

Additional information computing facility

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IT facilities and computer availability for students

Computing facilities (hardware and software)

The college has well equipped infrastructure in terms of hardware and software facilities to use ICT solutions in pharmacy. The details of IT infrastructure are given as under;

- a) No. of systems with individual configurations: 70
- b) Computer-student ratio: 1:10
- c) LAN facility: Yes (BSNL Broad band connection – 20 mbps)
- d) Wi-Fi facility: Yes
- e) Proprietary software: Yes, Windows xp, Win7, Microsoft Office
- f) No. of nodes / Computers with internet facility: 95

Network management system

The entire college is connected through Single Mode Optical Fibre Cable (both Underground and Aerial) and a robust architecture which is futuristic in nature. The hub of the network is the computer Centre which houses Server Farm having over 70 high end servers including 38 Blade Servers. To manage and to ensure smooth functioning of such vast network, a customised Network Management Systems (NMS) has been installed. The Institute provides technological and information resources to staff and students. Technological and information resources are accessed and utilized in an ethical manner. All users of technological and information resources adhere to high moral, legal, and professional standards. The institution acknowledges its responsibility to all faculty, staff, and students to provide a safe and healthy technical environment for work and study.

Information Security

1. All computers and the information they contain are effectively protected, as computers are vulnerable to theft and unauthorized access. They require physical security to safeguard their contents.
2. Portable or laptop computers shall not be left unattended in public places. It will be the sole responsibility of the user for security and protection from unauthorized handling.
3. Hard copy or soft copy information left unattended in open office environments is vulnerable to unauthorized access, malicious and accidental damage and natural disasters.
4. GCOPA staff shall not take computer and network hardware or software to home without written authorization by the Principal.

Network Security

1. To maximize the usability of workstations within its network, IT management standardizes hardware configuration, for memory, display, processor, disc, operating system (OS) and application software for common tasks and office services.
2. The network architecture is established in such a way as to contain local traffic in discrete LAN configuration, utilizing LAN bridges and switches to manage traffic over the network.
3. While network versions of software are employed wherever possible, commonly used applications are distributed to and loaded on the individual workstations, to minimize load on the network.
4. A corporate wide set of standards are established for consistent identification of users, workstations and other network objects. (first alphabet of name)

5. The network operating system is supplemented by a standardized antivirus mechanism and a configuration management tool to control both hardware and software configurations.
6. Every workstation in GCOPA (except in extreme situations of virus infections) is connected to the GCOPA LAN.
7. Environmental controls for Server Room and backup equipment shall be properly monitored to identify adverse conditions and enable prompt corrective action.

Risk Management

1. All computerized files in GCOPA are to be saved in the respective User's folder or Shared folder.
2. A system backup shall be performed before and after major changes to the operating system, network configuration, system software, or applications, at the discretion of the Network Administrator and IT Support management.
3. Backup media are to be held in a location that provides adequate physical security to limit access to authorized personnel only.
4. In case of any technical support required regarding the computer system, users call the assistant assigned at IT department for their technical issues on the respective support system of the institute.

Software Asset Management

According to the requirement raised by institute / due date of the license renewal, Quotations are invited from various vendors and a comparison chart is prepared for the same. After negotiation and without compromising on the service, the vendor who has quoted the lowest price is selected for hiring the service. The quotation recommended by system administrator is forwarded to the computer section for verification and approval. After the quotation is approved from computer section officer, it is forwarded to the store officer for final approval. After the approval of quotation from the store officer, a purchase order is raised in the name of the approved vendor stating the next validity period, terms and conditions and the amount for the same. Prior to raising the PO for license renewal the computer department provides the Accounts Department with the budgetary details which gives an insight of expenditure and make fund provisions according to the payment terms mentioned in the P.O. The Purchase Order (PO) is issued by computer department and has the signature of computer section officer and store officer as the signing authority. The necessary information is provided by the requisition to enable the computer department to generate a PO. The Requisition is not to be used to place orders.

Maintaining Records, Disposal/ Donation

The records pertaining to IT stores are maintained by computer department. Maintenance of IT infrastructure is taken care by the computer department which is common for the entire campus. The department has qualified technical team for maintaining computer and networking facilities. The department provides the following services:

- Uninterrupted Power Supply (UPS) in labs and Server room
- Maintenance of Servers
- Network and Switches

The following records need to be maintained by IT department;

- i. Existing Asset / Dead Stock Register one each for college and projects
- ii. Existing stock register for consumables/ nonconsumables and assets
- iii. Existing inventories of IT resources available

Green Computing

GCOPA is keen on having green environment; this is maintained efficiently by controlling the power consumption. Our onus is to make use of Screen savers, LCD monitors, flat screen digital TVs and to dispose all IT wastes by repurposing an existing computer or appropriately disposing of, or recycling, unwanted electronic equipment.

