

LTC2023

LIBRARY TECHNOLOGY CONCLAVE

Conclave Guide

Library Technology Conclave 2023

Evolving Library Eco-system
in the AI/Machine Learning Landscape



15 - 17 February 2023



Ashoka University, Rajiv Gandhi Education City,
Sonapat Haryana.

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IMPORTANT INFORMATION

Registration Hours

- 8:30 am onwards on 15th and 16th February.
- Meeting Room 009, ground floor, near central atrium / Shanghvi library

Conclave Sessions Locations

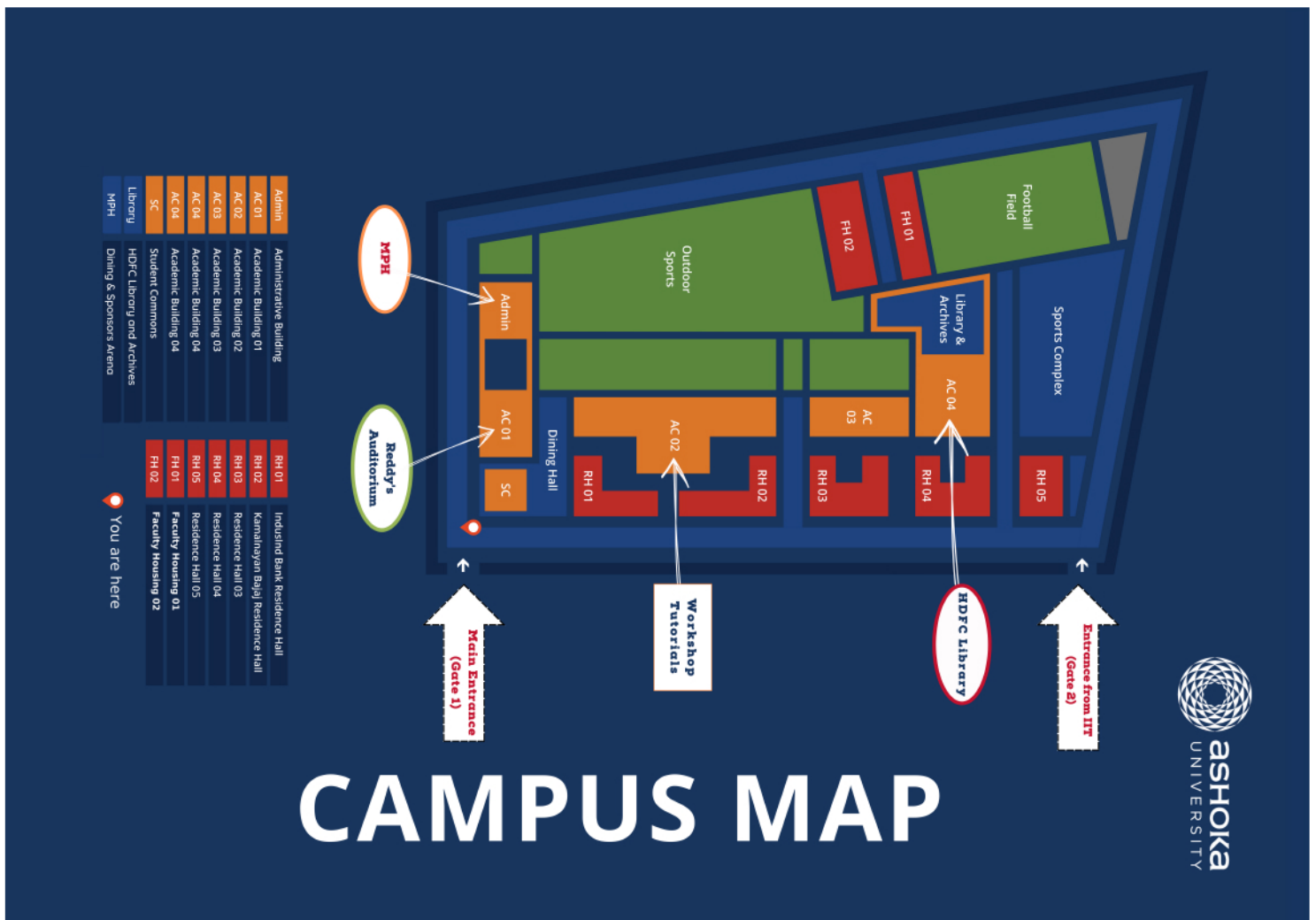
- **Workshops:** Lecture Theatre (LT209-10) Academic Block (AC 02), 2nd Floor
- **Meet & Greet on Day-1, Feb 15, 2023**
4-5 PM: Faculty House (FH 02) Lounge
- **Inaugural Function and all Conclave Programmes on 16th & 17th Feb, except** Experiential Session-4: Dr Reddy's Auditorium, Academic block (AC 01). 3rd floor
- **Coffee/Tea:** Auditorium Corridor
- **Lunch/Dinner:** Multi-Purpose Hall (MPH), Admin Block, 4th Floor

