

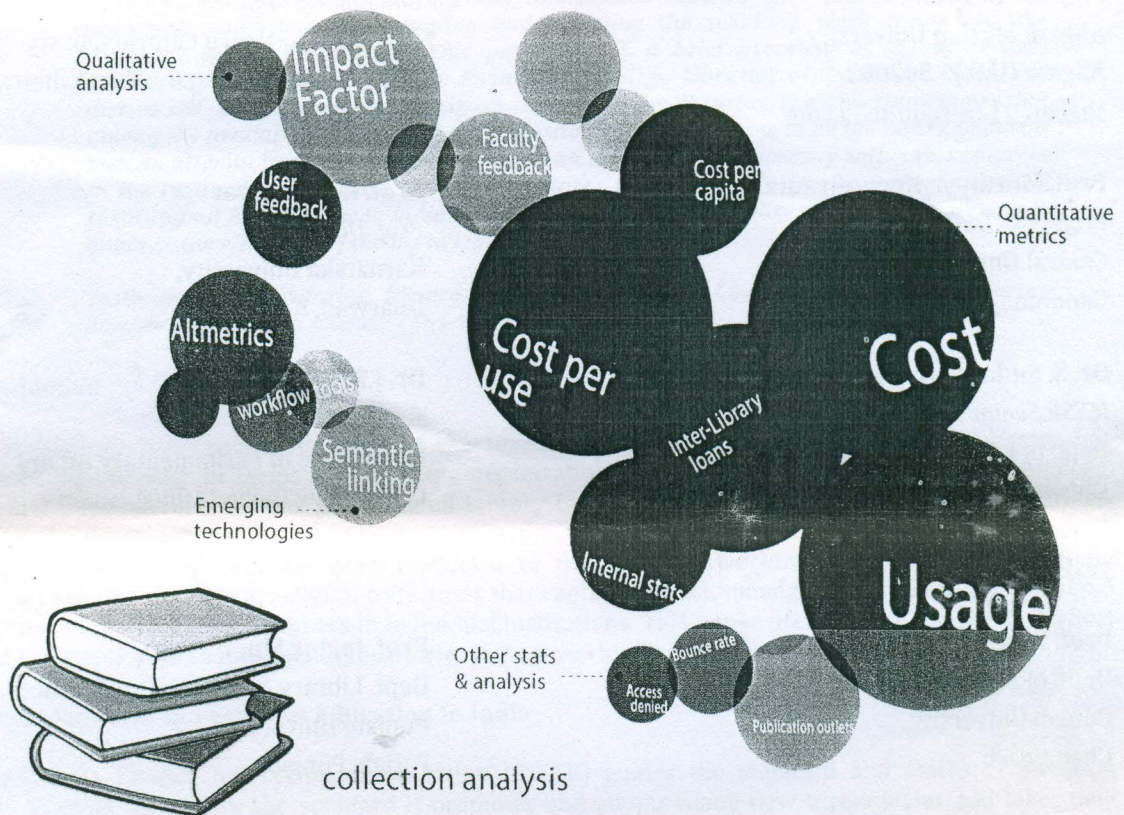


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Design and Development of Institutional Repositories (IR) in Engineering College Libraries of Karnataka: A Case Study

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Ever increasing information, emerging technologies, technology empowered users are the main source of the libraries to organize their requirements through digitized library services such as online Data Bases, Digital Libraries, and Institutional Repositories along with the other computer technologies. Institutional Repositories (IR) are one of the value added services of modern library and Information centres. They play a vital role by capturing, collecting, disseminating and reserving the scholarly work created by the members of the Institutions. This paper brings a brief overview of the most used Institutional Repositories (IRs) in Engineering College Libraries of Karnataka State, and discuss the possibilities of using DSpace software to the libraries. The case study shows that among the available free Institutional repositories, DSpace seems to be the most competent one. An attempt has been made to highlight on Institutional Repository software, resources in the Institutional repositories, Infrastructures required, Initiatives and development of Institutional Repositories in Indian context, role and responsibility of Librarians, aiming to enhance the efficiency of the IRs in Libraries.



Institutional Repositories, DSpace, Engineering College, Libraries, Digitization, Library science. Information science: Z665-718.8

1. Introduction

Technology has challenged many of the tasks of the library. In recent years, the library has transformed significantly in terms of collection, organization and services. Advent of digital technology, Internet and physical content resulted in Digital Library by preserving physical data in the digital format. These digital Libraries have the ability to enhance the access to information and resources. However, digitizing and preserving data has been restricted to the required working area of the organization. Institutional repositories (IR) are digital collections that capture, collect, manage, disseminate, and preserve scholarly work created by the members in individual institutions. This paper presents the results of an effort to Design and develop an Institutional repositories in Engineering College Libraries in Karnataka.

2. Current Scenario in Technical Education In India

All India Council for Technical Education (AICTE) guides the standard and status of technical education in India. To ensure the standard it promotes and adopts many new technologies and takes new initiatives. The emphasis is on e-governance to ensure transparency. In the Technical Institutions, more prominence has been given to the Libraries to enhance e-content and access. One such recent initiation by the AICTE is introducing several E-Journals mandatory to all Engineering Colleges throughout INDEST as a customized product.

3. Objectives of the Study

The objective is to make an analysis of the Design and Development of Institutional Repositories in Engineering College Libraries in Karnataka.

- To identify the Software used by the Libraries to design and Develop Institutional Repositories (IR) working in engineering colleges of Karnataka.
- To find out the software whether commercial or Open Source.
- To find out the resources of the IR to the modernization of libraries.