

## **Department Laboratory Specification Details**

### **Laboratory– I (Database Programming Lab)**

<b>Computer Make</b>	<b>HP</b>
<b>Number of Computer</b>	25
<b>Operating System</b>	M S Windows 10 Pro. 64 bit
<b>CPU</b>	Intel Core i5-6500 3.2G 6M 2133 4C
<b>RAM</b>	8 GB DDR4-2133 DIMM
<b>Hard Disk</b>	1 TB
<b>Monitor</b>	HP 20 inch LED
<b>Key Board</b>	HP USB
<b>Mouse</b>	HP USB
<b>Area</b>	510 Sq. Feet

### **Laboratory– II (Advanced Programming Lab-1)**

<b>Computer Make</b>	<b>ACER</b>
<b>Number of Computer</b>	21
<b>Operating System</b>	M S Windows 10 Pro. 64 bit
<b>CPU</b>	Intel ® Core i5 -9400 CPU@ 2.90 GHz
<b>RAM</b>	8 GB
<b>Hard Disk</b>	1 TB
<b>Monitor</b>	LED 19.5 inch ACCER
<b>Key Board</b>	ACCER
<b>Mouse</b>	ACCER
<b>Area</b>	375 Sq. Feet

### **Laboratory– III (Research Lab)**

<b>Computer Make</b>	<b>Thin Client Smart Station</b>
<b>Number of Computer</b>	10 nos. Eira BIS (TC 1350)
<b>Operating System</b>	Server Base
<b>CPU</b>	TC 1350
<b>Monitor</b>	19.5 inch
<b>Key Board</b>	Logitech USB
<b>Mouse</b>	Logitech USB
<b>Area</b>	348 Sq. Feet

<b>Computer Make</b>	<b>ACER</b>
<b>Number of Computer</b>	7
<b>Operating System</b>	M S Windows 10 Pro. 64 bit
<b>CPU</b>	Intel ® Core i5 -9400 CPU@ 2.90 GHz
<b>RAM</b>	8 GB
<b>Hard Disk</b>	1 TB
<b>Monitor</b>	LED 19.5 inch ACCER
<b>Key Board</b>	ACER
<b>Mouse</b>	ACER
<b>Monitor</b>	HP 20 inch LED

<b>Key Board</b>	HP USB
<b>Mouse</b>	HP USB

<b>Computer Make</b>	<b>PARAM SAVAK SUPER COMPUTER</b>
<b>Number of Computer</b>	01
<b>Operating System</b>	RHEL
<b>CPU</b>	2 X Intel Xeon S-cable Processor with minimum 18 cores each of minimum 2.2 GHz. Clock speed with maximum capacity of 10.4 Tera flops
<b>RAM</b>	96 GB ECC (8 GB X 12) DDR 4 2400 MHz
<b>Hard Disk</b>	4 x 4 TB SATA 3.5" 7200 rpm with RAID controller 1 GB Cache
<b>Graphics</b>	Nvidia Quadro P400
<b>Network</b>	Two 1 GBE Network Port
	Accelerator 2X16 PCI – E Gen 3 slots for GPU/Co- Processors
	<ul style="list-style-type: none"> <li>- Accelerator 1XNVIDIA GP100, other built in Applicants ONAMA – A set of library for HPC in the Disciplines like Computer Science</li> <li>- CHReME An HPC Resource Management Engine</li> <li>- Intel Software Development Suite</li> </ul>
<b>Monitor</b>	Benq LED Monitor
<b>Key Board</b>	Logitech USB
<b>Mouse</b>	Logitech USB
<b>Area</b>	132 Sq. Feet

#### **Laboratory - IV (Computing Foundation Lab)**

<b>Computer Make</b>	<b>Thin Client Smart Station</b>
<b>Number of Computer</b>	22 nos. Eira BIS (TC 1350) + 24 nos. Smart 2350
<b>Operating System</b>	Server Base
<b>CPU</b>	TC 1350 + Smart 2350
<b>Monitor</b>	19.5 inch LG (22) + SAMSUNG (24)
<b>Key Board</b>	Logitech USB
<b>Mouse</b>	Logitech USB
<b>Area</b>	814 Sq. Feet

<b>Computer Make</b>	<b>i7 Intel Server (HP make)</b>
<b>Number of Computer</b>	02
<b>Operating System</b>	M S Windows 10 Pro. 64 bit
<b>CPU</b>	Intel® Core™ i7 10700 CPU @ 2.90 GHz
<b>RAM</b>	32 GB

<b>Hard Disk</b>	01 TB
<b>Monitor</b>	LED 19.5 inch (HP make)
<b>Key Board</b>	USB (HP make)
<b>Mouse</b>	USB (HP make)

#### **Laboratory- V (MODERN COMPUTER FACILITIES) (Advanced Computing)**

<b>Computer Make</b>	<b>HP</b>
<b>Number of Computer</b>	68
<b>Operating System</b>	Windows 7 Professional
<b>CPU</b>	Intel ® Core ™ i5 – 2400
<b>RAM</b>	4GB
<b>Hard Disk</b>	500 GB
<b>Monitor</b>	LCD
<b>Key Board</b>	HP USB
<b>Mouse</b>	HP USB
<b>Area</b>	1209 Sq. Feet

#### **Laboratory – VI (Linux & Advanced Programming Lab-2)**

<b>Computer Make</b>	<b>HP</b>
<b>Number of Computer</b>	30
<b>Operating System</b>	UBUNTU 18.04.2 LTS 64 bit
<b>CPU</b>	Intel ® Core TM i5 – 6400 @ 2.70 GHz x4
<b>RAM</b>	8 GB
<b>Hard Disk</b>	1 TB
<b>Monitor</b>	LCD
<b>Key Board</b>	Logitech USB
<b>Mouse</b>	Logitech USB
<b>Area</b>	648 Sq. Feet