

XV. INFORMATION ON INFRASTRUCTURE AND OTHER RESOURCES AVAILABLE

LIBRARY: ENCLOSURE-02

Number of Library books/Titles/Journals available (programme-wise) 2188

List of online National/International Journals subscribed. 36

E-Library facilities YES

**DEPARTMENTAL LIBRARY:**

<b>Numbers available in the department</b>				
<b>Books</b>	<b>Journals</b>		<b>CDs, VCDs, Multimedia</b>	<b>Any Other, Please specify</b>
	<b>National</b>	<b>International</b>		
<b>5534</b>	<b>20</b>	<b>15</b>	<b>YES</b>	<b>Barcode, Internet facility and Heli net</b>

# Library

## Library Referring Area



Name of the Department	Total No. of Journals- 34 + 45	
	Total no Of books	No of Journals Subscribed
Pharmaceutics	1509	04
Pharmacology	885	03
Pharmacognosy	386	06
Pharmaceutical Chemistry (A)	1126	04
Pharm Analysis (B)	302	--
Pharmacy Practice	210	04
Pharma Biotechnology	346	03
E Journals -		45

**DIGITAL LIBRARY  
K.L.E.SOCIETY'S COLLEGE OF PHARMACY BELGAUM**

**A Report**

A number of general news services are providing information related to research in the health sciences on a regular basis. It is conceivable that in the near future the patients will comfort the physician with latest literature available on the Internet it is absolutely essential and probably inevitable that the clinician will have to adopt the practice of EBM out of compulsions imposed by patient's expectations. This is all the more relevant in this era of Consumer Redressal Forums with medical and health care services being included under the preview of the Consumer Protection Act. In our own context, the Internet accessibility to all the towns and cities of India is a reality of the times. This has brought the web –based resources to the “**VIRTUAL**” doorsteps of the users databases Among the resources that are available electronically online are medical These include free for subscription database like Medline as well as subscription database s that provide medical literature in full text format. Further, most of the reputed medical journals as well as textbooks that are recommended by the medical Council of India for postgraduate courses are now being made available in electronic version online through the Internet. The online electronic medical databases have additional advantages to the user. All these data resources have search engines that help the user to locate any given citation based on subject of research, author, year of publication, type of study, year of publication etc. Some of the medical databases-**COCHRANE** Collaboration also provide systematic scientific critique of the published literature and are available in electronic version online only.

In order to encourage the practice of Evidence based Medicine, J.N.Medical College and K.L.E.Society's College of Pharmacy has commissioned an unique **Digital Library**, the **first of it's kind in medical institution in India**, for accessing the various electronic resources by its Faculty Members and Students. The Digital Library has been provided with dedicated leased-line Internet access with 100 Mbps and a number of medical Databases have been subscribed for the benefit of the users.

One of the key components of the practice of evidence – based medicine is fast access to online medical databases. In order to meet the requirements of the faculty and students for practicing evidence based medicine on a day to day basis, the college has established the Digital Library with 64 Kbps leased line internet access and 29 terminals for browsing the medical literature.

The Digital Library has specious air-conditioned hall with uninterrupted power supply through out the day. The Digital Library is connected with 64 Kbps-leased lines like taken from

DOT Belgaum. It is routed by 2600 CISCO Router. The leased line is connected with ASM 31 modem on each end. The Server is P III 8000 MHz with 256 MB RAM, Runs on window NT the other 29 systems are celeron 600 MHz with 64 MB RAM on windows 98 second edition, The proxy we are using is MS proxy 3.0 We have got 16 dedicated IP's on which we have subscribed the Medical Journals and Databases. Digital Library has subscribed for the MD Consult Medical Databases. Beside this the routine browsing for E-Mail facility and word processor and power Point for repairing presentation of the papers etc.is provided. The MD Consult is providing more that 52 of the worlds best medical journals and clinics, over 35 renowned references books, Over 600 practice guidelines, Nearly 3,000 customisable patient education handouts and Drug information for more than 30,000 medications. The student can take print outs of the abstracts and full text journal articles. The Digital Library in other hand educate and makes familiar to students about how to use the computer and search the relevant articles to make the paper or thesis's more informative and effective. Digital Library helps to search and retrieve the literature pertaining to the clinical condition that needs to be resolved in the shortest time possible in an efficient manner. Digital Library is the gateway for information Technology. The student can even ask queries to the Doctor's who are online they get the feedback instantly.