- **Experiential Session-4 (Parallel Session):** Lecture Theatre (LT 207), Academic Block (AC 01), 2nd Floor

- **Experiential Session-4 (Parallel Session):** Lecture Theatre (LT 207), Academic Block (AC 01), 2nd Floor

Key Contacts :

Registrations /Accommodation / Transport
 Bhupender Kumar : 8684087727 or 9999799789
 Arpan Mishra: 8683059982 or 8447550248
 Manish Chandra : 8543908538
 Dining, Program management & Presentations:
 Bibhuti Nath Jha: 8684086142
 Shukul Kumar: 9728602511 or 9816697104
 Satbir Chauhan /9041312262



WELCOME TO LTC2023

In this “digital first” and “library-as-a-platform” era, libraries of any type or size across the globe have one element in common—their technocentric nature. The focal points of library technology change dynamically almost every three years. In today’s hyper-connected digital environment, libraries are increasingly realizing that the combinations of data science, artificial intelligence (AI), and machine learning (ML) have all the potential to influence fundamentally the workflows in libraries. For example, the applications of AI/ML in organizing and providing need-based access to digitized collections are ample in terms of value, volume, and variety and are prospective. Developments in AI/ML will have significant impact in knowledge organization, making knowledge discovery and delivery process more intuitive, intelligent, and personalized to users. User’s engagement with library being cognitive in nature, no functional and service areas in libraries will be left untouched by AI/ML applications in Libraries. But unlike other technologies in the library sphere, AI/ML technologies, as predicted by domain experts, involve an existential threat and, therefore, need to be adapted with great care to ensure that we don’t summon the demon.

The Library Technology Conclave (LTC2023), to be held during 15–17th February 2023, at the Ashoka University, Delhi-NCR, Sonipat, aims to deliberate in depth on the aspects and prospects of AI/ML applications in libraries through a series of keynote addresses by global domain experts, panel discussions on relevant topics, two hands-on workshops on core topics, and unique, newly added experiential sessions.

Beena Cherukuth N.V.
Organising Chair
Librarian, CUSAT, Cochin
Bangalore

N.V. Sathyanarayana
Conclave Chair
CMD, Informatics India Ltd

INAUGURAL CEREMONY

5:30PM : Lighting the Lamp by the Dignitaries

5:35PM : Welcome Address: Mr B P Prakash, Director,
Library Services, Ashoka University

5:45PM : LTC Genesis & Purpose: Mr N V Sathyanarayana, CMD,
Informatics India Ltd, Bangalore

5:55PM : Programme Theme & Structure: Prof. Parthasarathy Mukhopadhyay,
Dept. of Library and Information Science, Kalyani University, West Bengal

6:05PM : Inaugural Address: Prof. V N Rajasekharan Pillai, Vice Chancellor,
Somaiya University, Mumbai

6:25PM : Presidential Address: Prof. Rudrangshu Mukherjee,
Chancellor, Ashoka University

6:40PM : Conclave Keynote: Building Bridges: AI, ML and Libraries.
Dr Mia Ridge, Digital Curator, British Library, London

7:10PM : Vote of Thanks: Samhita S, Director, Informatics, Bangalore

7:15PM : Dinner (at MPH Admin Block, 4th Floor)

PROGRAM AT A GLANCE

DAY-1: WEDNESDAY, 15 FEB 2023

8:30 AM

Registration Desk Opens

10:30AM -1:00PM
WORKSHOP-1

TOPIC: **AI/ML Basics: Demystifying AI and Building AI First Knowledge Systems**

Presented by:

Dr. Shailesh Kumar

Chief Data Scientist, Centre of Excellence in AI/ML, Reliance Jio; and Programme Mentor, Artificial Intelligence & Data Science, Jio Institute, Mumbai

1:00PM -02:00PM

Lunch

2:00PM - 04:00PM
WORKSHOP-2

TOPIC: **Entering the Age of Libraries and AI**

Presented by:

Dr. Luis Martinez-Uribe

Director, Library/Research Support Centre, Juan March Foundation Library, Madrid, Spain

04:00PM -05:30PM

Meet & Greet, and Group Photo Session

05:30PM - 07:15PM
**CONCLAVE
INAUGURATION**

Chair:

Prof. Rudrangshu Mukherjee

Chancellor, Ashoka University, Rajiv Gandhi Education City, Sonapat Haryana.

