

# Need for Digital Libraries in Colleges

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# How and Why Libraries Changing

- ▶ Migration from print to electronics
- ▶ Co-relation with measures
  - Collections
  - Staff
  - Infrastructure
  - Equipment
  - Space
- ▶ Services
  - Inter-library Loan
  - Class-room instruction
  - Gate Counts
  - Electronic Resource Use
  - Printing & Photocopying

# Impact of Environmental Factors

- ▶ Change in reading habit
- ▶ Change in curriculum
- ▶ Change in technology & infrastructure
- ▶ Use of social media

# What is Digital Library?

A digital library is an organized and focused collection of digital objects, including text, images, video and audio with the methods of access and retrieval and for the selection, creation and organization, maintenance and sharing of collection.

# Digital Libraries in Support of Student Learning

- ▶ Content is current
- ▶ Quality of the content
- ▶ Comprehensive in content
- ▶ Easy manipulation due to various formats
- ▶ Students publishing for sharing
- ▶ Ready accessibility though distributed
- ▶ Easy navigation without interruption

# Five Laws of Library (information) Science

- Information for use
- Every piece of information has a user
- Every user has an information
- Access to Network of information saves the time of user
- Information Network keeps expanding

# Building a Digital Library @ Planning Stage

Co-relate to College Requirement & Management

- Revisit Collections
- Identify Open Source Software
- Train the library staff
- Plan the hardware, software and network connection

# Building a Digital Library @ Implementation Stage

Co-relate to Library Collection  
and Student Requirements

- Segregate collections for digitization
- Design Metadata
- Consolidate contents
  - Born-digital contents
  - Digitized contents
- Add contents regularly
- Be cautious of copy-right issues



# Building a Digital Library @ Marketing and publicizing Stage

*Co-relate to Students Behavior and Faculty Collaboration*

- Broadcast to faculty & students with appropriate link
- Monitor usage  
(in-built statistics enabled)
- Introduce new contents
- Enhance the formats
- Collaborate with faculty for additional contents

# Building a Digital Library @ Use and Re-Use Stage

*Co-relate and Match Users  
with Contents*

- Influence and minimize downloads
- Motivate for re-use
- Caution about Copyright Issues
- Help users
- Locate resources
- Open Access Vs Traditional Access
- Navigate different interfaces

# Building a Digital Library @ Research & Re-invent Stage

- Through Library Webpage
- Through Library Online Catalogue
- Through Library Electronic Bulletin Board
- Through Co-operation and Inter Library Linking
- Dialogue for Library Contents Usage

# Digital Library Softwares

Open Source Softwares	Operating System Supports	For Which Contents
Dspace by MIT & HP Labs, USA	Linux, Windows	Research Papers, Theses, Manuscripts, images, mpegs and data sets.
Greenstone by University of Waikato, New Zealand	Windows, Linux and Mac OS	Theses, Images, Manuscripts
E-Prints by Southampton University, UK	Linux, Windows	Research literature, Scientific data, Theses, Reports and Multimedia
Fedora Commons by Researchers at Cornell University, USA	Linux	Books, Reports, Journal Articles, Lecture notes, Technical reports, Thesis, Images, audio/video files, data set files etc
Invenio, by CERN, European Organization for Nuclear Research, Switzerland	Unix Like OS	Articles, books, journals, photos, videos, and more

# Digital Library Softwares

Proprietary Softwares	Operating System Supports	For Which Contents
DigiTool by Ex Libris, USA	Linux, Unix, Solaris	Research Papers, Theses, Images, Multimedia files.
Vital by VTLS Inc.,USA	Linux	Photographs, slides, sound clips, digital video, conference proceedings, research papers, e-journals, Electronic Theses and Dissertations, and much more.
CONTENTdm, by OCLC, USA	Linux	Newspapers, Books, maps, slide libraries or audio/video.
eShelf by Orell Software Solutions Pvt. Ltd. , Kochi, India	Windows	Articles, Books, and audio/video.

# Library Automation Softwares

Open Source Softwares	Operating System Supports
KOHA by Katipo Communications for the Horowhenua Library Trust in New Zealand	Linux, Windows
NewGenlib by Kesavan Institute of Information and Knowledge Management, Hyderabad, India	Linux, Windows
Evergreen by Public Information Network for Electronic Services (PINES), USA	Linux
OpenBiblio by OpenBiblio development team, Maintained By Hans van der Weij	Linux, Windows
PMB (PhpMyBibli) by PMB Services (a French Company).	Linux, Windows, Mac OS

# Library Automation Softwares

Proprietary Softwares	Operating System Supports
LIBSYS, Libsys Ltd., New Delhi, India	Linux, Windows
LIBSUITE by Soft-AID Computers Pvt Ltd., Pune, India	Linux, Windows
SLIM++ by Algorithms Consultants Pvt., Ltd., Pune, India	Windows
SOUL(Software for University Libraries) Developed by INFLIBNET, Gujarat, India	Windows
Symphony by SirsiDynix, USA	Unix, Linux, Windows

# Databases

JSTOR	JSTOR provides access to Arts, Business and Economics, History, Humanities, Science and Mathematics, Social Sciences, Law, Medicine and Health (Archive collection of Journals)
IEEE	IEEE provides Web access to world's most highly cited publications in electrical engineering, computer science and electronics.
SPIE Digital Library	The World's largest collection of Optics and Photonics, applied research



# OA Repositories Content

- ▶ Research Papers
- ▶ Annual Reports
- ▶ Newsletters
- ▶ Theses
- ▶ News Paper Clippings
- ▶ Technical Reports
- ▶ Posters, Brochures...
- ▶ Manuscripts
- ▶ Books
- ▶ Conference Proceedings
- ▶ Patents
- ▶ Video Files
- ▶ Photos
- ▶ Pre-prints