



National Workshop on Open Source Solutions for Library Management in Digital Era 4th – 8th January 2023

Organized by

**School of Studies in Library and Information Science,
Jiwaji University, Gwalior**

Sponsored by

**Raja Rammohun Roy Library Foundation
(Autonomous organisation, Ministry of Culture, Govt. of India)**

THE HOST

SOS in Library and Information Science, Jiwaji University, Gwalior (M.P.) was established in University in 1984 to impart quality education and modern skills in the field to the students of region leading to Bachelor's Degree in Library and Information Science and Master Degree in Library and Information Science. The Department is extensively engaged in teaching, research and career guidance too. The majority of the pass outs from the department have occupied good positions throughout the country. In the new millennium, the department is planning to establish a highly efficient computerized information system in the University. This job oriented course has been modernized with use of the latest equipment in teaching and training at under graduate, post graduate and research level.

ABOUT RRRLF (RAJA RAMMOHUN ROY LIBRARY FOUNDATION)

RRRLF is a central autonomous organization established and fully financed by the Ministry of Culture, Government of India. RRRLF is registered under the West Bengal Societies Registration Act, 1961. It is the nodal agency of the Government of India to support public library services and systems and promote public library movement in the country commensurate with the objectives as embodied in its Memorandum of Association, year 1972 is a significant year in the history of library movement in India. It was the bicentenary year of the birth of Raja Rammohun Roy, a pioneer social reformer who had stressed the need for modern education for the progress of the nation. It was in this auspicious year that Raja Rammohun Roy Library Foundation (RRRLF) was established in May, 1972 by the Department of Culture, Govt. of India to spread library services all over the country in cooperation with State Governments, Union Territory Administrations and Organisations working in the field to promote library movement in the country

- to enunciate a national library policy and to help build up a national library system
- to provide financial and technical assistance to libraries
- to provide financial assistance to organisations, regional or national engaged in the promotion of library development

- to publish appropriate literature and to act as a clearing house of ideas and information on library development in India and abroad
- to promote research in problems of library development
- to advise the government on all matters pertaining to the library development in the country

THE CENTRAL LIBRARY

Jiwaji University, Central Library as a centralized information resources and allied facilities was established in 1966 in a separate multi-storied building fully equipped with furniture, equipments, reading resources and other accessories with Great study environment. Its resources, activities and services cater to fulfil informational needs and demands of various users' categories as students, researchers, faculties, academicians, administrators, policymakers and others. It also enhance, and aid, to teaching and research activities of approx. 450 Government/ Private Colleges of Gwalior -Chambal Division affiliated to Jiwaji University, Gwalior.

ABOUT GWALIOR

Gwalior is a historic and major city in the Indian state of Madhya Pradesh and one of the Counter-magnet cities. Located 319 kilometres (198 mi) south of Delhi the capital city of India, Gwalior occupies a strategic location in the Gird region of India. The city and its fortress have been ruled by several historic northern Indian kingdoms. From the Tomars in the 13th century, it was passed on to the Mughals, then to the Marathas in 1754 followed by the Scindias in 18th century.

Besides being the administrative headquarters of Gwalior district and Gwalior division, Gwalior has many administrative offices of Chambal Division of northern Madhya Pradesh. Several administrative and judicial organizations, commissions and boards have their state, as well as national, headquarters situated in the city. Gwalior was the winter capital of the state of Madhya Bharat which later became a part of the larger state of Madhya Pradesh. Before Indian Independence on 15 August 1947, Gwalior remained a princely state of the British Raj with Scindias as the local ruler. High rocky hills surround the city from all sides, on the north it just forms the border of the Ganga- Yamuna Drainage Basin. The city however is situated in the valley between the hills. Gwalior's metropolitan area includes Lashkar Gwalior (Lashkar Sub-city), Morar Gwalior (Morar Sub-city), Thatipur and the City Center.