Inaugural Address:

Prof. V N Rajasekharan Pillai

Vice Chancellor, Somaiya University, Mumbai, India.

Keynote

Building Bridges: AI, ML and Libraries

Dr. Mia Ridge

Digital Curator, British Library, London, UK

07:15PM

Dinner

DAY-2: THURSDAY, 16 FEB 2023

9:00 AM

Registration Desk Opens

09:30AM -11:00AM

**THEMATIC
SESSION: T1**

**AI/ML in Libraries:
Layers and Players**

Chair:

Prof. Jaideep Sharma

Dept. of Library & Information Science, Indira Gandhi National Open University (IGNOU), New Delhi

Keynote

**Taking a global digital vision forward:
Creation of computational archives using AI.**

Ms. Roxanne Missingham (Online)

University Librarian and Chief Scholarly Information Services Officer, Australian National University, Canberra, Australia.

CCLitBox. A Wikidata gadget for Colon Classification

Dr. Carlo Bianchini (Online)

Associate Professor in Library & Information Science, University of Pavia, Cremona, Italy.

Searching for exactly what I want (and need): Methods to organise and search technical information

Dr. Maya Ramanath

Visiting Professor, Dept. of Computer Science and Engineering, Ashoka University, Sonapat, Haryana; Associate Professor, Dept. of Computer Science and Engineering, IIT, New Delhi.

11:00AM -11:30PM

Tea Break

11:30AM -1:00PM

THEMATIC
SESSION: T2

Where AI/ML Meets
Bibliographic Data

Chair:

Dr. C. Jayakumar

Librarian, Indian Institute of Technology, Roorkee

Keynote

Libraries are Data

Dr. Luis Martinez-Urbe

Director, Library/Research Support Centre, Juan March Foundation Library, Madrid, Spain

Libraries as Complex Systems in the Age of AI and Machine Learning

Dr. Paul Gooding

Senior Lecturer in Information Studies, University of Glasgow, Scotland, UK

Case-Studies in Digital Libraries that use AI, ML and NLP Technologies

Mr. Girish Palshikar

Chief Scientist, TCS Research, Pune, India

1:00PM -2:00PM

Lunch

2:00PM - 03:30PM

EXPERIENTIAL
SESSION: E1

Session Topic
AI/Machine Learning
Applications

Session Chair and Mentor

Ms. Niti Saxena

Chief Librarian, British Council Library, New Delhi

AI-based Literature Reviews: A Topic Modelling Approach.

Prof. Manoj Kumar Verma

Mizoram University, Aizaw, Mizoram

Dr. Mayank Yuvaraj

Central University of South Bihar, Gaya, Bihar

Automated Subject Identification using the Universal Decimal
Classification: The ANN Approach

Ms. Aditi Roy

University of North Bengal, Raja Rammohunpur, WB

Dr. Saptarishi Ghosh

University of North Bengal, Raja Rammohunpur, WB

Development of InfoRef using DialogFlow: A 24*7 Online Reference Service

Ms. Priya

Central University of Himachal Pradesh, Shahpur, HP

Dr. Shivramarao

Central University of Himachal Pradesh, Shahpur, HP

Scholarly Communication and Machine-generated Text: Is It finally AI vs. AI in Plagiarism Detection?

Mr. Patit Paban Sharma

Dr Zakir Hussain Ave, Hudcomore, Bidhannagar, Durgapur, WB

Mr. Debasis Majhi

Research Scholar, Banaras Hindu University, Varanasi, UP

Identifying Stylometric Characteristics of Domain Specific Texts using Classification Algorithms: A Study of Library Science Articles published in 2020.

Ms. Mousami Saha

University of North Bengal, Raja Rammohunpur, WB

Dr. Saptarishi Ghosh

University of North Bengal, Raja Rammohunpur, WB

Automatic Indexing for Agriculture: Designing a Framework by deploying Agrovoc, Agris and Annif.

