Use Of E-Resources In Various Digital libraries in Engineering Colleges Of Telangana

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Abstract : This paper presents the utilization of E-Resources by Engineering students in various Engineering colleges of Telangana. The E-Resources namely CD-ROM, Machine readable files, online Journals, Online books, E-Documents, E-Books, E-Mails, online bibliographies, OPAC and the internet. This investigation is done on a survey method to analyze the use and utilization of E-Resources by the students of Engineering colleges. Study has been reviewed on relevant literature on the E-Resources usage. This study restricted only to E-Resources utilization by engineering students uses of E-Resources and usefulness have been analyzed and summarized the findings. Based on the results some suggestions have been made to increase the effective use of E-Resources.

IndexTerms - : **E-Resources, UGC-Infonet Digital Library Consortium, Open Access Journals, e-journals.**

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I. INTRODUCTION

Due to the Impact of technology everything is computing in a smarter way, the readers now a days instead of carrying lot of materials and books most of them are using pdf documents in a electronic storing gadgets. The present was emerged in such a way that any information or document or file can be shared with any one throughout the world with the help of internet. The meaning of library is changing from day to day, They offer totally new environment, new resources and new services to the users. Digital libraries will plays major role in education field, The present paper will explain the use of E-Resources and its utilization in various Engineering colleges of telangana.

The electronic resources available in a library play a prominent role in facilitating access to required information to the users in an easy and expeditious manner. The e-resources, like CD-ROM databases, online Journals, online books, OPAC, and the internet are slowly replacing the importance and usage of print media. It is an indication that one should be familiar with the use and exploitation of e-resources for their quick and effective usage for promotion of academic excellence and research[1].

E-resources may be added based on the demand of the users. The library should create awareness among the users by conducting programmes, Such as orientation program, demonstrations, conference, seminars and through notices.

II. REVIEW OF PREVIOUSLY PUBLISHED JOURNALS AND ONLINE WEBSITES

Anand Y. Kenchakkanavar (2013) was defined electronic resource as a resource which requires computer access or any electronic product that delivers a collection of data, be it referring to full text bases, electronic journals, image collections, other multimedia products and numerical, graphical or time based, as a commercially available title that has been published with an aim to being marketed. These may be delivered on CD ROM, on tape, via Internet and so on[2].

According to Wikipedia, Electronic Resources means "Information (usually a file) which can be stored in the form of electrical signals, usually on a computer; Information available on the Internet".

According to Library and Information Technology Glossary "Term used to describe all of the information products that a library provides through a computer network."

Elavazhagan and Udayakumar (2013) ''examined the exposure and measure the extent use of eresources by the faculty members and research scholars of BITS, Pilani - Hyderabad Campus" and confirmed that "the e-resources are time saving, easy to use and handle, more informative, preferred, flexible and effective".

III. OBJECTIVES OF THE STUDY

The main objectives of the study are
- To know the various types of e-resources and services available Digital libraries of Engineering colleges in telangana.
- To study the different types of e-resources used by Engineering students.
- To study the Impact , purpose and frequency of using the e-resources.
- To suggest measures to take full advantage of it.

IV. TYPES OF E-RESOURCES

These are the various types of E-Resources available in digital libraries of Telagana
- E-Journals
- E-Manuscripts
- E-Maps

- E-Books
- E-Magazines
- E-Data archives
- E-Thesis
- E-Newspaper
- E-Mail
- E-Research Reports
- E-Bibliographic Databases
- Multimedia products
- E-Clippings
- E-standards
- E-patents

V. EQUIPMENT AND FACILITIES NEEDED IN DIGITAL LIBRARIES

- Computers
- projectors
- Multimedia
- speakers and headphones
- Internet/LAN/MODEM/wifi
- CD ROM/FD
- MARCs
- Library Automation softwares
- NPTEL facility
- IEEE/Scopus indexed/ACM/Open access journals subscription
- E-Books, E-Materials subscription
- printer, scanner, photocopy machine etc,.

VI. SCOPE AND LIMITATIONS

Engineering students will come to digital library for
- Academic assignments.
- To know current emerging technologies in their field to present as a technical seminars.
- For learning and preparing for competitions.
- To prepare for final year viva voice.
- For career development and growth.
- For Job applications.

Advantages of utilizing E-Resources
- 24 by 7 Round the clock availability.
- Multiple access.
- Information retrieval is easy.
- Preservation and conservation.
- Occupies less Space.
- Easily accessible.
- Secured
- Time Saving
- More Informative

Other uses of e-resources may be permitted or prohibited by the license agreement, including:
- electronic reserves
- Data mining
- scholarly sharing of articles
- multiple copies for classroom use
- interlibrary lending
- authorized users

VII. PRESENT SCENARIO IN ENGINEERING COLLEGES OF TELANGANA

During their assignments submission and during their projects students traffic to access the E resources will increases, The students will come to utilize Books, monographs, Scientific technical journals, periodicals, Patents, Reports, standard, Conferences, workshop, Seminar proceedings Online-journal Databases, Archives Internet, Intranet sources as audio/video CD-ROM/DVD Review articles/ Projects thesis of seniors in that college to avoid repetition. For the E-resources user traffic in engineering colleges is 3rd & final year students of the UG(B.Tech),PG (M.Tech) students will be more when compared with the 1st and 2nd year students. The PG students will search more for doing literature survey for their projects comparing with UG students.

So, The Engineering colleges should have Digital libraries, along with they should have subscription to online journals, Periodicals, E-Books.

VIII. CONCLUSION AND SUGGESTIONS

Many colleges are encouraging students to learn NPTEL classes. And those colleges should have subscriptions like UGC Infonet, IEEE Access, access to ACM, Springer, Scopus Indexed journals if the cost effective then at least open access journals, So that students can learn emerging technologies with effective utilization of E-Resources. Enhancement in Infrastructure like high speed network, wi-fi in the campus, LAN portals at various rights to use points in the campus and also in departments can be prepared to improve the practice effectively.

The college library should take care in facilitating the E-Resources. college management also should provide the sufficient funds to enhance the infrastructure.

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