



USE OF MOBILE TECHNOLOGY BY LIBRARY AND INFORMATION SCIENCE PROFESSIONALS IN HIGHER EDUCATION: SPECIAL REFERENCE TO GOVERNMENT DEGREE COLLEGES IN TELANGANA

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ABSTRACT

This article indicates that a study on Mobile Technology by the library professionals in Higher Education sector special reference to Government Degree Colleges in Telangana. This paper aims to explore the application of Degree college library services through mobile technology to library users and how library and information science professionals are adopting this technology to provide library service easy and accurate information service by the mobile technology in Telagana Degree Colleges.

KEYWORDS: Information Technology, Mobile Technology and Purpose of Mobile Technology.



INTRODUCTION :

Now a day s number of people browsing or accessing the library information internet from their tablets, palm taps, pocket PCs and mobile phones. Library and Information Centre are to find the ways to disseminate and deliver their services/information to modern mobile phones and other small-screen devices so their library user can access/retrieve information any time (24x7) anywhere (round the globe) . Through the mobiles phones sending text messages, alerts about new arrivals, availability of the resources, overdue books or reservation of resources also. Sometimes allows readers to access full eBooks and journal articles through their library's subscriptions on any mobile device.

In internet age information are publishing enormously in the same way library professionals (service providers) also ready to serve the information the library clientele for required information with short span of the time. In that concept mobile technology is easy and speedy information disseminative equipment for the library and information science professionals. To provide the information 24X7 and any where any time in the finger tips only. Library professionals are required in the current situation in learning through the mobile and used the academic activities and also provide the right information to the right reader at the right time.

Higher Education libraries should consider the following recommendation

- “Piloting text alerting services - giving users the opportunity to choose whether they want notifications by text message, email or both are likely to be taken up by at least a third of library users. These alerts would include the notifications automatically generated by the Library Management System (LMS).
- Piloting a text reference service – if the library receives a high volume of enquiries that require brief responses, such as dictionary definitions, facts or service information from the library.
- Providing a mobile OPAC interface – perhaps using a service such as AirPac or World Cat Mobile, or working with their LMS supplier to develop a mobile version of their OPAC.
- Ensuring that the library website is accessible and will resize to smaller screens – in order to be ready for increasing numbers of netbook users and mobile internet users in the next few years.
- Providing audio tours of the library - to help visitors or new users orient themselves and learn more about the service.
- Allowing mobile phone use in the library - as long as they are set to silent or to flight mode (meaning they are not receiving a signal)”¹.

IMPACT OF MOBILE TECHNOLOGY IN ACADEMIC LIBRARIES

- + Advancement in information technology will alter the fundamental role of library Professionals. Library professionals are less attention will be paid to Acquisitions, Cataloguing, classification and Circulation and library housekeeping operations, online assistance, and navigation assistance and conversion issues. Information Technology in library and information centres is for better organise/ management and share of information, with more efficient communication (Mobile Technology) and ultimately for the benefit of end users.
- + Information technology has been the innovative of devices with huge storage capacity i.e. CD-ROM’s, DVDs, BLUE RAY DISC, HYPER DISCs, PEN DRIVES, MEMORY CARDS and flash memory cards have changed the face of library and information Centres.
- + The another benefit of IT is the automation of library housekeeping operation like acquisition, processing, circulations, maintenance, Cataloguing, Classification and serial management are changed manual to automation. Application of mobile Technology Library users can access the information quickly and quality services in the library and information Centres.
- + Another impact of mobile technology is remote access of variety of information resources and sources i.e. online full text databases, e-journals, e-books, library catalogue (OPAC) etc access from the mobile. The information era people can access the worldwide information through internet by the mobile technology without any time limitation.

REVIEW OF LITERATURE

Hey, J., Sandhu, J et.al. (2007) stated on “Designing mobile digital library services for pre engineering And technology literacy”. Mobile devices can capture authentic educational multimedia data, text, videos, audios of class lectures and learning movies student can access through the mobile technology.

Basil Enemute Iwhiwhu & Josiah Oghenero Ruteyan (2010) their article on “Mobile Phones for Library Services: Prospects for Delta State University Library, Abraka” This study reveals that DELSU less library users are not using mobiles phones for the purpose of library services .majority of library users own a mobile phone, incorporating it into library services to access the library information and also promote a good relationship between library users and staff and enhance library services, which will attract and retain users.

Kumar A.(2012) in his studies “Application of Mobile Technology among Engineering College Library Users: A Study” focus on ICTs has changed the way users are access and communicate information. Users want quickly and exact access to relevant information, putting pressure on Library and Information Science (LIS) professionals to think out of the box for meeting their information needs. Application of mobile Technology to provide library and information services are a significant step in the present day information era.

