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**APPLICATION OF MOBILE TECHNOLOGY IN LIBRARIES**

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**ABSTRACT**

*Information communication technology changes the role of library to traditional library to digital libraries; it's also impact on the library services. Digitization provides the faster access to information and also changes their services by accepting the technological change. In the modern era mobile phones become an essential part of day to day life and changing the way of communication in the world. Mobile technology helps to libraries towards strength, user relation, and orientation and library services to its user. Libraries may provide remote access to users who were considered unlikely to connect because of absence of a medium. This paper highlight the use of mobile technology especially Smartphone based library services, its purpose, application, prerequisites; skills required for its implementation, advantages, disadvantages, challenges faced etc.*

*Keywords: Digital Libraries, Mobile Technology, Mobile Application, Smartphone based library services.*

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**INTRODUCTION**

The world wide mobile phones subscription are at billions-equivalent to half global population. With Smartphone becoming the very important in the lives of the population's majority, the industry has undergone an evolution in 2017, with competition becoming even stiffer. Smartphone designs have been revolutionized in the past few years, thereby shifting the popularity rating of different companies. This statistics are substantial evidence that people everywhere interact with the information.

Libraries are nonprofit social institute that connect people with people and user with information. The traditional library services are now moving to mobile library information services. Mobile technologies have made communication and information access very convent and timely to users. Mobile devices and services offer tremendous flexibility for those who want to take advantage of library services. With a simple 3G and 4G connection, a user lying on a beach can access e-book and multimedia content from a local library, Smartphone's can access network and content can be continually streamed over a network, providing content on demand and making it unnecessary to maintain a paper copy of the material. Google is developing of mobile firms and the desktop second. Apple is in the midst of making its desktop computer behave more like its mobile devices aside from offering convenience mobile technology present new opportunities for libraries promote access and expand reach. The adaption of mobile technology alerts the traditional relation between libraries and their users and introduces novel challenges to reader privacy. University and college in various countries are successfully providing library and information services through mobile phone.

The internet and networking of libraries information Centre have facilitated information access 24x7 at one's fingertip. The library provides access to the online library catalogue, maps, contacts, news and travel information through mobile phones. Libraries of Athabasca, Alberta, Canada, American Universities, Boston College, Duke University, Texas, Dr. Babasaheb Ambedkar Marathwada University Library, etc. offer mobile interfaces, application and services over mobile phones.

**LIBRARY SERVICES THAT CAN BE PROVIDED TO USERS VIA MOBILE TECHNOLOGY ARE****SMS Notification**

The SMS facility can be used as a medium for the communication of reference queries, latest news, event and notices in libraries. SMS text messages can be sent to the customer in order to the overdue of books, new books arrival list, subscribe journals, loan request, renew of books. The user can also be informed of the hold item which is ready to be collected from the library through SMS. Libraries can broadcast text messages to group of client for promoting services such as new databases, extended library opening hours or a new series of hands on workshops.

**Distance education and E-learning**

The distance education and e learning share many common features such as remote learners, course materials, emphasis on self-study, learning at once own pace and time, etc. however, e-learning by delivering digital course material. The digital nature of course material brings much flexibility to the learners. Libraries should redesign the services, which are mostly need by users for interaction, communication and information sharing. Library services should also blend with teaching and research practices of education institutes, of group of users whom they serve. Mobile devices also help for accessing e-journals and e- books freely available in the internet.

**Database Browsing**

Libraries provide access to a variety of its resources and databases. The user can just enter search term and see result that is designed specifically for mobile viewing. The service include OPAC, MOPAC, different searches

**E-Resources with mobile interface**

In digital environment publisher supply not only print material also delivering e-books that are accessible via mobile phone in the form of text and audio. It offer access to variety of databases and e-resources like e-books, e-journals, web databases, dissertation, audio books, music, video, images and article databases which can be used on mobile. OCLC's Net library, Librovox, Plucker Mobile Pocket of Amazon these are some examples of who provide e-resources.

**Library Websites**

Information communication technology has revolutionized our society in a great manner. Libraries are required to redesign their web pages as mobile optimized interactive and participative library website to provide dynamic information services to users on a 24x7 basis via mobile devices like mobile Smartphone.

**MOPAC**

MOPAC is a smart phone based Book Search APP offers a low-cost cloud-based platform to all the libraries in the world to share book data. All library patrons worldwide get easy to use App for free book search.

**Online Full Text Service**

A full-text database is a compilation of documents or other information in the form of a database in which the complete text of each referenced document is available for online viewing, printing, or downloading. Our library uses the INFLIBNET N-LIST CONSORTIA and remote access facility through Dr. Babasaheb Ambedkar Marathwada University library to access online resources

**Reference service**

Many times the researcher enquire for reference questions, they want some definitions, abstract services or useful reference sources now widely available as mobile reference tools for stakeholders.

**Mobile Devices use in libraries**

1. Personal Digital Assistance
2. Smart Phones
3. Android Cell Phones
4. iPods and Audio/ Video Players/ Tablets

**Skill required for library staff to providing mobile library service**

1. Training and orientation of library staff
2. Interaction with user via smart phones and web pages
3. Information about mobile devices (hardware and software )
4. To train staff about protection, privacy, and levels of security
5. Collect workshop for library staff about internet services, emails, library website.

**CONCLUSION**

The advancement in information communication technology, the mobile has become a part of everyone's life. Smartphones are popular in the both developed and developing country to fulfil the communication need of human. The device like smartphone that enable user to connect, communicate and innovate. Mobile services have potential to facilitate the teaching and learning process in a great way. Mobile applications can support learning by making library resources more omnipresent, by bringing new users to the library through increased accessibility to the library resources, and by creating a new way to enhance connections between patrons and libraries. This increased use of mobile phones provides an untapped resource for delivering library resources to patrons. The mobile web is the next step for libraries in providing universal access to resource and information.

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