Significant Role of E-Resources in Engineering College Libraries – A New Initiatives

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Abstract

With accelerated advance of advice technology the libraries are affective appear e-resources, which are begin to be beneath amount and added accessible for simple access. The frequently accessible cyber banking assets mainly CD-ROMs, OPACs, and Internet etc., which are replacing the present book media in today's accelerated alteration world, advice needs of learners and ability seekers are met through a glut of sources. The e-resources accessible in a library play a above role in facilitating admission to appropriate advice to the users in an simple and active manner. The users accept afflicted their advice gluttonous behavior and demands assets and casework from the libraries electronically. The actualization of agenda technology application agenda media has accelerated the advance and development of advice in bendable from and fabricated the advice action added active and dynamic. The measurements of advice in altered formats creates botheration of access. In case of acceptable library area cardboard based advice and advice arrangement is bedfast to library and advice centers, burning admission appears to be limited. But, in a active arrangement of advice area everybody can admission to advice amid in limited library and advice centers through a arrangement is termed agenda information. The resultant abnormality is the actualization of agenda libraries area burning and simple admission to bookish advice is guaranteed. Since the advertisement action of all types of abstracts is fabricated electronically, the accumulation of agenda library is inevitable.

Keywords: Accessing E–Resources, Digital, Electronic Resources

1. Introduction

In accomplished few years the changes in advice administration activities as aftereffect of development in Internet applications which abutment the stakeholders of library accouterment account to the library users. In befitting with this vision, the Engineering Colleges libraries accept affianced in activities which accommodated accepted and approaching needs. E- Assets anatomy one of abounding kinds that the library collects to abutment its accepted collections. The library will accommodate permission to anal e-resources either aloft accession or for approaching archiving should be the agreeable provider no best be able to accommodate admission to the resource. For limited admission resources, the capital affair to anal them is unattainable; the library will alone accommodate a hotlink to the resource. Examples of cyber banking assets include, web sites, online databases, e-journals, e-books, cyber banking amalgam resources, appropriate to abutment analysis in the accountable covered, and may be audio, visual, and / or argument files.

2. Electronic Resource

"An **electronic resource** is defined as any work encoded and made available for access through the use of a computer. It includes electronic data available by (1) remote access and (2) direct access (fixed media). In other words: Remote access (electronic resources) refers to the use of electronic resources via computer networks. (AACR2, 2002 edition; glossary) Direct Access (electronic resources) refers to the use of electronic resources via carriers (e.g., discs/disks, cassettes, cartridges) designed to be inserted into a computerized device or its auxiliary equipment."

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"**Acquire** refers to any electronic resource, remote or direct access, which (1), the Library provides access to through official contractual, licensed, or other agreements (any of these electronic resources may or may not be owned by or housed at the library) or (2), the library receives through its acquisitions processes (e.g., purchase, gift, exchange, copyright deposit, ISSN requests, and transfer)."

"**Collect** refers to electronic resources owned by the library and selected for the permanent collections. It may also include resources stored elsewhere for which the library has permanent ownership rights".

"**Link** refers to pointers from the library's web resources or bibliographic records to remote access data".

"**Archive** refers to that process of maintenance in a secure and permanent digital repository managed by the library or for the benefit of the library."

3. Criteria for the Selection of E – Resources

The Library acquires electronic resources which rank high on the following list of criteria:

- Usefulness in serving the current or future informational needs of user/researcher
- Authenticity of the information provider
- Recall ratio of the unique information provided
- Scholarly content

- Specific Guidelines
  Consider the following when making the decision to recommend or select electronic resources.

- <u>**Content:**</u> The resource should meet the objectives of the researcher.
- <u>**Accessibility:**</u> Consider the following server reliability if registration is required, it should be judged appropriate and be accompanied by a privacy notice provision of links to sources for the plug-in software should be provided, if needed
- <u>**Standards:**</u> The resources should conform to prevailing technical standards and   computing equipment.

4. Methodology

The alignment of the proposed plan shows the architecture to present the accessible e-resources accessories in the library as per the users' claim and attracts the users' attention. It helps the user to advance the library accessories

actual interestingly. Engineering academy are application afterward methods to present the e-resources via internet.

5. Library Automation

Library Automation enhances all the library services through which any user can receive the desired information with the maximum comfort at lowest cost. Major areas of the automation can be classified into two (i) organising E-resources and (ii) housekeeping operations of library.

- **Library Networking** means networking of Libraries and Information Centers for some common pattern or design for sharing the resources for the benefit of the users.
- **Library Management** helps to gear up the following activities such as ICT developments, Technical Processing, Database creation etc.
- **Digital Library** A agenda library is an accumulated of agenda computing, accumulator and advice accouterment calm with the agreeable and software bare to reproduce, challenge and extend the casework provided by accepted libraries based on cardboard and added actual agency of collecting, cataloging, award and disseminating information. A abounding account agenda library accept to achieve all capital casework of acceptable libraries and aswell accomplishment the acclaimed advantage of agenda storage, analytic and communication. It provides admission to allotment of or all its collection, such as apparent texts, images, graphics, audio and video abstracts and added library items that accept been electronically converted, via the internet.
- **Technical Communication** consist of technical writing, editing, publishing, DTP systems etc,

6. ICT-Based User Services

The change in user behaviour urges the libraries to adopt ICT based applications. The users are required to access latest information and to update knowledge on information resources on their field. Thus, use of ICT in libraries enhances users satisfaction. The following are the benefits to library users. They are:

- fast and easy access to information
- remote access to users
- uninterrupted access to users irrespective of time.
- retrieval of unlimited information from various sources
- increases flexibility of information access
- formatting and combining of data from different sources is possible

- facilitates access to web OPACs
- provision of Electronic document delivery
- networked information resources
- delivery of information to user desktops
- online readers services

- E- Journal and E-Books Database

Journals are a basic antecedent of advice for the accurate analysis and development in academy libraries and advice centers. The amount of periodicals at present in estimated to be 1623566 of these 25,000 is scientific, abstruse and medical journals, 15, 0000 are referred bookish periodical, which are accessible on the net. Online admission to E-journals is accessible either chargeless adjoin book cable or for a nominal fee forth with book cable or such admission in provided either by the administrator or through their aggregators.

E- Assets accessible through online database through AICTE E- Admission Package. For the purpose of aggregate cable e- assets afterward journals can binding cable to all engineering institutions.

7. Subscription of E-Journals

Suggested e-journal packages for all engineering Institutions conducting UG/PG Courses are: The leading publishers like IEEE, Springer, Wiley-Blackwell, ASME, ASCE, JGATE, Elsevier, McGraw Hill, ASTM, Digital Library Online Version are publishing many journals in print as well as online are recommended by UGC and AICTE for all the Engineering disciplines.

8. Conclusion

Since designing and implementing e assets primarily depends aloft ability and accomplishment of the library professionals alive in the library. Advanced abilities are appropriate to administer systems and to be able to advance library. Engineering colleges libraries in India are adverse challenges due to account cut, bargain staff, abasement of rupee, in amount of publication. Due to the factors mentioned above, engineering libraries are award it difficult to buy appropriate amount of books and periodicals from AICTE notice. Many librarians accept that these assets accept afflicted the systems acutely some accept that they will absolutely annihilate selection. Although, it is accurate that the art of alternative is ability abstruse change, the alternative of assets is still acute for libraries & ability centers. Wider access, added accelerated updating, amount attenuative over centralized aliment and storage, the librar-

ians are award it difficult to ascertain issues accompanying to action of accumulating development and archiving of these cyber banking resources.

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