Mr. Mustak Ahmed

University of Kalyani, Kalyani, WB

3:30PM -04:00PM

Tea Break

4:00PM - 5:30PM

Session Chair and Mentor

EXPERIENTIAL
SESSION: E2

Dr. T S Kumbar

Consultant, Indian Institute of Technology, Gandhinagar

Session Topic
Library Service Platform,
Innovative Library Service,
and Promotions

How the Future of Library is Open?: An Early Experience of New Open Source LSP

Satbir Chauhan

Ashoka University, Rajiv Gandhi Education City, Sonapat, Haryana

Kandhasamy

University of Delhi; New Delhi. N. Sakthivel, Jio Institute, Navi Mumbai, Maharashtra

Enhancing Productivity in Library Services - the Agile Way: With Special Reference to Agile Application in TCS IRCs

Dr. Nagappa Veerappa Bakkannavar

TCS, Bengaluru

Ms. Ayesha Mallik

TCS, Kolkata, India

Implementation of Summon Discovery and its 2.0 Version with the Integration of Bx-Recommender and Lean Library

Dr. Namrata Rai; Mr. Mihir Ranjan Panda

Indian Institute of Management, Bengaluru

Evaluation and Creation of Web based Resource Guides using SubjectsPlus: A Pilot at Central Library, IIT Delhi

Dr. T R Manu; Dr. Nabi Hasan

IIT, New Delhi

Enhancing OPAC through Geospatial Data: Integration of Library Stack Map and Dreamscape In Koha

Mr. Soumik Kerketta

Surendra Lal Das Teachers' Training College, Anandanagar, Howrah Dist., WB

Ms. Mondrita Mukhopadhyay

Dept. of Library and Information Science, University of Kalyani, Kalyani, WB, India

Bibliotherapy – Use of Books for Healing: An Experiential Study to Introduce Prospective Bibliotherapy Service in Libraries.

Ms. Rummana Nazi

Aligarh Muslim University, Aligarh, India

Dr. P M Naushad Ali

Aligarh Muslim University, Aligarh, India

Dr. Deoshree Akhouri

Jawaharlal Nehru Medical College, Aligarh Muslim University, Aligarh, UP

5:30PM – 6:00PM

Tea Break

6:00PM – 7:30PM

19th ANNUAL LECTURE
ON INFORMATICS

Chair:

Prof. Somak Raychaudhury

Vice Chancellor, Ashoka University, Rajivgandhi Education City, Sonapat, Delhi-NCR, India

Building the Next Generation Intelligent Information Systems

Prof. Mausam

Jai Gupta Chair, Dept. of Computer Science & Engineering; Head, Yardi School of Artificial Intelligence
Indian Institute of Technology, New Delhi, India

7:30PM

Dinner

DAY-3: FRIDAY, 17 FEB 2023

9:00 AM

Registration Desk Opens

09:30AM – 11:00AM

THEMATIC
SESSION: T3

AI/ML Applications
in Library Services

Chair:

Dr. Jagdish Arora

Advisor, NBA (AICTE), New Delhi

Keynote

Low Resource Machine Translation

Dr. Pushpak Bhattacharyya

Abdul Kalam National Fellow, Professor, Computer Science and Engineering
Department, Indian Institute of Technology, Bombay, Mumbai, India

Summarizing User-generated Textual Content: Motivation and Methods for Fairness in Algorithmic Summaries

Dr. Abhijnan Chakraborty

Assistant Professor, Department of Computer Science & Engineering,
Indian Institute of Technology, New Delhi, India

Automatic Identification of Discourse Labels in aScientific Abstracts

Dr. Debarshi Kumar Sanyal

Assistant Professor, Indian Association for the Cultivation of Science, Kolkata, India.

11:30PM - 11:30PM

Tea Break

11:00PM - 12:30PM

PANEL DISCUSSIONS

Will AI/ML become
omnipresent in libraries?
Are we ready?

Moderator:

Prof. P. Mukhopadhyay

Department of Library & Information Science, University of Kalyani, Kalyani, wb.

Panellists:

Prof. Partha Pratim Das

Visiting Professor, Dept. of Computer Science and Engineering, Ashoka University,
Rajiv Gandhi Education City, Soneat; Professor, Dept. of Computer Science and Engineering, IIT, Kharagpur.

Dr. Mia Ridge

Digital Curator, British Library, London, UK

Dr. Madhan Muthu

Director, Library Services, O.P. Jindal Global University, Sonapat, Haryana.

