

DIGITAL LIBRARY

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Objectives



- To enable staff effectively use the Greenstone Digital Library metadata.
- Empower NNRA librarians to use its functionalities and capabilities to build their own Digital Libraries.
- To create a knowledge sharing environment.

Introduction

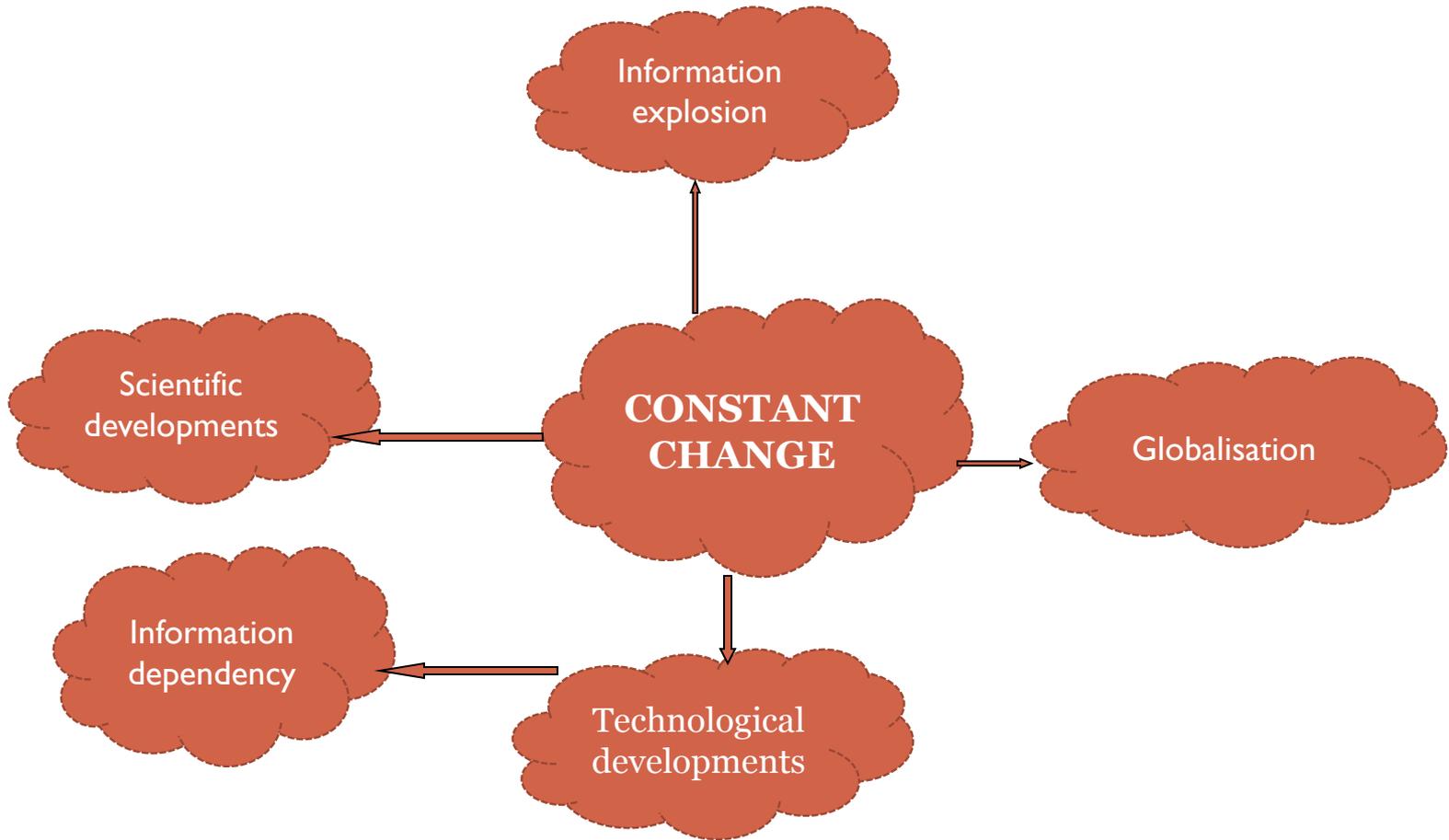


Traditionally, information was located in site-specific libraries and could be accessed through the use of library catalogues. Reading through long lists of abstracts and following citations laboriously from journal to journal, card catalogue was then called the “mirror to libraries”.

Information technology has influenced the very nature of business and management libraries. They are undergoing significant changes today not only in outlook but also in function, services, methods and techniques for collection development, processing and dissemination of information .

The conventional ‘brick’ and ‘mortar’ library where resources are constrained in a physical space is gradually giving way to hybrid models of ‘click’ and ‘mortar’ library. Making library portal the ‘mirror of every library’ which reflects the strengths and weakness of libraries effectively.

INFORMATION



Information explosion



- Because of the escalating complexity of this environment, individuals are faced with diverse, abundant information choices in their academic studies, in the workplace, and in their personal lives.
- Information is available through libraries, community resources, special interest organizations, media, and the Internet and they come to individuals in unfiltered formats, raising questions about its authenticity, validity, and reliability. Thereby pose challenges for individuals in evaluating and understanding it.

REPOSITORY



Repository is a portal for collecting, preserving, and disseminating digital copies of an intellectual output. This repository will collect writings of works, conference papers, workshop presentations.

Necessary because of web disappearance, or change, limited archive, unplanned.

- Software

Dspace,
Greenstone.

Documents



Explicit knowledge, such as recorded information in publications, documents, technical reports, etc.

Explicit knowledge which need stages of knowledge processing cycle, such as;

- Extracting knowledge from documents with the help of experts.
- Writing up and editing raw knowledge such as presentations, and turning it into processed knowledge (best practices and lessons learnt).
- Organizing the processed knowledge and adding index terms, abstracts etc.
- Disseminating knowledge through a variety of knowledge assets

Concept Clarification



A Digital Library is an organized collection of digital materials with associated services, accessible over networks.

- Born-digital, by digitizing,
- Hybrid Library

Greenstone is one of the open source software developed for digital library.

Greenstone



Greenstone is a comprehensive open source software suit for building, maintaining and distributing digital library collections. It provides a new way of organizing information and publishing it on the Internet or Intranet in the form of a fully-searchable, metadata-driven digital library.

It can be accessed and distributed through the Web.

Features of Greenstone



Powerful indexing, i.e. full-text, documents, sectional indexing.

Metadata-based including field-based and automatic indexing.

Powerful search and browsing functions including full-text, field search,

Benefits



- **No physical boundary.** The user of a digital library need not to go to the library physically; people from office tables can gain access to the same information, as long as an Internet connection is available.
- **Round the clock availability** A major advantage of digital libraries is that people can gain access 24/7 to the information.
- **Multiple access.** The same resources can be used simultaneously by a number staff at the time.

Benefits cont'd



- **Information retrieval.** The user is able to use any search term (word, phrase, title, name, subject) to search the entire collection. Digital libraries can provide very user-friendly interfaces, giving clickable access to its resources.
- **Space.** Whereas traditional libraries are limited by storage space, digital libraries have the potential to store much more information, simply because digital information requires very little physical space to contain them and media storage technologies are more affordable than ever before.

Greenstone display



Yet to be linked to NNRA website

Recommendations



- ICT- Develop a link to zonal offices.
- Get an original greenstone software(for repository).
- Librarians in house training of the GS (objective).
- Scanners.

References



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- www.greenstone.org
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Thank you