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LEARNING RESOURCE CENTRE SERVICES ON YOUR PALM

Dr. J. Santhi¹ Dr. P. Ganesh Kumar² Dr. S. Jeyachitra³

¹Librarian, Arumugam Pillai Seethai Ammal College

²Professor, KLN College of Engineering

³Librarian, Urumu Dhanalakshmi College

Abstract

In India, Reading habits among the student's community is reduced now a day. Many survey results reveal that almost 50% of students only study (Read) their syllabus books. Occasionally they used to read other than syllabus books, roughly three out of ten students only interested in reading other books as per India Today magazine survey.

The main aim of this project is to enhance and motivate the students to access library resources. Almost all the college students used to have their smart electronic gadgets and addicted too also. The main motto is to use the same intelligent devices to reach all the library resources to their hand in anywhere, anytime through the University Institutional proprietary cloud.

The entire library resources converted into digital format, and all the authorised users can access through the institutional cloud. There are some provisions to create domain-specific blogs or walls, where the students, faculty and scholars free to discuss for their domain-specific information, which will make the academic fertility to attract more. The primary outcome of this will divert the students in the right direction with good vision.

Keywords: Learning resource, Cloud computing, Reading habits, Mobile App, Remote Access

1. INTRODUCTION

Libraries are described as social and technological-intellectual infrastructures. It contributes a more extensive network of people to lead their life with peace. The Indian higher education departments (AICTE, UGC) have to create a habit of reading among the youngster through various schemes like DELNET, INDEST, IET Digital Library, INFLIBNET and NPTEL. As a part of converting the digital world, our government initiated to design and implementation of smart libraries. Apart from public libraries, academic institutional library usage is needed to improve for the growth of every citizen as well as the country growth.

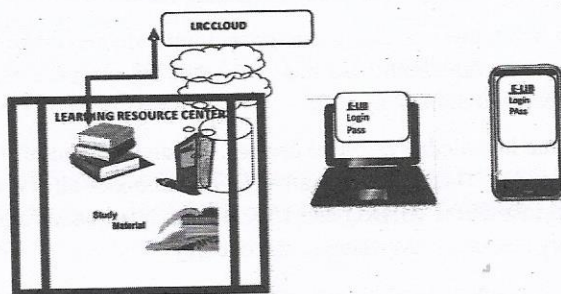
Once reading practice increased the student forum automatically improved their knowledge, vocabulary, analytical thinking skills, concentration skill and also to reduced their stress. Akanbi Bola Mulikat et al (2018) International Journal of Information Processing and Communication (IJIPC) Vol. 6 No. 1, June 2018, pp 123-132 from Nigeria proposed an "Planning, Designing, and Implementing a Local Area Digital Library Network", in this paper authors proposed an ICT based digital library where all local resources can be accessed through online.

Gani E, Magoi JS. The emergence of digital libraries services in Northwest Nigerian Universities: Challenges and prospects. *Library Philosophy and Practice* 2014. Gani E, Magoi JS(2014) elaborated the emergence of digital libraries services in Northwest Nigerian Universities: Challenges and prospects. Also, the author explained a significant bottleneck in implementing digital library services. Li, J. and Yang, S., 2018. Design and Implementation of Information Resource Co-Construction and Sharing System in Electronic Library. *Data Science Journal*, 17, p.32. The author proposed to Design and Implementation of Information Resource Co-Construction and Sharing System in Electronic Library. In this author tries to design a system to integrate information resource in E-Library.

Iwasokun GB, Akinyokun OC. Development of a multi-tier internet-based library system. *International Journal of Library Science*. 2013;2(4):69-79. Proposed a "Development of a multi-tier internet-based library system" in this paper author developed a multi-tier online internet-based library system to access library resources. Verma, L., & Kumar, N. (2018). Comparative Analysis of Open Source Digital Library Softwares: A Case Study. *DESIDOC Journal of Library & Information Technology*, 38(5), 361-368. In this paper author discuss various software's can be used to convert from traditional library sources to electronic libraries. Digital Library initiatives in India: an overview January 2016 Conference: CGLA Conference, Indian Museum, At Kolkata. Paper detail explains about various digital library initiatives and implementation across India. Also, discuss problems to implement a digital library in India. Archana Saxena and Dr T. N. Dubey, " Impact of Digital Technology on

Academic Libraries of India: Problems and Prospects”, *International Journal of Application or Innovation in Engineering & Management (IJAEM)* Volume 3, Issue 3, March 2014. The paper deals with problems and prospects to implement digital technology in academic libraries. Islam, Shariful and Mostofa, S.K. Mamun (2013). A Review of Digital Resources among Different types of Libraries in Bangladesh, *International Journal of Humanities and Social Sciences (IJHSS)*, Vol. 2, Issue 1, Feb2013, 109-120. The paper focuses on different library digital resources in various libraries across Bangladesh. Dhanavandan, S., Esmail, S. Mohammed & Nagarajan, M. (2011). Information Communication Technology (ICT) infrastructure facilities in Self-Financing Engineering colleges Libraries in Tamil Nadu. *Library Philosophy and Practice*. Also reviewed various pros and cons in implementing the ICT in libraries.

