

Infrastructure and Use of Information Communication Technology in University Library of Hemchandracharya North Gujarat University, Patan.

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Abstract

The Article is in Reference to ICT provided by Hemchandracharya North Gujarat University Library. What kinds of Sources are there for Services till what extent and how do users take their benefits. What is the contribution of ICT in the Development of library? Above mentioned facts have been discussed here.

Keyword : *ICT, University Library, Users, E-Resources, ICT Source*

Introduction:

Today Information Technology has entered in every field. Computer has become a necessity from small shops to big Companies and it has led to Changes in services. Libraries are main centers and Sources for availability of information. Therefore use of ICT is an inevitable fact for Libraries. H.N.G U. Library is also not lagging behind in ICT services. Automation has been adopted in libraries. Modern model SOUL 2.0 , developed through INFLIBNET for Automation is used. E-Journals is also purchased in The Library is affiliated with Institutes like Inflibnet, Delnet, U.G.C Infonet, British library etc. so that Students can use E- Journals and E- books of these institutes at free Cost and free value.

History:

Hemchandracharya North Gujarat University Library has been established in 1988. Today is spread across 2486.49 Sq. meters. It's a modern building with many Sections like Stack Room, Reference Room, Large Reading Room, Technical Section, Xerox, Bhogilal Sadesara Collection etc. Many activities have been undergoing here till today since its beginning in which Students and teachers exchange their experiences through seminars, lectures, User education Programmer and Bhdhwariya. And also new Subjects are thought over. Now a reading Seminar has started which is organized in library once in a week.

Aims and Objectives of Study:

- To study the basic ICT infrastructure that has development in the Hemchandracharya North Gujarat University library.
- To study the various areas of library operations and services those performed using the ICT in University library.
- To identify the various factors those promote or hinder the development and use of ICT in University Library.
- To provide suggestions to improve the ICT based infrastructure, operations and services in university Library.

Methodology:

The present study is survey, questionnaire and observation methods for Collection of data. The university website has been used to collect data for the study.

Communication facilities

Sr. No.	Communication Tools	% of Libraries
1	Library Phone	2 (100%)
2	Library FAX	1 (100%)
3	Library on University website	1 (100%)
4	Library Website	1 (100%)
5	Library E-Mail Address	1 (100%)

Facilities like Phone, Fax are essential in modern world E-mail is Considered a quick medium for Communication. Institute provides its services and activities to the society through its website many instruments of ICT can be seen in the University library.

Collection of Information source

Sr. No.	Type of Collection	Total Collection
1	Books	66844 February, 2013
2	Ph. D Thesis	1060 February, 2013
3	Dissertation	964 February, 2013
4	Print Current Periodicals (Subscribe)	108
5	Print Current Periodicals (gift)	70
6	E- Journals	10
7	Non Print Materials (C.D, D.V.D, Audio/Video cassettes)	1500
8	Periodicals bind Volumes	2336

Library is distinguished for its collection of books There are 66844 books, 1000 Encyclopedia and Dictionaries or Various Subjects, 1060 Ph.D Theses, 964 M.fil , M. ed. Dissertation, 108 Current periodicals , 1500 Audio- video cassettes and 2336 periodicals available for Users in good frames. And there are 5000 books which are prosperous with

subject like Sanskrit, prakrit, and History gifted by Bhogilal Sandesara. Moreover Cybercafé, E- journals are available free of cost for users.

Hardware

Sr. No.	Hardware Available	Working
1	Total Personal Computers	18
2	Servers	1
3	Printer	3
4	Scanners	1
5	Modem	1
6	Barcode printer	1
7	Barcode Readers	1
8	Speakers	2
9	Telephone with STD	2
10	Telephone Intercom	9
11	Stabilizers	1
12	FAX	1
13	TV	1
14	VCR	1
15	Projector	1
16	Micro film reader	
17	CVT	4
18	Photocopy Machine	1
19	Air Conditioner	2
20	CCTV Camera	9
Total		

Computer and parts connected with it are essential for ICT services. Instruments of 20 types are available in library for ICT services for services in library Automation is done by SOUL 2.0 Software. Barcode Scanner is also available. Institute is equipped with CCTV Cameras' for sections in the library are Connected through LAN.

Library Software

Software	Available	Use
SOUL 2.0	1	1

Software Contribution of is very important in library Automation. Library uses SOUL 2.0 Software, Developed by INFLIBNET.

Infrastructure of Library Network

LAN	Internet	Connectivity Type	Speed	Year of Commencement	Network Membership	Consortium Membership
1	1	VSAT	100mbps	2002	INFLIBNET DELNET	INFLIBNET DELNET BRITIS LIBRARY

Contribution of Network is important in library Services LAN and Internet play vital role in exchanging information LAN is an important medium for various sections of Library and information. All the Department and library of H.N.G.U. are connected with internet since 2002. I.T provides Internet services through cable with 100 mbps speed Automation 2.0 software library holds the membership of institutes like INFLIBNET, Delnet, it holds the consortium membership of institutes like INFLIBNET, U.G.C. Info net , Delnet and British Library .