Paterson et.al (2011) in their article “Student attitudes towards mobile library services for smart phones” use of mobile technology and to consider the benefit of academic library services to library users also provides evidence for libraries to determine the value of developing their own mobile services. And also provides insight into a rapidly moving area of technology as demonstrated through the research.

Objective of the study: the following objectives for the study

- 1.To know the Gender distribution of library Professionals in Govt Degree Colleges in Telangana
2. To find out the services that could be delivered through mobile phones in Govt Degree Colleges in Telangana .
- 3.To analyse the study use of Mobile technology by the library professionals in Govt Degree Colleges in Telangana
4. To find out the purposes of mobile technology in Govt Degree Colleges in Telangana

SCOPE OF THE STUDY

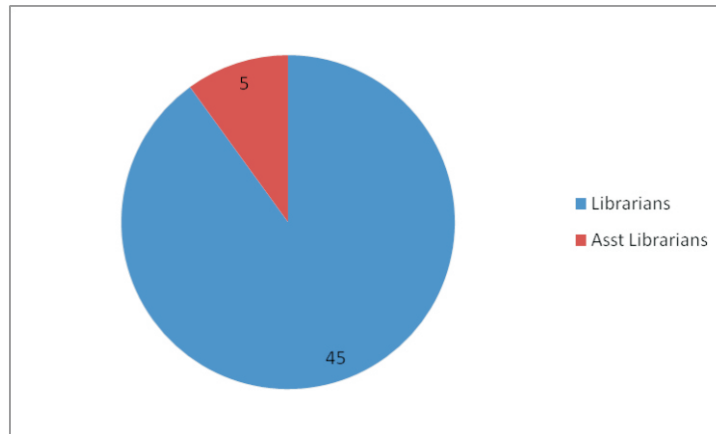
The Present study confined to the “Use of Mobile Technology by Library and Information Science Professional in Higher Education: Special Reference to Government Degree Colleges in Telangana” only . Data collected through the structured questionnaire for the analysis of the study

DATA ANALYSIS

The present study is Use of Mobile Technology by Library and Information Science Professional in Higher Education: Special Reference to Government Degree Colleges in Telangana descriptive in nature the data collected through the structures questionnaires were subjected to descriptive statistical analysis. The structures questionnaires distributed to all Library and information Science professionals nearly 55 out of that 50 were responded.

Table 1. Distribution of Questionnaire in in Govt Degree Colleges in Telangana

Sl. No	Designation	No. Of Respondents	Percentage
01	Librarians	45	90%
02	Asst Librarians	05	10%
	Total	50	100%



The above reveals that the distribution of questionnaire among the library professionals in Govt Degree Colleges in Telangana Out of 50, Librarian level (90%) and Assistant Librarian (10%) It is pointed out that the majority of the respondents questionnaires are received from College Librarians.

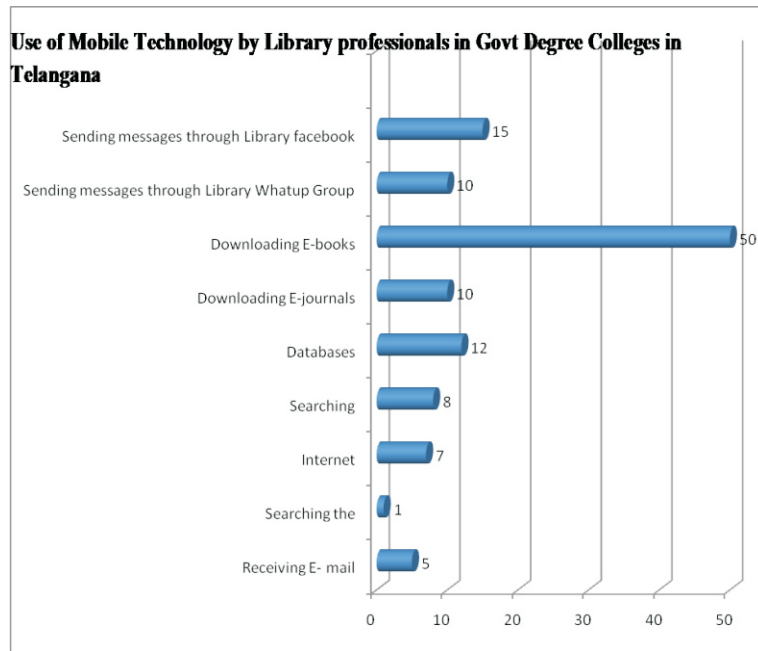
Table.2. Gender wise Distribution of Respondents in Govt Degree Colleges in Telangana

