

# ROLE OF THE MOBILE AND IT'S NETWORK OPPORTUNISTIC NETWORKS IN THE LIBRARIES

**Ananda Kumara A**

Librarian

Government First Grade College, Guddenahalli, Turuvekere,  
Tumkur District, Karnataka state, India.

Email Id: [anandkumara5329@gmail.com](mailto:anandkumara5329@gmail.com)

**Abstract:** This article focuses on the future of mobile devices in libraries and information centers. Mobile technology has changed the way people access and exchange information. Users want easy and immediate access to important information, relying on library and information science (LIS) professionals to think outside the box to meet their information needs. The use of mobile phones and the use of mobile phones to provide library and information services is an important step in this direction. In the 21st century, librarians and information research professionals are the main uses of technology in the library, and this new technology provides technology options to library paper. There are great opportunities for libraries to offer new services and different types of loans to users. This survey is a new platform to reach students and staff. The main purpose of this study is the use of mobile phones in education, especially in libraries and library services.

**Keywords:** information services, information services, ICT infrastructure, mobile phones, technology in the library

## **1.0 Introduction**

Access to information has become indispensable today. Cell phones are now such an important part of the human body that life cannot exist without them. Mobile technology plays an important role in the information search behavior of users, so that teaching, learning and research can be done according to the user's needs. This is a nanotechnology model. Now 371mm people use mobile devices for many purposes. From children to the elderly, from rural to urban, everyone uses mobile technology for access. Library materials are not a new concept; In fact, the first project focused on providing mobile device access to library users started 18 years ago, in 1993, in the era of mainframes and the Gopher. . Today, Android mobile users collect, store, organize, access, store and use their data. More and more people are using their mobile phones as a search tool. Smartphones Cell phones, iPhones and tablets are now the first place people turn to when searching for information. Mobile devices should play an important role in enabling Digital India. Digital India and Smart Cities talk is very popular in India. Connected mobile devices now effectively connect people and everything anywhere, anytime. This provides the customer with a 24/7 presence that is always available and ready for business, with no time to expand with the threat of competition. Today, almost all mobile phones with internet access can access a lot of power by accessing applications in the cloud. Cell phones have changed the entire daily life of people. Cell phones (also known as cell phones or cell phones) do not use wires or cables, work over the radio, and can be carried and used anywhere (Homby, 2001). Nowadays, mobile phones are used in research, teaching, education, health, agriculture, etc. in India and other developed countries. It is used effectively for information sharing in fields.

An opportunistic mobile network is a private network that uses a network approach by moving nodes to use multiple communication channels. It always treats the data transfer key as a storage-forward move to solve the link interoperability problem. Although many communication methods have been proposed, most of them have taken the anger towards higher job switching, which has led to the injustice of the nodes. However, so far this issue has not received enough attention. In this article, the basic concepts related to the integrity of the nodes are reviewed, the selection method is modeled as a multi-objective decision problem and the integrity strategy fair conscious competition (FARS) is planned. We perform various simulations and analyzes on real data and synthetic data, respectively, to evaluate the performance of FARS. The results show that compared to other available methods, our FARS can greatly increase the integrity of the nodes while guaranteeing the overall distribution of the network.

## **2.0 Role Of Mobile In Digital India**

According to "Digitalinsights", India is very strong as 946 million people have mobile connections and 100 million people have mobile activated via their social accounts. Cell phones are becoming more common and starting to look

like computers and include many different types of phone messaging (Davis, 2012). The mobile phone is the best communication tool that has undergone many revolutions and makes it the last function of communication between two people (Kushchu, 2007). Mobile technology is a new communication tool that is changing the way people search for, receive and interact with information every day. This mobile device provides easy access to the world's information across disciplines, disciplines and corporate boundaries. Developing countries today are taking advantage of the lack of cheap internet. In recognition of this role, donations and policies around the world focus on libraries as community resources that can provide access and support to information provided by the Internet. (Thompson et al., 2014).

