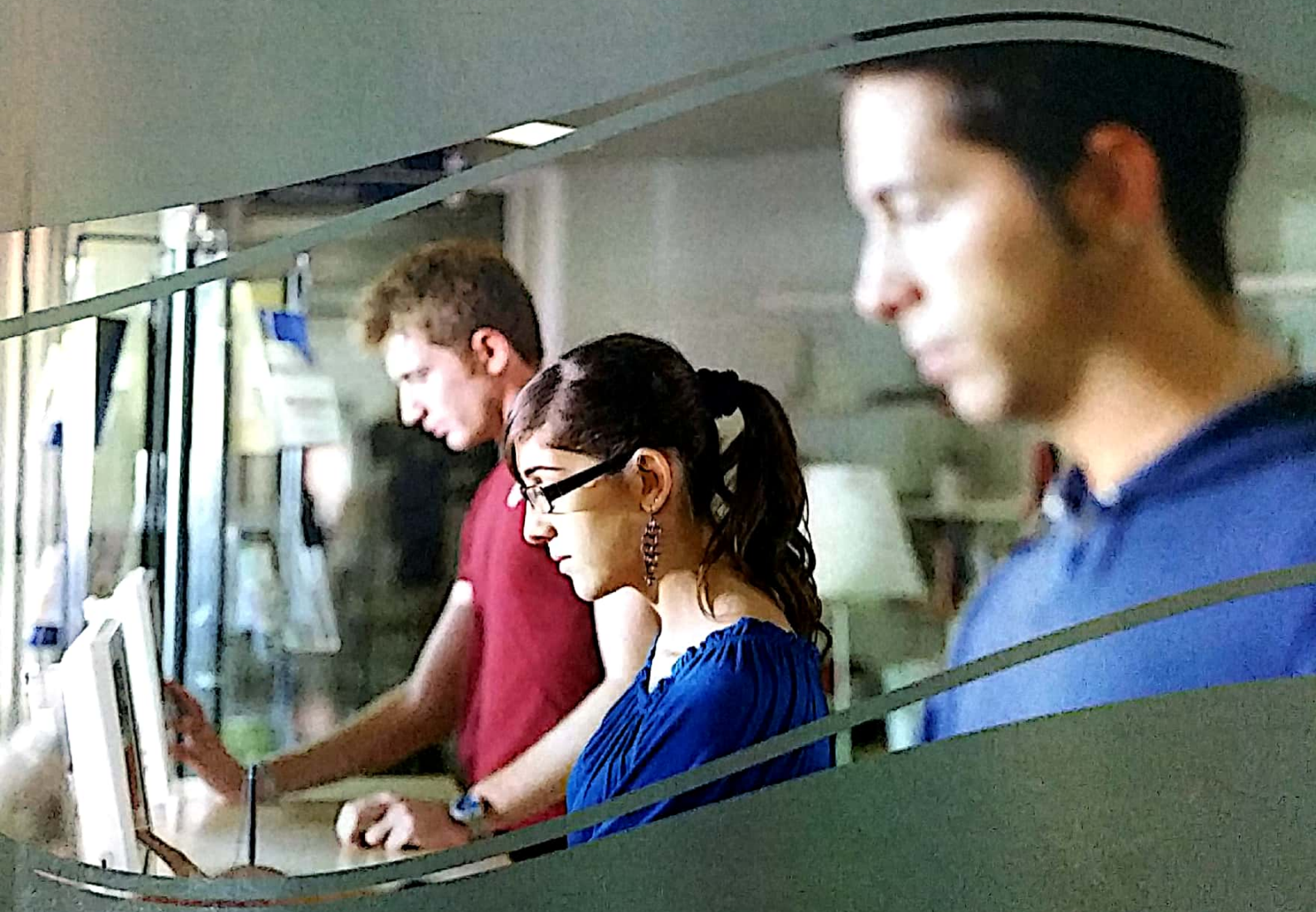
Handbook of Research on

Inventive Digital Tools for Collection Management and Development in Modern Libraries



S. Thanuskodi

IGI GLOBAL
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Chapter 13
Open Access Initiatives and Institutional Repositories: An Overview

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ABSTRACT

This chapter gives an over view of Open access initiatives and institutional repositories. It emphasizes the emergence and development of open access initiatives from various international declarations up to its present stage. Definitions, types, characteristic features and impact of open access on various sectors are discussed. Open access initiatives in India are briefly included. DOAJ and other global organizations are taken in to discussion with their recent events. Objectives of Institutional repositories are given with an emphasis on institutional repositories in India. It throws light on DOAR and ROAR. Types of institutional repositories and softwares used to create them are also discussed. Earlier and latest institutional repositories in India are listed in tables. Major Indian institutional repositories with their software used are also in the table form. Role of librarians and libraries on open access and institutional repositories are also included followed by a conclusion for the whole chapter.