Sl. No.	Gender	No of Respondents	Percentage
01	Male	41	82%
02	Female	09	18%
	Total	50	100%

The above table shown that the Gender wise distribution of respondents. Out of 50 respondents of Library and Information Science Professionals,41 (82%) of them are Male library professionals and 09 (18%) of them Female library professionals. It is concluded that the Male respondents are more than Female library professionals in Govt Degree Colleges in Telangana

Table 3: Use of Mobile Technology by Library professionals in Govt Degree Colleges in Telangana

Sl. No.	Purpose	No of Respondents	Percentage
01	Sending and Receiving E- mail	07	14%
02	Searching the Internet	05	10%
03	Searching Databases	01	02%
04	Downloading E-journals	07	14%
05	Downloading E-books	08	16%
06	Sending messages through Library Whatup Group	12	24%
07	Sending messages through Library facebook	10	20%
	Total	50	100%



The above data explores the distribution of use of Mobile technology by the library professionals. Out of 50 respondents, majority of library professionals i.e., 24% are sending messages through Library What up Group i.e. GDC Librarian Group, later Sending messages through Library face book i.e., 20%, than Downloading E-books are (16%). Downloading E-journals and Sending and Receiving E- mail by the library professionals are equal i.e. 14%, later 05% of the library professionals are using Searching the Internet purpose only . least percentage (2%) of the Library professionals are using mobiles for the usage of Searching Databases only.

Table 4: Purpose of using by the Library professionals in Govt Degree Colleges in Telangana

Sl. No.	Purpose of Using	YES	Percentage	NO	Percentage
01	Access the video lectures	22	44%	28	56%
02	Accessing E-mail	30	60%	20	40%
03	Accessing information	45	90%	05	10%
04	Browsing websites	39	78%	11	22%
05	Course related materials	25	50%	25	50%
06	Downloading Articles	30	60%	20	40%
07	For social Interaction	48	96%	2	04%
08	Knowledge sharing Forums	48	96%	2	04%
09	Reading e-book	35	70%	15	30%
10	To identify the Locations	38	76%	12	24%
11	To update the information like sports/weather etc	35	70%	15	30%

The above data shown that the purpose of using mobiles in learning process by library professionals in Govt Degree Colleges in Telangana. Among the respondents highest percentage i.e, 48(96%) were for the purpose of social Interaction and Knowledge sharing Forums are using, later 45 (96%) Accessing latest Library and information Science information, than 39 (78%) of browsing websites, than 38 (76%) of To identify the Locations. And 70% of the To update the information like sports/weather and Reading e-book purpose using. Than 60% of the library professionals are using for Downloading Articles and Accessing E-mail purpose. Half of the Library Professionals using mobiles for Course related Materials and Least percentage i.e. 40% of the respondents are using for Access the video lectures only.

Table: 5 Preference of the Mobile technology using by the Library professionals in Govt Degree Colleges in Telangana

Sl. No.	Preference of the Mobile Technology	YES	Percentage	NO	Percentage
01	Easy access	48	96%	2	04%
02	Round the Clock or 24X7 availability	45	90%	11	22%
03	Any anywhere, any place, In the Globe	48	96%	2	04%
04	To improve the communication	40	80%	10	20%
05	Disseminating the information easy	35	70%	15	30%
06	Disseminating the information easy	30	60%	20	40%
07	For security issues	38	76%	12	24%
08	Comfortability	39	78%	11	22%

The above data emphasis that the library professionals preference of usage mobile technology. The mobile technologies were attracted by its portability and it easy access, Comfort ability, accurate, quality and also adopt of latest information technology (Android and JIO). This latest technology and innovative applications are attracting the library user to utilise the library and information centres. The highest number of respondents 48(96%) were preferred for their easy access and Any anywhere, any place, In the Globe, 45(90%) were for Round the Clock or 24X7 availability, 40(80%) were preferred to improve the communication, 39(78%) were for Comfortability, 38(76%) For security issues, 35(70%) Disseminating the information easy and also least percentage of the Disseminating the information easy.

CONCLUSION

In the Information communication Technology era Library and information science professionals are struggle to adopt the new innovative technologies. In internet age information are publishing enormously in the same way library professionals (service providers) also ready to serve the information the library clientele for required information with short span of the time. In that concept mobile technology is easy and speedy information disseminative equipment for the library and

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