### **3.0 Aview Of Mobile Phones And Library Services**

Information Communication Technology (ICT) breaks down barriers and enables rapid communication and interaction across borders. The need to solve important and responsible problems of life has led to the creation and use of information technology (Ademodi & Adepoju, 2009). Libraries are very interested in the transfer of information such as telephone and telephone, mobile phone, cable TV and the Internet. Academic libraries face challenges in meeting customer needs because their target markets allow university teachers, researchers, and students to find what they need without going to the library. If librarians in the industry are to make a significant contribution to the dissemination of knowledge, they must understand and use ICT infrastructure and new technologies to assist users (Ikhemuemhe, 2005). According to Terplan (2000), "Telephone and e-mail are important tools that facilitate the supervisor to work and respond in a timely manner to the client's various problems inside and outside of his home." The short message service (SMS) or text messages can be used on all mobile phones to raise awareness for library users about upcoming events and new listings. . This can be transmitted through a facility called "broadcast", where text messages are sent to all library contacts in the mobile phone address book. Academic libraries have to keep up with the changing needs of their customers. One way to serve customers is to do research in the library. Tests can be done via SMS and MMS. Customers can indicate their preferences by sending a code to a specific phone number. Professional services and personal information can be accessed using wireless technology available to everyone. According to "Digitalinsights", India is very strong as 946 million people have mobile connections and 100 million people have mobile phone activated via their social accounts. Cell phones are becoming more common and starting to look like computers and include many different types of phone messaging (Davis, 2012). The mobile phone is the best communication tool that has undergone many revolutions and makes it the last function of communication between two people (Kushchu, 2007). Mobile technology is a new communication tool that is changing the way people search for, receive and interact with information every day. This mobile device provides easy access to the world's information across disciplines, disciplines and corporate boundaries. Developing countries today are taking advantage of the lack of cheap internet. In recognition of this role, donations and policies around the world focus on libraries as community resources that can provide access and support to information provided by the Internet. (Thompson et al., 2014).

### **4.0 Mobile Technologies And Library Services**

Recent advances in processor speed, cellular communications, and battery life have allowed computers to go from wired to fully mobile. In the worst case, all nodes are mobile and communicate when there is an opportunity to take advantage of the mobility of the central line and traditional communication. These are Mobile Opportunity Networks. Information communication in such networks is a difficult problem due to the physical principle, limited resources and global lack of information. It is often impossible to establish end-to-end routing in such networks. Instead, the store-and-get-and-go paradigm is better for such networks. This article describes and reviews algorithms for message routing in such networks. In order to construct efficient routing algorithms for mobile opportunistic networks, we first examine the entire set of node paths representing the opportunities available for each routing algorithm. As a real measure we calculate the path of the nodes and show what we call the bad path. The term "path burst" refers to the increase in the number of paths between a selected set of nodes over time. We use contagion theory to model and explain the effect of fragmentation. This is the first contribution of this article and an important observation for subsequent results. Our second contribution is the study of distribution algorithms. For this we rely on line-driven simulations of different algorithms across many dimensions of the design. We compare the performance (success and average latency) of these algorithms. We were surprised to find that most of the algorithms we evaluated had similar performance. We interpret this phenomenon in terms of scattering. While most of the algorithms we reviewed are similar, the cost of the algorithms varies. This allows us to focus on developing algorithms with the goal of reducing cost. For this purpose, we transform the delivery problem into a consensus problem. Our third priority is to establish a regulatory framework for approval, which we call the licensing process.

Our analysis shows that the use of delegation procedures reduces the cost by a factor of  $O(\sqrt{N})$  compared to free delegation, where  $N$  is the number of lines in the network. We further validate the results of the real lines where the agreement further reduces the cost. Our results now include the critical assumption without any restriction on the number of nodes. Next, we loosen that assumption so that the problem becomes an essential part of messaging and destruction. Our fourth contribution is the examination of the basic processes of language with references. Our main result is better performance by giving higher priority to younger messages in the network. We interpret these results according to the scattering method. Mobile devices are very effective in teaching. Libraries can play an important role in this learning model because their strength lies in promoting self-education and libraries can provide access to resources. The list of mobile services is available below:

1. Mobile library website
2. Mobile On-line Public Access Catalogue
3. Circulation services
4. Reference Enquiry services
5. Current Awareness Service and Selective Dissemination of Information Service
6. E-mail and SMS –Service
7. Distribution of E-Resources through Mobile site
8. Library Maps and floor plans
9. Library News, Events and Blogs
10. Library Hours and library tours
11. Mobile databases
12. Inter library loan service
13. New Arrivals' list
14. Books and Article's search
- 15. Mobile apps for library**
16. Library instructional program through mobile site
17. Subject guide, path-finders etc.
18. Photo and Video clips
19. Library Surveys
20. Short Message Services
21. Feedback, Comments and Suggestions
22. Contacting library staff for help (Ask Librarian)

### **5.0 Conclusion**

Mobile devices are an important tool in today's life, and we can use them to provide library service to users and to provide easy access to e-books for mobile phone users. In the future where we can use mobile phones in the future, Librarian is part of the "Ask the Librarian" service that provides users with information to quickly find information about library services and resources in India. Cell phones are an indispensable tool for information exchange. Successful knowledge dissemination is one of the most important aspects of successful people. Private libraries use a variety of tools and techniques to disseminate knowledge to the user community. Libraries also need to publish it. For this, the use of technology is very necessary. Technology is a great thing for libraries. Libraries can reach remote users by using mobile devices in their services.

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