**HARDWARE PROJECT-CENTRE FACILITIES REQUIRED**

1. Total Carpet Area: 1000 Sqft
2. Minimum 250 sq. ft or Classroom which can accommodate 20 students or more.
3. Minimum 200 sq.ft or Computer Lab which can accommodate minimum of 10 working computers with enough seating capacity
4. Split Area (Others)

Networking Lab : 200 Sq ft Reception Desk & Counselling Area: 100 sq ft Office Room : 100 sq ft

Staff Room & Pantry : 150 Sq ft

1. Separate Toilet facilities with running water for boys and girls.
2. Library with at least 3 books on each subject being taught.
3. Minimum 10 working computers with hardware specifications sufficient to run all are included in the curriculum. (Additional Computers at the rate of 1 per 10 students beyond 100 students’ mark.)

1.4 GHz 64-bit processor  4 GB RAM  500 GB Hard Disk  Monitor  Keyboard, Mouse  Gigabit Ethernet Adapter  DVD drive (optional) 

1. Other minimum requirements are as given below

Network Switch (16/24 Port)  Tool Kit (3)  Cable Checker (2) Crimping Tool (3)

1. Course wise minimum hardware and software lab requirements are as follows:

**PGDIMS:**

**DIIMS:**

2 CISCO Routers with WIC-1T/WIC-2T serial module  2 CISCO L2 & L3 Switches 

CISCO ASA Firewall, CISCO Wireless Devices  CISCO Packet Tracer Software / GNS3 Software Microsoft Windows Server 2016 OS Image  Microsoft Window s 10 OS Image 

Red Hat Enterprise Linux Server 8 OS Image 

2 CISCO Routers with WIC-1T/WIC-2T Serial Module  2 CISCO L2 & L3 Switches 

CISCO Packet Tracer Software / GNS3 Software  Microsoft Windows Server 2016 OS Image  Microsoft Windows 10 OS Image 

**DSAN:**

2 CISCO Routers with WIC-1T/WIC-2T Serial Module  2 CISCO L2 & L3 Switches  CISCO Packet Tracer Software / GNS3 Software  Microsoft Windows Server 2016 OS Image Microsoft Windows 10 OS Image  Red Hat Enterprise Linux Server 8 OS Image 

**CSMS (MCSE):**

Microsoft Windows Server 2016 OS Image  Microsoft Windows 10 OS Image

**CSMS (RHCE):**

Red Hat Enterprise Linux Server 8 OS Image 

**CIMS:**

**DHNE:**

**DCHM:**

**CCLS:**

**CMPSM:**

**CCTV:**

2 CISCO Routers with WIC-1T/WIC-2T Serial Module  2 CISCO L2 & L3 Switches  CISCO Packet Tracer Software / GNS3 Software 

Analog and Digital Multimeter  Desktop & Laptop PCs for Troubleshooting  Printers and Scanners for Troubleshooting  Microsoft Windows Server 2016 OS Image Microsoft Windows 10/8.1/7 OS Images  Red Hat Enterprise Linux Server 8 OS Image Ubuntu Linux OS Image 

Analog and Digital Multimeter  Desktop PCs for Troubleshooting  Microsoft Windows 10/8.1/7 OS Images  Ubuntu Linux OS Image 

Analog and Digital Multimeter  Different Types of Laptop PC Brands 

Required Components for Troubleshooting  Required Software, Tools & Equipment  Windows 10/8.1/7 & Linux OS Images  Healthy Environment for Laptop Repairing 

Analog and Digital Multimeter  Different Types of Mobile Phone Brands  Required Components for Troubleshooting  Required Software, Tools & Equipment  Healthy Environment for Mobile Phone Repairing 

Different Types of Cameras (Dome, Bullet, etc.)

Different Types of DVRs (4CH, 8CH, 16CH & 32CH)  Different Types of Power Supply (12V DC & 24V AC)  Different Types of Cables, BNC Connectors & Jacks  Required Software, Tools & Equipment for Installation 

**AOC:**

Desktop PCs and Required Computer Input & Output Devices Microsoft Windows 10/8.1/7 & Linux OS Images

MS Office Suite 2019 Apache OpenOffice

Tally, Peachtree, QuickBooks

1. Printer and Scanner – Minimum one each. For more than 100 students, 1 more each/every 100 students.
2. “Unlimited” Internet Broadband connection.
3. Notice board.
4. Web camera and facilities or video conferencing.
5. Sufficient number of qualified staff.

***Note:***

01) Minimum 1500 sq ft required to conduct two projects. 02) Minimum 2000 sq ft required to conduct three projects.

03) Minimum 2500 sq ft required to conduct all projects. 04) All ATC Registration will be on 1st April to 31st March next year.

1) ATCs require at least 10 computers (With the latest configurations) to manage one project. 2) At least 15 computers (With the latest configurations) are required for ATCs managing two projects. 3) ATCs which manage three projects require at least 20 computers (With the latest configurations).