



Short-Term Course on Open Source Software for  
**Library Management**  
(OSSLM-2023)

**Date:** 10-15 July 2023

**Venue:** Central Library, IIT Kharagpur

Website: <https://library.iitkgp.ac.in>

# Theme of the Short Term Course

*the Short Term Course is to provide theoretical foundation as well as hands-on training on some of these software to the library and information professionals working in India and abroad.*



*There are data wrangler tools like openRefine, AWS, Trifacta. Library also require to submit various statistics regarding faculty publications for institutional ranking purpose.*

Library plays a crucial role in providing seamless access to information, effectively managing huge digital information base, supports lifelong learning, catering the day-to-day information requirement of the users, educating users regarding various research tools and so forth. In order to fulfill the need of the users, library professionals should keep abreast of the latest technological development in the field of information processing and delivery. The week-long short-term course aims to develop a sound knowledge base of the users through a few theoretical lectures (20%) and followed by hands-on-training (80%) to make the technology usable. Constant leveraging the technology learned in the workshop will definitely strive to server the organizations or institute in a better way. As IIT Kharagpur is hosting National Digital Library of India (NDLI), participants will have an added advantage to know more about the functionalities and operations of the digital library and they can take expert opinion and service from us.

Due to worldwide open access initiatives, not only digital resources including books and technical articles, but many useful open-source software and tools are also available that can be harnessed to successfully and cost-effectively run the modern libraries. It is well-know that the major functions of academic and research libraries are: a) developing collection blended with print and digital; b) managing these huge collection through integrated library management system(ILMS); c) managing institutional repository (IDR); d) providing reference services or digital reference service; e) various specialized database services; f) knowledge about digital copyright law; and g) managing its own websites for showcasing to the users on the resources and services of what the library has! Besides these regular activities, academic libraries and researchers are involved in managing huge data. Data management involves data acquisition, filtering, manipulating, storage and providing seamless access to the users. There are data wrangler tools like openRefine, AWS, Trifacta. Library also require to submit various statistics regarding faculty publications for institutional ranking purpose. In order to support this, various tools and techniques on bibliometric analysis will be covered using open source software bibliometrixR. Also, a few data visualization tools like Pajek, VOSViewer, CiteSpace, Gephi, Sci2 will be covered in the course.

The main theme of the Short Term Course is to provide theoretical foundation as well as hands-on training on some of these software to the library and information professionals working in India and abroad. The Short Term Course intends to cover the essential concepts and technologies for smooth functioning and building a Smart Library. A true hands-on training will be imparted to all the participants enabling them for installation, configuration and running some of the essential open source software in their libraries.

# About Central Library

*The Central Library is regarded as the heart of our institute.*

It fulfils the information needs of the users mainly towards the completion of their academic programmes as well as the research activities. At present, the Library is catering to the needs of more than 15000+ students of undergraduates, postgraduates, research scholars, seven hundred faculty members and more than one thousand staff members of the Institute.

As far as facilities are concerned, the Central Library has six air-conditioned reading halls with 2000 seating capacity for the users. The Central Library has 24x7 hrs reading room facility for 15 days during Semester Exam of the UG and PG Students. Library users can make payment for their Library fines, photocopying, printing and scanning through debit and credit card. Central Library and CIC have facilitated access of online journals and e-books for all the students currently staying outside campus using Institute Wi-Fi login credentials at <https://vpn.iitkgp.ac.in/journal> access.



The Library has provided users awareness programme through lecture and demonstration mode to the users of the library for easy access of the library resources and databases. The digital library section is continuously providing supports to the users for the databases like Bloomberg, indiastat.com, CMIE, JCPDF and other databases. Digital Library Section of the library is also providing the Grammarly and Turnitin facilities for checking grammars and plagiarism for the articles and theses to be submitted to the departments by the research scholars. The library has completed the extension of digital library by setting up of 80 high end PC Lab. The Acquisition Section of the Library has procured 1115 books in print form during 2022-23 and total print books is 2,75,254 as on 31-March 2023;

The Central Library is a ISO 9001:2015 certified library since 2014. The Library is having 23,780 journals titles and more than 2,18,571 e-books, various standards, 30 electronic databases as on 31-March 2023. Mobile Compact System has been installed in the Ground floor, Annex Building of the Library to keep the bound volume of the periodicals. The Library has 1,32,000 bound volumes. Technical Section of the library has 7,760 number of PhD thesis as on March 31, 2023. Central Library has recently provided various online services as well as digitize printed theses and old damage print book for which one high-end scanner has been procured recently. Now the Digital Library has two high-end face up book scanners. The Digital Library has also set up an Institutional Digital Repository (IDR) to preserve the metadata of digitized contents as well as full-text of the theses and books for digital preservation and online services.