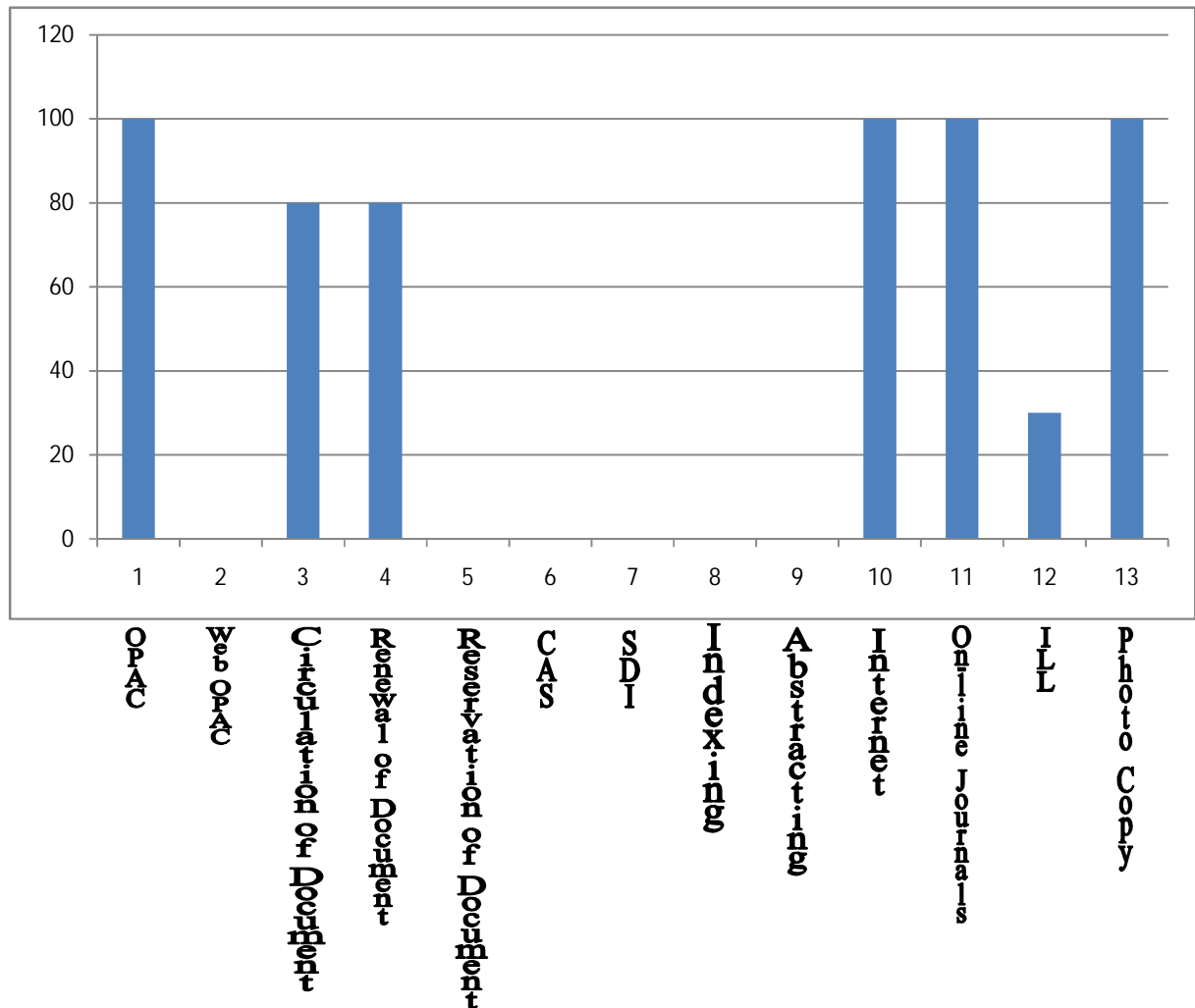
Use of Computers in University Libraries

Availability of Computers	Nos. Computers
Total Computers in Libraries	19 (100%)
Total Computer in Working condition	18 (94.74%)
Total Computer in Non-Working condition	1 (5.26%)
Computers with internet	12 (63.16%)
Computers with internet Available for users	6 (31.58%)
Computers Without Internet Available for users	3 (15.79%)
Computers with internet use by Library Staff	6 (31.58%)
Computers Without Internet used by Library Staff	3 (15.79%)

University Libraries use of Computer mainly for Data entry, Circulation, OPAC, User card, and Internet facility. The Internet facility is Available in 63.16% Computer. Only 31.58% Computer with internet facility are available to users. 47.37% (31.58% + 15.79%) are used by the library staff for library operations.

Library Services through ICT

Main aim of ICT is to provide quick and good services to users. These services are provided through ICT fully. While 80% services of circulation sections are provided through ICT in CAS Services, Online Services are provided 40% by ICT. E- mail Telephone and photocopy services are provided to those institutes which are connected with University library for Inter Library Loan.



Training to Staff for ICT

Trainer Agency	No. of Trained Staff
INFLIBNET Ahmedabad	9 (50%)

Total 18 employers staff is active for various services in University library out of them 9(nine) persons are connected with technical work. They are well trained in Computer and Software for training of INFLIBNET had twice organized.

Conclusion:

Main aim of ICT is to provided quick and good services to the consumers in library services like circulation, OPAC, Photo Copy and online journals are available through ICT. Here there is cyber Café also. New arrival services are provided for Students and Staff. Inter Library loan service provides E-Mail of scanned documents. Thing most of facilities are

available in library for ICT services. But there are no enough computers in cyber café Automation of periodical section is very necessary. There must be 100% automation in Circulation.

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