INTRODUCTION

Research is an important component in an academic situation as it produces new knowledge. Nascent information is very essential to do research. The impact of information is very high in this technological era. Scholarly journals are required in large numbers to meet the specific needs of the users. Specializations in various disciplines are growing tremendously and a number of scholarly journals are increasing day by day with an escalating cost. But our library budget is shrinking, thereby causing a scholarly crisis (Joshi et al, 2012). To overcome this crisis 'open access' resources and institutional repositories are essential to meet the growing and specific information needs of the users. Open access means free online access to anyone with an internet connection and institutional repositories are online archives for the intellectual output of an institution particularly a research institution for the global visibility for that institution's scholarship.

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OVERLAPPING, PRECISION AND RELATIVE RECALL OF SEARCH ENGINES: A COMPARATIVE STUDY OF SEARCH ENGINES WITH META SEARCH ENGINES IN THE FIELD OF MEDICAL TOURISM IN KERALA

Research by

Naseehath .S

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Editor-In-Chief Dr. T. N. SHINDE

ABSTRACT:-

This paper presents a webometric study on six search engines. The search engines namely, Bing , Google and Lycos and metasearch engines namely Ixquick, Dogpile...

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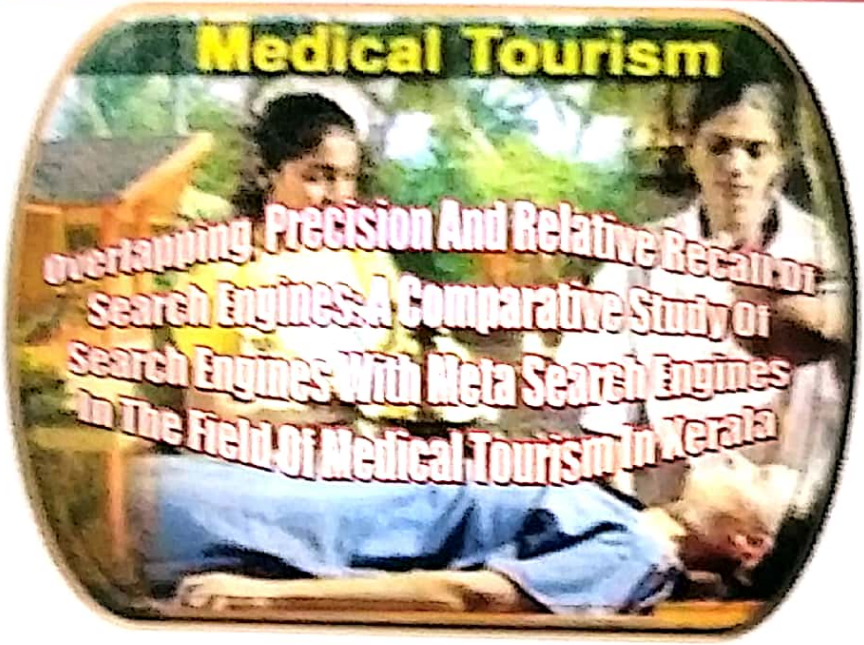

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OVERLAPPING, PRECISION AND RELATIVE RECALL OF SEARCH ENGINES: A COMPARATIVE STUDY OF SEARCH ENGINES WITH META SEARCH ENGINES IN THE FIELD OF MEDICAL TOURISM IN KERALA

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ABSTRACT

This paper presents a webometric study on six search engines. The search engines namely, Bing , Google and Lycos and metasearch engines namely Ixquick, Dogpile and Webcrawler are taken together to find out the extent of overlapping, precision and relative recall among them in the field of Medical Tourism in Kerala in which web resources are the only reliable information sources due to the multidisciplinary nature of Tourism. From this study it is revealed that Bing stands high in overlapping, precision and relative recall and metasearch engines show precision in similar range and low level relative recall in comparison with search engines.

KEYWORDS :webometrics, Search engines, overlap, precision, Relative recall.

INTRODUCTION

In this technological era, internet is the information superhighway and World Wide Web is one of the most popular internet services. It is a collection of websites and a network of web pages. These pages are the entities of information on the web. This is the information store of the internet. There are certain tools used to search information from the World wide web. They are called search engines. They search through all the web sites and create an index of the information of the web sites. E.g.:-, Google, Lycos, Bing etc. Quantitative analysis of the World Wide Web is named as webometrics by Almind and Ingwersen (1997). Webometrics is defined by Bojorneborne and Ingwersen (2004), as the study of the quantitative aspects of the construction and use of information resources and technologies on the web, drawing on bibliometrics and informetric approaches. In short webometrics is concerned with measuring aspects of the web: domain, web sites, web pages, words in web pages, links, web search engine results and web impact factor (Jeyshankar, 2011). Webometric research has fallen into two main categories namely link analysis and search engine evaluation. Search engines are also used to collect data for link analysis.