# National Digital Library of India (NDLI) Project

*The Ministry of Education (MoE) under NMEICT initiated the National Digital Library of India (NDLI) in April 2015 with the vision to develop a 'One Library-All of India' portal.*

<https://ndl.iitkgp.ac.in>





NDLI Portal (<https://ndl.iitkgp.ac.in>) was nationally launched on 19th June 2018 and it is also available as Mobile App (Android and iOS) and on the UMANG Platform.

*NDLI currently hosts **94+ million** content. Full text of **73+ million** (80.1%) contents can be accessed free by anybody without even registering/logging in.*

NDLI also host about 6.64 lakh nationally licensed contents, which though otherwise subscribed, can be accessed free through NDLI cover all academic levels- KG to PG and life-long learners, all disciplines and all subjects. It provides curated collections for students on Study-AT-Home, Examination Preparatory and COVID-19 Research Resources. NDLI has a registered user base of 77 lakh but actual users are manifold since many users view/download content without registering. The average daily content view/download is about 3.5 lakh and **since the onset of the pandemic, more than 16.5 crore content has been viewed/downloaded from NDLI.**

# About IIT Kharagpur

**Indian Institute of Technology**, Kharagpur is one of the oldest reputed engineering institutions established by the government of India in 1951. The institute is presently having 15000 students, 750 faculty members and 1500 administrative staff. The institute has 19 academic departments, 7 centers, and 8 School of excellence. The institute offers 15 B.Tech (Hons.) programs, 38 dual degree programs, 2 interdisciplinary dual degree programs, 6 integrated M.Sc programs, 5 two years M.Sc degree programs of Joint M.Sc PhD.

For more detail please visit

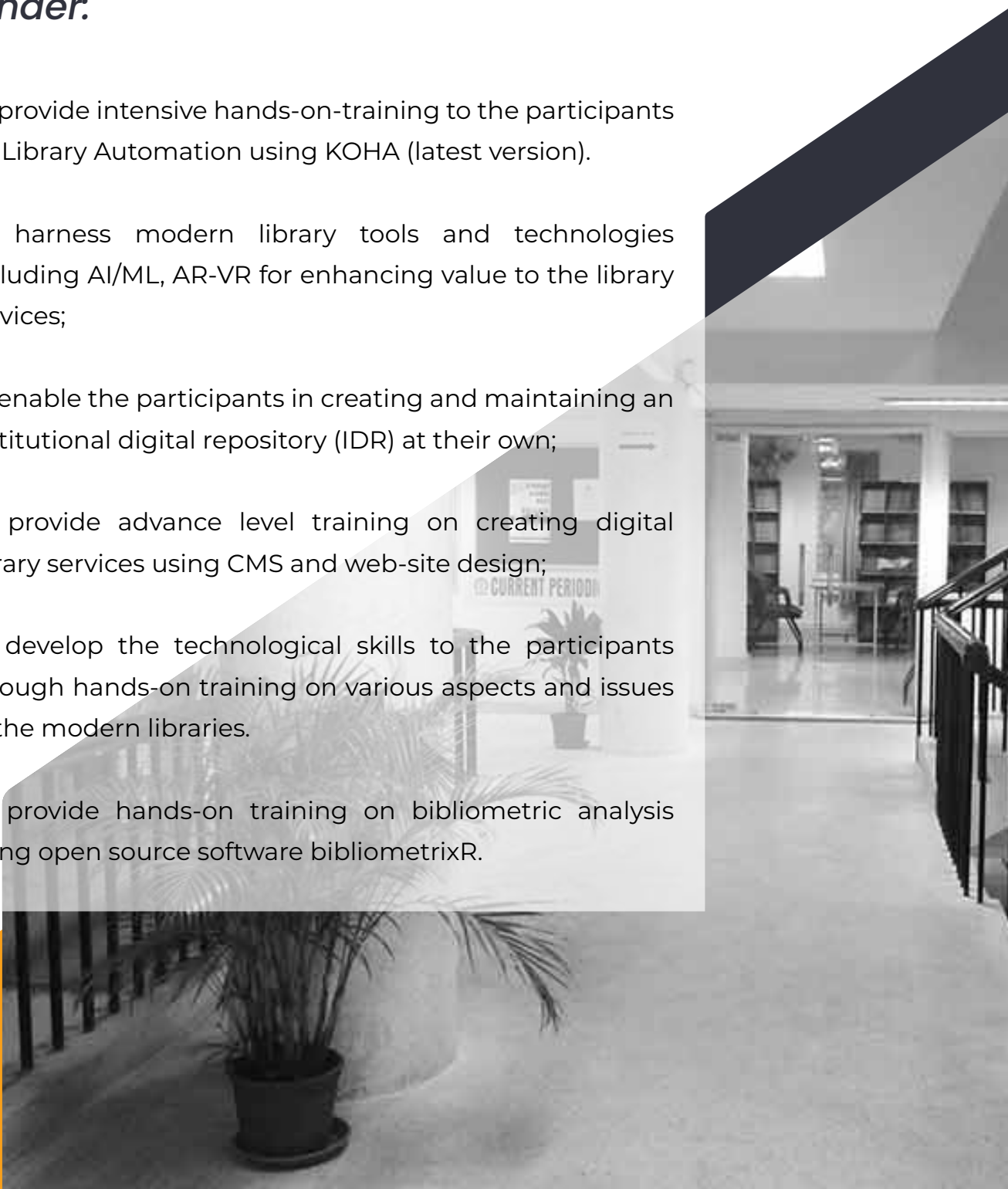
<http://www.iitkgp.ac.in>.