BACKGROUND

The term "**Open Source**" refers to something that can be modified because its design is publicly accessible. Open source software is software whose source code is available for modification or enhancement by anyone. Nowadays, many people prefer open-source software because they have more control over that kind of software. They can examine the code to make sure it's not doing anything they don't want it to do, and they can change parts of it they don't like. Users who aren't programmers also benefit from open-source software, because they can use it for any purpose they wish—not merely the way someone else thinks they should.

Some people prefer open-source software because they consider it more secure and stable than proprietary software. Because anyone can view and modify open-source software, someone might spot and correct errors or omissions that a program's original developer might have missed. And because so many programmers can work on a piece of open-source software without asking for permission from the original developers, open-source software is generally fixed, updated, and upgraded quickly.

The proposed workshop is being planned in the context of the latest applications of Koha, DSpace, and data migration in library and information environments. In view of the emerging circumstances, the present training workshop is proposed to be held at the School of Studies in Library and Information Science, Jiwaji University, Gwalior.

OBJECTIVES OF THE WORKSHOP

The workshop is intended to equip participants with technical skills for automating and digitizing their own libraries with the following objectives:

- To create awareness among professionals about open source technology & its application in library
- To make the library professionals technically sound so as to automate, digitize their library considering the issues of copyright independently without any support & develop the web application to control the information explosion
- To enable the library & information professionals to face the technological challenges such as data migration, multi-branch handling, installation etc.
- And, to strengthen the society & professionals

WORKSHOP CONTENTS

About Koha

Koha is the first Open Source Integrated Library Management System (ILMS) which includes Acquisition, Cataloguing, Circulation, and Serial Control & Online Public Access Catalogue with many more advanced features. Koha supports International library standards and protocols which ensures interoperability between Koha & any other library management system. It supports technologies and international standards such as MARC 21, RFID

, z39.50, web 2.0 etc. The software is fully customizable and includes all modules expected in any standard library management system.

Salient Features:

- Supports International Standards & Protocol such as MARC 21, z39.50 etc.
- Supports Import/Export data compatible to MARC
- Multilingual & Strong Web OPAC
- Comprehensive advance search
- Flexibility to customize online public access catalogue according to your library needs
- OPAC can be used as Content Management System
- Printing functions for barcode labels, patron cards and reports
- Virtual Book Shelf & Course Reserve
- Supports copy cataloguing
- Provision to have branch libraries and items transfers
- Budget & Fund Management
- Customizable Data Entry Sheet (In different framework) & supports import/export MARC framework
- No platform dependency. It can run on Linux, Windows etc.
- It uses MySQL as backend RDBMS and Apache Web server (Open Source Software)
- Support Multiple Instances (One can create more than 1 library with different database)

Data Migration:

Data migration is the process of moving required volume of data from existing systems to new systems. Existing systems can be anything from custom-built IT infrastructures to spreadsheets and standalone

databases. Data migration encompasses all the necessary steps to cleanse, correct and move data into a new system. Technological changes, change in providers, software updates or data warehousing/data mining projects make such delicate and critical operations necessary.

Some key terms in understanding data migration are:

- Legacy data is the recorded information that exists in your current storage system, and can include database records, spreadsheets, text files, scanned images and paper documents. All these data formats can be migrated to a new system.
- Data migration is the process of importing legacy data to a new system. This can involve entering the data manually, moving disk files from one folder (or computer) to another, database insert queries, developing custom software, or other methods. The specific method used for any particular system depends entirely on the systems involved and the nature and state of the data being migrated.
- Data cleansing is the process of preparing legacy data for migration to a new system. Because the architecture and storage method of new or updated systems are usually quite different, legacy data often does not meet the criteria set by the new system, and must be modified prior to migration. For example, the legacy system may have allowed data to be entered in a way that is incompatible with the new system. Architecture differences, design flaws in the legacy system, or other factors can also render the data unfit for migration in its present state. The data cleansing process manipulates, or cleans, the legacy data so it conforms to the new system's requirements.

