HP G2410) 2 - UPS (APC 3 KVA) 1 - 24 Port Switch 1 - 24 Port Jack Panel
6.	Internet Accessibility (In Kbps, hrs)	10 Mbps, 8 Hrs.

**(10) Software Lab. - II**

CARPET AREA AVAILABLE : 84 sq. mtr.

**Computer facilities for the existing programmes**

<b>S No</b>	<b>Particulars</b>	<b>Description</b>
1.	No. of Computer Terminals	23
2.	Hardware Specification	P IV, 2.4 GHz, 40 GB HDD, 256 MB RAM, 1.44 MB FDD, 52x CD-ROM
3.	No. of terminals on LAN / WAN	23
4.	Relevant Legal Software -(System) (Application)	WINDOWS XP Professional Open Office 2.3, Dev C++
5.	Peripherals / Printers	2 - Dot Matrix printer (Epson LQ-1150) 1 - Scanner (HP G2410) 2 - UPS (APC 3 KVA) 1 - 24 Port Switch 1 - 24 Port Jack Panel
6.	Internet Accessibility (In Kbps, hrs)	10 Mbps, 8 Hrs

**(11) Web Development Lab.**

CARPET AREA AVAILABLE : 96.75 sq. mtr.

**Computer facilities for the existing programmes**

<b>S. No.</b>	<b>Particulars</b>	<b>Description</b>
1.	No. of computer Terminals	36
2.	Hardware Specification	P4 2.4 GHZ, 40GB HDD, 1.44MB FFD,52X CD-ROM, 256 MB RAM
3.	No. of terminals on LAN / WAN	36
4.	Relevant Legal Software- (System) (Application)	WINDOWS XP Professional IIS, Smart Draw, Open Office 2.3
5.	Peripherals / Printers	2 - Dot Matrix printer (Epson LQ-1150) 1 - Scanner (HP G2410) 2 - UPS (APC 3 KVA) 1 - 24 Port Switch 1 - 24 Port Jack Panel
6.	Internet Accessibility (In Kbps, hrs)	10 Mbps, 8 Hrs