#### **Facilities Offered by Digital Library**

1. Communication through E-mail, Chat, Voice Message, Voice mail.
2. Browsing of World Wide Web.
3. Online Journals, which the college is subscribed.
4. Reference Books online.
5. Journal Search
6. Practice Guidelines.
7. Patients Eduction.
8. Drug Information.

LABORATORY: ENCLOSURE-03

For each Laboratory

List of Major Equipment/Facilities

List of Experimental Setup

#### **Major Equipments in Dept. of Pharmaceutics**

- Rimek mini press 10 Stn. 16/3, FBE Punches
- Freeze Dryer (Lyophiliser)
- Programmable Table Dissolution Tester Model, TDT - OCP
- Karl Fischer Titrater
- Brookfields Rheometer
- Refrigerated Centrifuge
- **Kalvika Equipment with Accessories**
- Jasco Double beam UV-Visible Spectrophotometer Model V-530PC
- Electronic Analytical Balance Model 128 (Afco Set)
- HPLC LDC/ Miltonroy
- Stability Testing chamber
- Zeta meter

#### **Major Equipments in Dept. of Pharmacology**

- Non-invasive rat BP apparatus
- Research kymograph
- Digital plethysmometer
- Biopack data acquisition system (16 channels)
- Biopack data acquisition system (04 channels)
- Autoanalyser [Cholesterol, SGPT, SGOT etc...]
- Glucometer
- Facility for antibacterial testing
- Microcentrifuge [10000 rpm]
- Digital Balance
- Electrophoresis vertical/horizontal
- Physiograph
- Feeding Analyser
- Elisa plate reader

#### **Major Equipments in Dept. of Pharmaceutical Chemistry**

- Silicon Graphics work station
- High Performance Liquid Chromatography (HPLC) –02 Nos
- FTIR
- Flame Photometer
- Shimadzu UV/Spectrophotometer – 04 Nos
- Calorimeters
- pH Meters
- Heating and cooling circulating system
- Rota Evaporator
- Differential Scanning Calorimeter
- Flash Chromatography
- Karl fisher's Titrator

**Major Equipments in Dept. of Pharmacognosy**

- PC based Digital Imaging system
- CO2 Incubator,
- High Performance Thin Layer Chromatography,
- Deep Freezer
- Refrigerated Centrifuge
- Flash Evaporator
- Gas chromatography

**Major Equipments in Dept. of Pharmaceutical Biotechnology**

- Fermentation Unit (bioreactor)
- Gel Electrophoresis (Horizontal & Vertical )
- Refrigerated Centrifuge
- P C based Digital imaging system
- Freeze drier
- Deep freezer,
- Laminar flow bench
- Orbital Shaker incubator
- PCR
- Trans illuminator (UV and visible)
- BOD Incubator
- CO2 incubator

**COMPUTING FACILITIES:**

Number and Configuration of Systems	110
Total number of systems connected by LAN	60
Total number of systems connected to WAN NA	
Internet bandwidth	200mbps
Major software packages available	05
Special purpose facilities available	03

**WORKSHOP:**

	List of facilities available.		
	Games and Sports Facilities	Outdoor and Indoor stadium	
activities	Extra Curriculum Activities	Regularly conducts	the
	Soft Skill Development Facilities		
sqmt	Number of Classrooms and size of each	06 Nos	70
sqmt	Number of Tutorial rooms and size of each	04 Nos	36
sqmt	Number of laboratories and size of each	23	Nos
		2740.25	
	Number of drawing halls and size of each	NA	
	Number of Computer Centres with capacity of each	01 - 40	