About DSpace:

DSpace is an open source repository software package typically used for creating open access repositories for scholarly and/or published digital content. While DSpace shares some feature overlap with content management systems and document management systems, the DSpace repository software serves a specific need as a digital archives system, focused on the long-term storage, access and preservation of digital content.

An overview:

- DSpace is an open source software and is freely downloadable from <http://www.dspace.org>
- Submission facility enables researchers to submit document easily from anywhere
- Workflow feature allows moderation of the submitted documents
- Conforms to the standards like Dublin Core and OAI-PMH v.2.0
- Security can be built at various levels to enable restricted access
- Indian Language based digital libraries can be built as it conforms to the UNICODE standard

Areas Covered

The following areas will be covered in the workshop and hands on practical training will be given in these areas:

- Open Source System & Why Open Source System?
- Introduction to Linux, installation of Ubuntu (to dual boot along with Windows), understanding Ubuntu file system layout, creation of user and group, basic commands
- Koha & it's different modules such as Acquisition, Cataloguing, Circulation, Serial Control & OPAC
- Koha Self Video Tutorial covering details about all the modules available in the Koha
- Step-by-step PDF manual on "How to implement Koha?"
- Customization of Koha Online Public Access Catalogue

- Detailed discussion on Cataloguing MARC-21 framework
- Handling of Multi Libraries & Branch Libraries with Koha in the same server
- Notices to Patron by e-mail
- Build Digital Repository – community and collection
- Assigning privilege to the collection, Metadata, Copyright, Issues & Challenges
- Web application development for managing resources and also disseminating the library information to the users.

TARGET GROUP

The workshop will target various professionals such as students, working professionals (in Public, Academic and Research Libraries) / researchers / faculty members and educators including computer professionals.

MODE OF PROGRAM

The programme will be conducted in offline mode.

Number of Participants will be – 40 (Forty)

REQUIREMENT FOR CERTIFICATION

All participants are required to attend all sessions throughout the program, Feedback to be submitted for all the sessions by the participants.

PARTICIPATION

Only 40 participants in offline mode with accommodation/without accommodation will be allowed to participate in university premises. The participants will have access to state of art Lab and Library facility for practical hands-on and attending demonstrations.

Note: The certificates will be issued based on attendance and participation in all the sessions and only after the assessment test.

VENUE

School of Studies in Library and Information Science, Jiwaji University, Gwalior – 474011.

WORKSHOP DATE, DURATION & TIMING:

Date : 4th – 8th January 2023

Duration : 5 Days

Timing : 9:00 am – 5:00 pm

FEE

- **Student without Accommodation - ₹1000**
- **Student with Accommodation - ₹2500**
- **Working Professional without Accommodation - ₹2000**
- **Working Professional with Accommodation - ₹3500**

- **Participants with accompanying person - ₹6000**

ACCOUNT DETAILS

- **ACCOUNT HOLDER NAME** - Mr. REG. JIWAJI UNIVERSITY
- **BANK NAME** - CENTRAL BANK OF INDIA
- **BRANCH** - JIWAJI UNIVERSITY CAMPUS GWALIOR
- **ACCOUNT NO.** - 5321333279
- **MICR CODE** - 474016012
- **IFSC CODE** - CBIN0283189
- (Zero between "1" and "2")

LINK OF GOOGLE FORM

<https://forms.gle/mZ16tz9cwTsgAvZx5>

TRAINING WORKSHOP METHODOLOGY

Lectures and Practical Demonstrations

Patron

Prof. Avinash Tiwari
Vice-Chancellor
Jiwaji University
Gwalior

Co-patron

Registrar
Jiwaji University
Gwalior

Advisory Committee

Prof. O. P. Mishra
Prof. I. K. Patro
Prof. A. K. Singh
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Dr. Ram Shankar
Dr. Nidhi Shrivastava
Ms. Ambika Bhadauria
Ms. Khushbu Rahat
Mr. Veeru Singh Dangi
Mr. Sumit Gupta

Organizing Secretary**Dr. J.N. Gautam****Professor and Head**

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