Chapter 7
Use of Institutional Repository for Information Dissemination and Knowledge Management

Madhava Rao
ARAI, India

ABSTRACT

The paper is a case study which gives a summary of the experience in disseminating information through an institutional repository at the Automotive Research Association of India, Pune. The paper has proven to cover different aspects of Knowledge Management (KM) and discusses more about Institutional Repository in Knowledge Management perspective. In this paper, we emphasize the need for deploying and share our experience in creating a state-of-art Institutional Repository using the DSpace software. The method of developing the IR, which includes, the installation, defining the communities and collections, content development and management are illustrated. The paper also illustrates the library services and mode of information dissemination to its users by engaging with knowledge management. It also discusses the proposed initiative of incorporating the library database from LibSys and linking the e-Modules from Learning Management System (LMS) to the institutional repository for the benefit of user community at ARAI.

DOI: 10.4018/978-1-5225-1741-2.ch007
INTRODUCTION

Knowledge Management (KM) has been encouraged as a valuable business concept for almost two decades. Although originally emerging in the world of business, the practice of knowledge management has now spread to the domain of non-profit and public sector organizations, including that of libraries.

Stephen Abram (1997), writing in an LIS context observed that knowledge can be shared but cannot be managed: In fact capturing knowledge in any form other than into a human being’s brain reduces it to mere information, or worse, data. Only the knowledge environment can be managed.

This has been reflected in the following definition of KM from an LIS perspective: According to Abell and Oxbrow (2001) the conception and subsequent management of an environment which encourages knowledge to be created, shared, learnt, enhanced, organized and utilized for the benefit of the organization and its customers.

Knowledge Management is a combination of people, process and technology. This involves people from a wide mixture of disciplines including, Information Technology (IT), Engineering Sciences, Library and Information Sciences and Human Resource Management (HRM).

Mr. B. Martin (2008) says that there are many possible strategic routes to KM including: building a technical infrastructure; structuring or restructuring into a learning organization; fostering a knowledge-friendly culture; establishing KM processes; and measuring or leveraging intellectual capital. In a broader perspective, Mr. M. Alavi (2000) says the goal of an effective KM strategy should be to enhance the creation, transfer and utilization of all types of organizational knowledge. Knowledge Management system facilitates the creation, access and reuse of knowledge, and its main goals are to promote knowledge development, communication, preservation and sharing for the right person at the right time.

The authors tried to present the role of an institutional repository, engaging with knowledge management and also attempts to overview the need for deploying and sharing experience in creating a state-of-art Institutional Repository using the DSpace software from the librarians’ perspective, towards the effective integration of knowledge as best practices in the daily organizational domain & business processes.

ARAI KNOWLEDGE CENTRE (LIBRARY)

The Automotive Research Association of India, well known as ARAI established in 1966 as a Co-operative Industrial Research Centre by the Automotive Industry and Government of India. It has grown substantially to become a Prime Research, Development and Testing Institute in India, bringing complete automotive technology
The Boston Library Consortium and RapidR: Partnering to Develop an Unmediated Book Sharing Module
www.igi-global.com/chapter/the-boston-library-consortium-and-rapidr/155414?camid=4v1a

Friends with Benefits: Fostering Community in an Academic Library with a Student Advisory Group
www.igi-global.com/chapter/friends-with-benefits/130832?camid=4v1a