

Digital Library Service and Facilities in Karnataka State University Libraries: A Study

By

Narasappa K.C

Librarian

Govt., First Grade College, Bhatkal, Uttara Kannada(D),

narasappakc25@gmail.com

and

Dr. P Dharani Kumar

Assistant Professor

Dept. of Library and information Science, Kuvempu University, Shivmogga, Karnataka

dr.dharanikumarp@gmail.com

Abstract

The present study makes an attempt to know the various facilities and services which are essential to the users and researchers in the University Libraries in Karnataka State. Data was collected using a structured questionnaire and follow up interviews with librarians revealed that the E-journals are the most available E-resources and digitations activity with setting lab is found in many of these libraries All these Karnataka State University Libraries have a preference of both print and electronic resources for their collection development strategy.

Keywords: Digital Library services and facilities, Automation Software, E- Resources.

Introduction

Universities are the higher education institutions. As the serve as research centers they have become institutions where knowledge is discovered, scientific manpower is produced the higher education. Karnataka states Universities have oldest universities in India and they have commitment to competitive, professional quality and academic excellence in higher Education and Research Development in emerging areas. They serve as natural home of research and contribute significantly to innovation and technical change and training grounds for research scholars and provide basic methodology in specialized fields. They impart application oriented

skills with international standards and meet the challenges of global scenario in innovative, professional job oriented courses.

In the changing information environment the communication technologies have improved the facilities and services of the libraries. Majority of the publications is available in the electronic form. These universities provide a platform for enhanced research interaction. University Library is one of the integrated parts of their respective universities and because of the advancement in technologies they are playing a vital role in disseminating the information to the dynamic needs of the user community in Karnataka state. The present study is an attempt to assess and report the way in which the information communication ethnology use digital facilities in university libraries in Karnataka.

Need for the study

Karnataka state has a large number of universities of both technical as well as non-technical streams.

Scope of the study

The scope of the study is focused on Karnataka state Universities established under Karnataka state public library act 1965.

1. Karnataka university, Dharwad ;1962
2. University of Agriculture, Bangalore; 1964
3. Mysore University, Mysore; 1965
4. Bangalore University, Bangalore;1974
5. Gulberga University, Gulberga; 1980
6. Mangalore University, Mangalore;1982
7. Kuvempu University, Shivamoga;1993
8. Davengere University,Davenagere; 1997
9. Visveswaraiah Tehnological University, Belgaum;1998
10. Tumkur University, Tumkur;2004

Methodology

The data was collected from the university librarians of Karnataka state Universities libraries using questionnaire method. Data obtained from the ICT infrastructure availability and digital library Development.

Data Interpretation and analysis

Detailed questionnaire was sent to all the ten state university libraries and also visited to these University libraries to get their ICT infrastructure and feedback.

All the Karnataka State University Libraries are automated. Table no. 1 shows the most of the (60%) Libraries are using Koha, followed by (20%) University libraries are using Libsys and then (20%) Libraries are using Soul automation software to automate their library services.

Table 1: Automation states in Karnataka State Universities

SL. No	Name of the Universities	Automation Software	Extent of Automation of Library Sections				RFID/ Barcode
			Acquisition	Cataloguing	Circulation	Serial control	
1	Karnataka university, Dharwad	koha	FA	FA	FA	PA	NO
2	University of Agriculture, Bangalore	Koha	FA	FA	FA	PA	Barcode
3	Mysore University, Mysore	Koha	FA	FA	FA	FA	Barcode
4	Bangalore University, Bangalore	Koha	FA	FA	FA	FA	Barcode
5	Gulberga University, Gulberga	Koha	FA	FA	FA	PA	Barcode
6	Mangalore University, Mangalore	Libsys	FA	FA	FA	PA	Barcode
7	Kuvempu University, Shivamoga	Soul	PA	FA	FA	PA	No
8	Davengere University, Davenagere	Soul	NA	PA	PA	NA	NO
9	Visveswaraiah Tehnological University, Belgaum	Libsys	FA	FA	FA	FA	Barcode
10	Tumkur University, Tumkur	Koha	NA	PA	PA	NA	No

PA – Fully Automated, PA Partially Automated, and N.A-at all automated

Extent of automation of their library sections also revealed that a Cataloguing and Circulation sections are highly (80%), followed by (70%) of acquisition section and only (30%) serial control sections are fully automated. Serial Control section is one of the lowest (50%) partially automated. Serial Control section (20%) is not automated. Barcode technology (60%) used in Karnataka State Universities.