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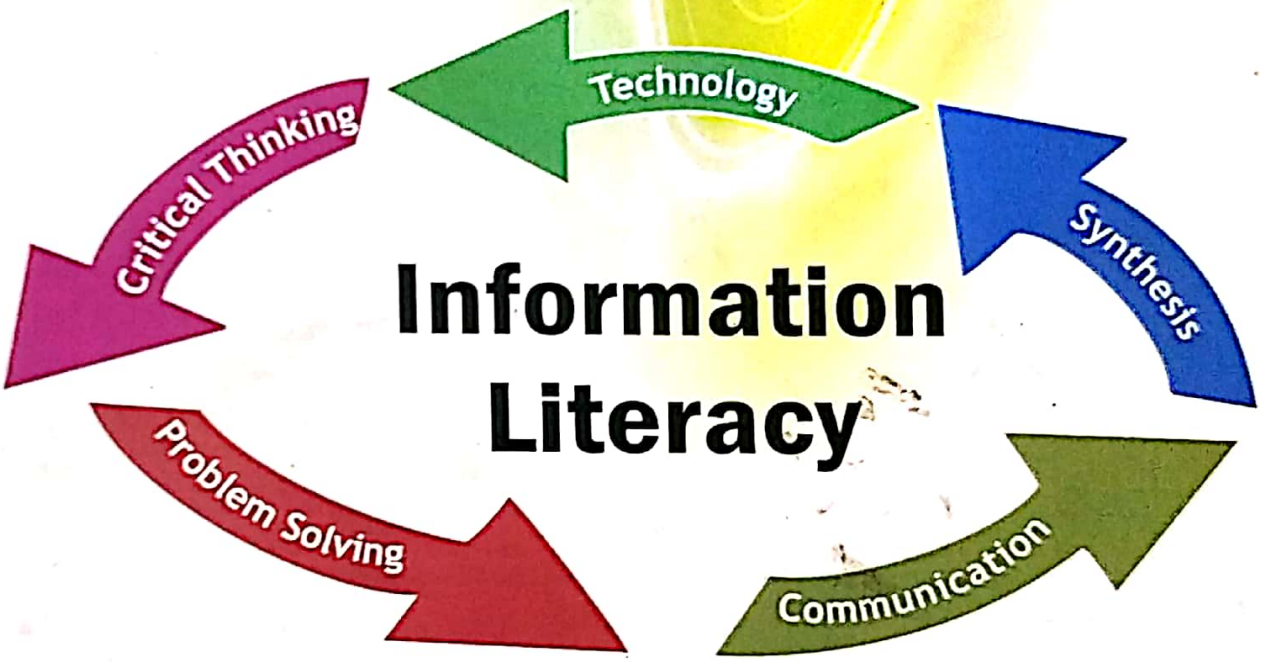

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OPEN DOAR: A STATISTICAL STUDY WITH SPECIAL REFERENCE TO INDIAN REPOSITORIES

S. Naseehath

Abstract

This study deals with the statistical report of the proportion of the repositories and their organizations in the open DOAR by continent wise and country wise. Features of repositories like types, language, software used, contents and subjects are taken for the study. Emphasis is given for the Indian Repositories and analyzed their features.

Introduction

Open DOAR (Directory of Open Access Repositories) is an authoritative and world wide directory of academic open access research repositories. It was started and initially developed by the University of Nottingham, UK and the Lund University Sweden. It is a project to list and categories the open access repositories around the world for the end users who wish to find particular archives by content, subject or by other measures. It also provides listings to service providers typically search services who wish to use the categorized list within their service. This will increase the accessibility and use of content of the repositories.

Open DOAR is one of the SHERPA (Securing a Hybrid Environment for Research Preservation and Access) services including RoMEO and Juliet run by the CRC (Centre of Research Communication) and funded by JISC (Joint Information Systems Committee), OSI (Open Society Institute), CURL (Consortium of Research Libraries) and SPARC (Scholarly Publishing and Academic Resource Coalition) Europe with contribution from the CRC host organization, the university of Nottingham. Open DOAR is primarily a service to enhance and support the academic and research activities of the global community. It maintains a comprehensive and authoritative list of institutional and subject based repositories .K B Oliver and R Swain in 2006 identified Open DOAR as a key resource for the open access community and as the leader in repository directories in a study by John Hopkins University. SHERPA got 2007 SPARC Europe award for the outstanding achievements in scholarly communication in connection with Open DOAR services.