# Our Objectives

*Some of the major objectives of this event would be as under:*

- To provide intensive hands-on-training to the participants on Library Automation using KOHA (latest version).
- To harness modern library tools and technologies including AI/ML, AR-VR for enhancing value to the library services;
- To enable the participants in creating and maintaining an institutional digital repository (IDR) at their own;
- To provide advance level training on creating digital library services using CMS and web-site design;
- To develop the technological skills to the participants through hands-on training on various aspects and issues of the modern libraries.
- To provide hands-on training on bibliometric analysis using open source software bibliometrixR.





# How to Reach

Kharagpur is situated about 120 km West of Kolkata.

Participants can reach to Kharagpur in about 2 hours by train from Howrah Railway Station or 3 hours by car from Kolkata Airport. Kharagpur is also connected by direct train services to most major cities of the country. The Institute is about 10 minutes' drive (5 km) from the Kharagpur Railway Station. Private taxis are available from Kharagpur station to reach the institute.

## Target Participants & Limited Seat Availability

Interested academicians, working professionals and research scholars in the field of Library and Information Science may attend this advanced training programme, which will be very effective to run modern libraries. IT Professionals working in Libraries are also encouraged to attend the courses. The week-long intensive and advanced hands-on training courses on will definitely help to modernize and run the libraries in a smarter way and of course, to enrich the professional knowledge. Short Term Course participants are restricted to 90 only.



# Resource Persons

## Prof. K. P. Sinha Mahapatra

Dept of Aerospace Engineering &  
Chairman, Central Library

## Prof. Uma Kanjilal

Pro-Vice Chancellor, IGNOU

## Dr. B. Sutradhar

Librarian, Central Library & Jt-PI of NDLI Project.

## Prof. Parthasarathi Mukhopadhyay

Professor in Lib. & Inf. Sc. University  
of Kalyani

## Prof. Durga Sankar Rath

Professor in Lib. & Inf. Sc. Vidyasagar  
University

## Dr. Samir Kumar Jalal

Deputy Librarian, Central Library

## Dr. Samrat Guha. Roy

Assistant Librarian, Central Library

## Mr. M. Manivannan

Assistant Librarian, Central Library

## Mr. Hemanta Kr. Biswal

Assistant Librarian, Central Library

## Dr. T. K. Ghosh

Assistant Librarian, Central Library

## Mrs Rita Ghosh

Assistant Librarian, Central Library

# Important Dates

## Short Term Course date:

10-15 July 2023

## Workshop Registration:

Between April 21st – June 30th 2023



# Topics to be covered in the Short Term Course

- 01 Library Management**
  - a. Library Automation using Koha
  - b. IRD Services using DSpace
  - c. Website design and visualization of koho data
- 02 Digital Library Services**
  - a. Application of AI/ML to deliver library services
  - b. Library Carpentry using OpenRefine and GREL
- 03 National Digital Library**
  - a. Metadata Curation
  - b. NDLI services
- 04 Data Management**
  - a. Introduction to R Programming and statistical analysis using R
  - b. Exploring Bibliometric Analysis using bibliometrixR, VOSViewer and Pajek



# Registration & Short Term Course Fees

Category	Description	Late Registration (April 21st – June 30th 2023)
Sponsored	Working professionals deputed by university/ institutes	₹10,000/-
Individual	Working professionals, not sponsored by their organizations	₹7,000/-
Students*	Pursuing MLIS or PhD	₹4,000/-

**Note:** \* Only 20 seats are available

**The registration fee includes kit, course materials (Software CD), Lunch and dinner.**

Participants need to register as per the instruction below and send the print-out of registration form along with Demand Draft or NEFT Payment Receipt to:

[workshop@library.iitkgp.ac.in](mailto:workshop@library.iitkgp.ac.in). **Librarian, Central Library, IIT Kharagpur-721302.**

## How to Apply



Step 1: Interested participants may click on the link and search using OSSLM to get the desired programme: <https://erp.iitkgp.ac.in/CEP/courses.htm>;



Step 2: Please create your login ID and password after registering in the site. Once you get the login ID and password, you may register for the short-term course.