Table No 2, Digital Library Facility available in Karnataka State Universities

Sl.No	Name of the University	Digitization Lab(Y)	IR Initiative	Digitization Activities	Shodhganga (Y)	Cloud Computing(Y)
1	Karnataka university, Dharwad	Y	Y	Y	Y	N
2	University of Agriculture, Bangalore	Y	N	Y	Y	N
3	Mysore University, Mysore	Y	Y	Y	Y	N
4	Bangalore University, Bangalore	Y	Y	Y	Y	N
5	Gulberga University, Gulberga	Y	Y	Y	Y	N
6	Mangalore University, Mangalore	Y	N	Y	y	N
7	Kuvempu University, Shivamoga	y	N	y	y	N
8	Davengere University, Davenagere	N	N	N	N	N
9	Visveswaraiiah Tehnological University, Belgaum	Y	Y	Y	Y	N
10	Tumkur University, Tumkur	N	N	Y	N	N

Availability of Digital Library facility in Karnataka State Universities is studied in Table No.2. Digitations activity is set up in (90%) of the libraries. While Digitization Lab and Shodhganga are (80%), followed by (50%) IR Initiative and (0%) Cloud computing have started using cloud computing technology to provide their services to users.

Table No. 3 Digital Library Collection availability

Sl. No	Name of the University	Digital, Collection	E-Books	E-Journals	E-Thesis	AV Materials	Others
1	Karnataka university, Dharwad	Y	428	22	-	-	-
2	University of Agriculture, Bangalore	Y	85	160	-	-	-
3	Mysore University, Mysore	Y	17058	3300	-	-	-
4	Bangalore University, Bangalore	Y	16290	24525	8745	1389	-
5	Gulberga University, Gulberga	Y	91	4500	169	-	-
6	Mangalore University, Mangalore	Y	-	4500	-	-	-
7	Kuvempu University, Shivamoga	y	3000	323	-	03	-
8	Davengere University, Davenagere	-	-	-	-	-	-
9	Visveswaraiiah Tehnological University, Belgaum	Y	3309	1865	-	-	-
10	Tumkur University, Tumkur	Y	71	71	-	-	-

Digital Library collection availability studied in table no. 3, all university libraries (90%) have digital collection. While e-journals are (90%) of all these libraries, whereas Bangalore University, Gulberga University and Mangalore University Libraries subscribe to more than 33525 e-journals. E-Books collection is the second highest (80%) of the digital collection and E-Thesis and Av materials (20%) of these University Libraries have in their digital collection.

Table No. 4, Opinion on extent of Electronic resources availability in the Library

Sl. No	Name of the University	Computer Facility	Internet Facility	E-jrnl	E-Books	E-Databases	CD ROM Facility	IR	E-Thesis	AV	E-Mail Facility	Collection Preference
1	Karnataka University, Dharwad	VG	VG	G	G	NA	A	A	NA	NA	VG	B
2	University of Agriculture, Bangalore	VG	VG	G	A	A	A	A	NA	NA	VG	B
3	Mysore University, Mysore	VG	VG	VG	VG	A	A	A	NA	NA	VG	B
4	Bangalore University, Bangalore	VG	VG	VG	VG	A	VG	A	VG	VG	VG	A
5	Gulberga University, Gulberga	VG	VG	VG	VG	A	A	A	VG	NA	VG	B
6	Mangalore University, Mangalore	VG	VG	VG	NA	NA	A	A	NA	NA	VG	B
7	Kuvempu University, Shivamoga	VG	VG	A	VG	NA	A	A	NA	A	VG	B
8	Davengere University, Davenagere	A	A	NA	NA	NA	NA	NA	NA	NA	G	C
9	Visveswaraiah Tehnological University, Belgaum	VG	VG	VG	VG	A	A	A	NA	NA	VG	B
10	Tumkur University, Tumkur	VG	VG	A	A	A	A	NA	NA	NA	G	B

VG-Very Good, G Good, A- Average and NA- Not Available.

ICT facility and electronic resources availability is obtained by these University librarians, presented in table No 4 highest very good (VG) is given for Computer and Internet facility (90%),E-mail facilities (80%), followed by E-journal and E-books facility (50%) . Most average (A) given to CD ROM and IR facilities (80%). Most not available (NA) is given to AV

material and E-Thesis (80%). All Karnataka State Universities Libraries have given (B) the Collection preference as both print and electronic sources (80%).

Findings from the study

1. All the Karnataka State University Libraries are automated, Cataloguing and Circulation sections (80%) automated.
2. Most of the responded University Libraries have an opinion that, they very Good Computer facilities and Internet facilities available.
3. All the Karnataka State University Libraries have the Digital collection and E-journals subscriptions; this is may be because of the UGC-Infonet digital library consortium.
4. Most of the respondents Karnataka State University Libraries have setup the Digitization Lab and Digitization activities started and also participating in INFLIBNET, Shodhganga initiative.
5. Barcode technology is using in these libraries services are initiative.
6. All the Karnataka State University libraries have given their preference of collection development to both print as well as electronic sources.

Conclusions

The libraries are expected to provide user centric services. The impact of information and communication technology has been more significant and visible in libraries as information access has been globalized. All state university libraries are using open sources automation software koha (60%), some libraries are using commercial library software(40%), open sources automation software are available like koha and Greenstone, etc, can be used in the future. Need to increase AV Material collection in all these state university libraries.

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