Representation of a repository in Open DOAR; Archives of Indian Labour

Organisation:	V.V.Giri National Labour Institute, India
Description:	This is an archived collection of documents and histories of Indian Labour. The Archives of Indian Labour was constituted with the long-term objective to act as a specialised repository of records and voices of the workers which contains textual, visual and transcripts of oral records on labour in India. The interface is in English.
Software:	HTML
Size:	42845 items (2014-01-20)
Subjects:	Geography and Regional Studies; History and Archaeology; Social Sciences General; Law and Politics

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INFORMATION FOR ALL: A STRONG PILLAR OF DIGITAL INDIA

Dr. Naseehath S

Abstract

This paper gives an over view of Digital India with its components and Information for All as one of the pillars with some initiatives like IPLM and IPLC and their role in Public libraries in the Digital era. Initiatives by RRRL F and DEF are also mentioned. Digital India is a committed program launched by Government of India with a vision to transform India into a digitally empowered society and knowledge economy by providing good governance to people. It is an umbrella Program that covers multiple Government ministries and Departments in a synchronized manner. It weaves together a large number of ideas and thoughts into a single, comprehensive vision so that each of them can be implemented as part of a larger goal. Each individual element stands on its own, but is also part of the entire Government. It is approved to ensure that Government services are made available to citizens electronically by improving online infrastructure and by increasing Internet connectivity or by making the country digitally empowered in the field of technology. Digital India is implemented by the entire Government and being coordinated by the Department of Electronics & Information Technology (DeitY).

The Digital India initiatives include plans to connect rural areas with high speed Internet networks. The vision of Digital India is centred on three core components as the following.

(1) The creation of digital infrastructure- Infrastructure as a Utility to Every Citizen

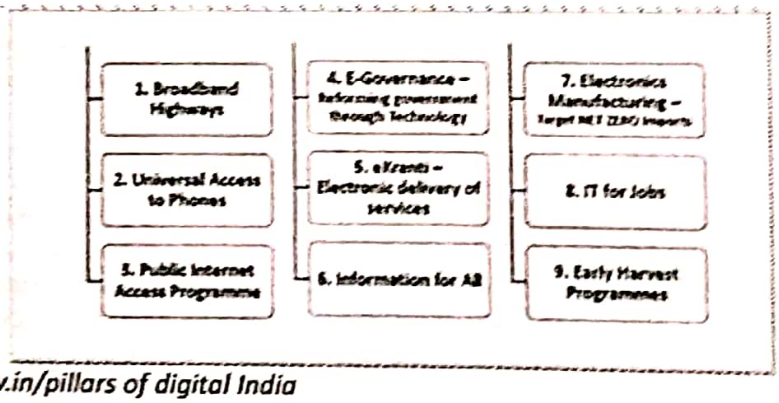
(2)Delivering services digitally- Governance and Services on Demand

(3) Digital Literacy- Digital Empowerment of Citizens.

Nine Pillars of Digital India

The nine pillars of digital India program include: Broadband highway, Universal accessibility, Public Internet connection, e-Governance, e-Kranti, Information for all, Electronics manufacturing, IT for jobs and early harvest program.

DIGITAL INDIA



Source: -www.deity.gov.in/pillars of digital India

Information for all

Information for all is the sixth pillar of Digital India which includes the following components

- **Open Data platform and online hosting of information & documents-** it facilitates open and easy access to information for citizens.
- **Government pro-actively engage through social media and web based platforms to inform citizens** .MyGov.in is a platform which provides a medium to exchange ideas/ suggestions with Government. It facilitates 2-way communication between citizens and government.
- **Online messaging to citizens on special occasions/programs** -It facilitates through emails and SMSs.
- **Utilize existing infrastructure and need limited additional resources-**Pulls together many existing schemes for restructuring and re-focusing. Many elements are only process improvements with minimal cost. The common branding of program in Digital India highlights their transformative impact.

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Open Access Publications Productivity of Technology in DOAJ:An Overview

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Abstract: Open Access literature is a providing universal access to information and knowledge. "Open Access" is a term used to explain a new technique of access to literature, that is, any reader has access to literature on the Internet at no cost. The basic purpose of this study is to provide a broad view of role towards open access journal movement, particularly the number of journals added in technology discipline in the Directory of Open Access Journals (DOAJ). Open Access articles are freely available online. Open access has make wider the possibilities both for disseminating one's own research and at the same time accessing the research work of others. Electronic publishing improved the way most researchers access literature in their field. Currently, Open Access is changing the way electronic resources are distributed. In this context the study has made an attempt to know the Open Access Science articles in DOAJ published during 2000 to 2018. It also made an attempt to know the number of Science articles published by various, countries, publishers and also in various languages.

Shodhgangotri: The Pulse of Indian Research

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Abstract: Shodhgangotri is an open access repository of Indian research in progress which is a new initiative that complements Shodhganga- The reservoir of Indian theses. Shodhgangotri hosts electronic version of approved synopses and research proposals submitted to the universities in India by research scholars for registering themselves for the Ph.D programme and reveals the trends and

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