MHRD and UGC are taking many initiatives to make the library resources to all the users in many ways. As a top administration, UGC is taking macro steps to reach student fertility. The complete success of any initiative depends on how to reach them all end-user effectively using micro-step. It's a responsibility of university / Institutional library to take up all the UGC initiative and their own library resources to their customers. This is a significant bottleneck where the resources not able to reach the student community. Through this project work, we can fill the gap and enrich the student carrier. If we implement this in all libraries, which in turn connect all the local libraries in a single umbrella so that any student from anywhere can access other University/Institutional library resources directly. It is very much benefited for the student community those who are residing in rural areas can access premium University and institutional resources.



2. METHODOLOGY

The proposed research architecture contains Physical Library services, Conversion of resources from Physical to Digital, University/Institutional Proprietary Cloud and authenticated users can access all the services through web and mobile app on their handheld device at any time at any place. As a First step, all the resources are converted to digital format and the same will be stored in the proprietary cloud in a normalized way.

Now authorised user can access the E-resources in two different user interface platform such as web and mobile app. Apart from the local resources, other online subscribed facilities like NDL, NPTEL, MOOC, online journals etc. are also can be linked to the users. Through this user interface the entire authenticated user can access University/Institutional resources, and they are channelled to other external subscribed services to their handheld device in a smarter way.

Features of these interactive interfaces consist of two major sections, such as Internal and Subscribed External Resource. In the internal resource have Books, Journals, Magazines, Question bank, Video Lecture, and Audio Lecture, Research publications, Newsletter, college magazines and Subject Study materials. Similarly, in External Section provide access to all subscribed services. User can access their E-resources in particular to their specific domain. Also, through this platform, faculty can conduct online test, quiz and assignment to students and evaluate the same.

3. INNOVATIVENESS

- Implementing this project as a single step involves the conversion of the traditional library into E-Library at the same time it can reach to every user through their handheld smart device.
- User can access their library resource at any time, any place.

- Also, they can able to access other resources whatever the university /Institutional library registered and subscribed to external resources.
- Provide a space for domain specific blogs where faculty and students can exchange the knowledge specific information at any time.
- Create a platform to conduct online course materials and online test and quiz to induce and motivate the students to learn lifelong.
- Interconnect all the University and institutional Library resources in a single roof.

Any student from anywhere in the country can access premium University and Institutional resources.

4.PATH-BREAKING IN THE RESEARCH

This project Proposes to interconnect all the libraries in the country, which includes Premium University and institution library in a single umbrella. Now there is no barrier for the student to access their own library and remote library resources through their handheld devices. As per many surveys reports now a day's students reading and learning habits are getting worst, which is affecting the attitude of the students.

There is a need to do some research and make the students to learn and use the library resources effectively. But it cannot fulfil the requirement by traditional library mechanism. Need some ways and means to reach the library resources to our customer's hand. By designing proper E-Library with some interactive mechanism makes a significant impact on the student community, especially in reading habits.

By changing the reading habit, one can easily change their attitude and make the student into more on career-centric rather than diverting in other directions. So this path-breaking research will make a student in significant transformation in terms of attitude and domain specific.

In general Libraries are the knowledge resource centres. A huge amount of resources are available across all the libraries in the world and India. This is the initiative to interconnect all the libraries in our country, which include premium, NIRF ranked institution. MHRD and UGC may implement as a policy so that any student in our country can access all the library resources anywhere in the country.

To start with, initially first connect local library, and then subsequently connect single city or all the colleges affiliated to a concerned university can be linked at the micro-level. Then connect all the universities in the state, and it can be linked. This can also be viewed and connected specific domain, field specific can be done. Finally all the universities and institutions can be linked to share all the resources ineffective way for the benefit of students, which in turn improve the quality of education in our country.

It is the responsibility of the university /Institution to produce competent professional to face the societal challenges by imparting quality teaching and learning system as a Library takes central part to provide the quality resources to the students which in turn university /institution will provide quality professionals rather than Noxell to the society.

Youngsters are the future of our country. Also, this platform makes the students more attractive in terms of live videos, audios, animation, a chatbot to discuss lively with the peer group moderated by admin. This type of features will control the students into their professional and not divert in the wrong dimension.

5.CONCLUSION

Implementing this research project expect the following outcomes.

- Local and remote Library resources at the customer's hand.
- Change the students reading habits.
- Motivate the students to use Library resources.
- Use ICT services in a productive way instead of destructive.
- A good number of quality (UGC & Scopus) publications can made.
- Massive dataset creation and analysis can be done.
- User behaviour study analysis can be done.
- Research Scholar can formulate and complete quality research.

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