Step-3: Please follow the instruction “How to Apply? and How to Pay?” and kindly do the needful.



Step 4: After successfully applied to OSSLM-2023, please send an email to us: [workshop@library.iitkgp.ac.in](mailto:workshop@library.iitkgp.ac.in).



Step 5: Accommodation will be arranged on first-cum-first serve on payment basis. Kindly apply for accommodation in the given link:.....

**PLEASE NOTE:** *Payment already made will not be refunded.*

# Accommodation & Transportation.

*The accommodation for the participants may be arrangement in our institute's guest houses from 9-16 July 2023 on payment basis.*

There are limited rooms available in institute guesthouse. Booking may be confirmed only after successful registration. Participants need to pay the accommodation charges on arrival through Debit/Credit card.

Name of Guest House	Room Type	Charges per day
Ashutosh Guest House (AGH)*	D/B AC Room	₹600/- Double Occupancy
Technology Guest House (TGH)	D/B AC Room	₹1000/- Single Occupancy
		₹1500/- Double Occupancy

*\* reserved for students and researchers*

**Submit Online Application for Accommodation & Transportation to Email:**

workshop@library.iitkgp.ac.in

# Short Term Course Committee on OSSLM-2023

Central Library, IIT Kharagpur

Patron

**Prof. V.K. Tewari**, Director, IIT Kharagpur

Course Advisor

**Prof. K. P. Sinha Mahapatra**, Jt.-PI, National Digital  
Library of India (NDLI)

Course Coordinator

**Dr. B. Sutradhar**, Jt.-PI (NDLI) & Librarian, Central Library



## Souvenir & Course Materials, Printing

1. Dr. S.K. Jalal- Convener
2. Dr. Samrat Guha Roy
3. Mr. M. Manivannan
4. Mr. H.K. Biswal
5. Mr. P.T.N. Rao

## Inauguration & Registration

1. Mrs. Rita Ghosh-Convener
2. Mr. P.T. N. Rao
3. Mr. Pavan Kumar Gupta
4. Mr. Kondal Tapas
5. Ms Gauri Saha



## Accounts & Finance

1. Dr. T. K. Ghosh—Convener
2. Mr. Meghnath Prasad  
Workshop LAB Management
1. Dr. Samrat Guha Roy—Convener
2. Mr. Ramani Ranjan Sahu

## Accommodation

1. Dr. S. K. Jalal– Convener
2. Mr. Pawan Kumar Gupta
3. Mr. Subrat Kumar Nanda

## Transportation

1. Mr. H.K. Biswal – Convenor
2. Mr. Ajoy Kumar Das
3. Mr. Sontu Nandi
4. Mr. Raju Singh

## Food & Hospitality

1. Dr. T.K. Ghosh– Convener
2. Mr. Jayanta Bhakta
3. Mr. Shekhor Modak
4. Mr. Sontu Nandi
5. Mr. Ajoy Kumar Das
6. Mr. Shibu Kr. Dey
7. Mr. Nitya Lal Dey

## Publicity & Correspondence

1. Mr. M. Manivannan– Convener
2. Mr. S.K. Nanda
3. Mr. K.Tapas

## Contact us:)

*If you have any query  
please mail us:*

[workshop@library.iitkgp.ac.in](mailto:workshop@library.iitkgp.ac.in)

### **Dr. B. Sutrathar**

Librarian & STC Coordinator

Central Library, Indian Institute of  
Technology Kharagpur

Kharagpur -721302. Ph: 03222-282432 (O)

E-mail : [bsutra@library.iitkgp.ac.in](mailto:bsutra@library.iitkgp.ac.in)

### **Dr. S. K. Jalal**

Deputy Librarian, Central Library

Indian Institute of Technology Kharagpur

Kharagpur 721302.Ph: 03222-282440 (O)

E-mail : [skjalal@library.iitkgp.ac.in](mailto:skjalal@library.iitkgp.ac.in)



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