Number of systems and their individual configurations

Place / Department	No. of Computers	Make	Hard Disk in Gb	RAM	Mother Board
Office	2	Acer	160	1 Gb	Pentium R Dual - Core CPU E5200 @ 2.50 GHZ
Office	1	HP	500	2 Gb	Intel R Pentium R CPU G620, 2.60 GHZ
Computer	10	HCL	500	2 Gb	Intel PIV 2.66 GHz ,256/512 MB RAM, 1 GB RAM,80 GB HDD, Logitech K/B & Mouse, Samsung Monitor
Staff	5	Lenovo	500	4 Gb	Thincentre Lenovo 3492 Core I3-3210/3rd Gen/2 GB DDR3 RAM,500GB HDD/DVD RW LED Monitor
Staff	5	HP	500	2 Gb	HP 202 G2 MT Intel Core I5-4570T 2.9G 4M HD 460 CPU 4GB DDR3 RAM 500GB HDD USB KYBD/Mouse LED Monitor
Computer	1	Wipro	500	2 Gb	Wipro Laptop computer with antivirus Pentium 740.1.73 with 40 GB HDD with 256 pen drive and Window XP
Computer	5	Dell	500	4 Gb	Computer mid range PC with Core2 Deo Dell With windows optiplex series 755 with 17 inch tft LCD monitors
Staff	3	Dell	500	4 Gb	Notebook Computer Intel Centrino Based Make Dell E Series with Additional memory 667 MHZ DDR2 Memory 1 GB
Computer	10	HP	500	2 Gb	All in one Intel processor and window

All dedicated computing facilities- 70

Printers and scanners: 10

LAN facility- Available

Wi-Fi facility - Bharat Sanchar Nigam Limited (BSNL) (Internet Leased Line (1:1): 100 Mbps)

Number of systems with individual configurations – 70

Proprietary software – GCOPA has various licensed system application software

List of dead stock with serial number

Dead stock no.	Installation Place	Purchase Date	Serial No. & Model
520	Office	11/DTE/RC/PHARMA-A/2011-12/181 Dated 10/02/2012	RICOH DIGITAL COPIER A3RICOH INDIA LTD, NEW DELHI
521	Computer	11/DTE/RC/2011-12/103 Dated 21/01/2012	HIGH END INTEL PROCESSORLENOVA
513	Computer	11/DTE/RC COMP/64/2011-12/64 Dated 10/08/2011	ALL IN ONE INTEL PROCESSOR AND WINDOWPACE BUSSINES MACHINE
528	Computer	GCOPA/2012-13/30 dtd. 15/03/2013	MATLAB & OTHER TOOL BOXESMATLAB
522	Computer	11/DTE/RC/LAPTOP/2012-13/01 Dated 25/06/2012	Laptop Intel with windows LENOVA
527	Computer	GCOPA/2012-13/72 dtd. 18/12/2013	Intel Desktop Make & Model HP Compact 6200 Pro sfpc HP
529	Computer	GCOPA/2013-14/92 dtd. 21/11/2013	RICHO MUTI MEDIA PROJECTORRICOH INDIA LTD, NEW DELHI
524	Instrument	GCOPA/2012-13/1066/ dtd 14/9/12	Camera Optical Sony 30X optical Zoom 18 MP Sony
-	Computer	GCOPA/STORE/2016-17/340 Dt 29/03/2017	Multimedia Projector RICOH PJS-2340
-	Exam	GCOPA/STORE/2016-17/321Dt 28/03/2017	Laser printerHP-132FW
-	Analysis	GCOPA/STORE/2016-17/356 Dt 01/04/2017	Multifunction printer RICOH MP-2014
-	Gymkhana	GCOPA/STORE/2017-18/142 Dt 12/02/2018	AHUJA-PA Lecture system (Podium)WSL-2500
-	Gymkhana	GEMC-511687772204503 Dt 12/02/2018	HP Laserjet HP Pro M1136
-	Pharm chem.	GEMC-511687772204503 Dt 12/02/2018	HP Laserjet HP Pro M1136



Principal
Govt. Pharmacy College,
Amravati.

List of licensed system software

Sr. No.	Name of the Software	Comments
1	MS office 2003 Standard	Used for Client Desktop
2	HCL Infinity Global Line Server Sr. No. 400PAJ037445, HCL Nodes Sr No. 400 PAA035316, 17,18,19	Used for Servers Ex.DC,ADC,SCCM,TMG
3	Microsoft Windows 07	Used for Client Desktop
4	Forti OS	Used For Firewall Server
5	Software with documentation CDAC ISM OFFICE educational software	Used for Client Desktop
6	APS Bilingual Software Single user CD	Used for Client Desktop
7	Software Adobe Acrobat	Used for Client Desktop
8	MS Office 2007	Used for Client Desktop
9	MATLAB soft	Used for education and research

List of licensed application software

Sr. No.	Name of the Software	Comments
1	Quick Heal Internet Security	Used for five users
2	V lite MDS	Expired in 2017, renewal process ongoing
3	Microsoft Office	Includes word, excel, PowerPoint etc.
4	Windows XP	Window operating software
5	UV SPECTROPHOTOMETER	UV WIN, Win aspect PWS
6	HPLC	Open lab software. Data ACE Work strategy, Empower 2
7	FTIR	Opus

List of freeware application software

Sr. No.	Name of the Software	Comments
1	Expharm & other Simulator	Freeware for pharmacology students
2	Acrobat Reader	Pdf freeware version
3	7-Zip	For Zip files Open Source
4	VLC Player	For Playing media files. Open Source
5	JAVA	Java supporting website. Freeware

List of printers and scanners

Sr. No.	Make	Quantity
1	Digital Copier printer Size AV Ricoh Make	1
2	Multipurpose Printer Samsung SCX 4828 FN	1
3	PSC Printer Canon MPS 190	1
4	Cannon Laser jet printer LBP3200	1
5	Laser printer HP-132FW	1
6	Multifunction printer RICOH MP-2014	1
7	HP Laserjet Pro M1136	4