12:30PM - 1:00PM

TeQuiz
Preliminary Round

Quiz Master:

Dr. Rajkumar Bhardwaj

Librarian, St. Stephens College, Delhi University, New Delhi

1:00PM -2:00PM

Lunch

2:00PM - 3:15PM

Parallel Session 1

EXPERIENTIAL
SESSION: E3

Session Topic
E-Resource Management

Session Chair and Mentor

Dr. Santosh C. Hulagabali

University Librarian, Central University, Haryana

Implementation of Koha in Managing the e-Resources of the Library

Mr. Mohit Garg

Indian Institute of Technology, New Delhi

Dr. Nabi Hasan

Indian Institute of Technology, New Delhi

Mr. Amit Gupta

Informatics India Ltd., Bangalore

**Trends in Off-Campus usage of Remotely Accessible e-Resources of
Dhanvantri Library, University of Jammu**

Dr. Bindu Sharma

Indian Institute of Technology, New Delhi

Dr. Reenu Arti Thakur

Indian Institute of Technology, New Delhi

Ms. Diksha Sharma

University of Jammu, Jammu

**Implementation of Electronic Resource Management System: A case
study of Central**

Mr. Vijay Kumar Verma

IIT, New Delhi, India

Mr. Arvind R. Nair

IIT, New Delhi, India

E-Resource Management with CORAL ERMS.

Ms. Reena Gupta
Indian Institute of Management, Bangalore

Mr. Mihir Ranjan Panda
Indian Institute of Management, Bangalore

2:00PM - 3:15PM
Parallel Session 2

**EXPERIENTIAL
SESSION: E4**

**Open Access (OA) &
Data Deluge**

Session Chair and Mentor

Dr. Santosh C. Hulagabali
University Librarian, Central University, Haryana

Decoding Predatory Publishing Practices for Academia

Ms. Nayanatara S
Central University of Tamil Nadu, Thiruvavur, TN

Ms. Anila Sulochan
Central University of Tamil Nadu, Thiruvavur, TN

Machine-generated Colon Class Numbers: Automatic Classification of Multilingual Works in Indian Literature in the Wiki-data Environment

Mr. Debakanta Halder
University of Kalyani, Kalyani, WB

Ms. Meghana Biswas
University of Kalyani, Kalyani, WB

Data Wrangling from Socio-academic Web-space: Designing A Meta Model.

Amit Nath
University of Kalyani, Kalyani, WB

Sibashankar Jana
University of Kalyani, Kalyani, WB

Promoting RDM Awareness among LIS Professionals through Data Carpentry: A Theoretical Framework

Ms. Shivanachari Vadla
Central University of Punjab, Bhatinda, Punjab

Mr. Aqib Mehroof
Central University of Punjab, Bhatinda, Punjab

3:15PM - 4:00

TeQuiz - Final Round

Quiz Master:

Dr. Rajkumar Bhardwaj
Librarian, St. Stephens College, Delhi University, New Delhi.

4:00PM - 4:30PM

High Tea

4:30PM - 5:15PM

Valedictory Function

19TH ANNUAL LECTURE ON INFORMATICS

Informatics India Ltd., Bangalore
— cordially invites you to —
the 19th Annual Lecture on Informatics

Speaker



Dr. Mausam

Professor, Jai Gupta Chair, Department of Computer Science & Engineering; Head, Yardi School of Artificial Intelligence, Indian Institute of Technology, New Delhi, India.

Topic: Building the Next Generation Intelligent Information Systems

Chair



Prof. Somak Raychaudury

Vice Chancellor, Ashoka University,
Rajivgandhi Education City, Sonapat, Delhi-NCR, India.

Date & Time
February 16, 2023
6:00 to 7:30

Venue
Ashoka University
PM Sonapat, Haryana,
Delhi-NCR

LECTURE SERIES

Informatics India Ltd, Bangalore instituted this lecture series on its decennial celebration in 1990 which was inaugurated by Dr. N. Seshagiri, Director General, National Informatics Centre (NIC), New Delhi, by delivering the first lecture. Thirty eminent personalities from the academia and the industry have delivered their lectures in this series which include: Ms. Nancy Green, Director, Dialog Information Inc., USA (1990); Mr. N. Vittal, Secretary, Department of Electronics (1995); Dr. A R Mashelkar, DG-CSIR (1999); Dr. Natarajan, Chairman-AICTE (2002); Prof. Geo Wiederhold, Stanford University (2002); Prof. P. Balaram, Director, Indian Institute of Science, Bangalore (2004); Dr. T. Ramasami, Secretary, DST (2005); Prof. Jean-Claude Guedon, University of Montreal, Canada (2006); Mr. Marshall Breeding, USA (2018).

SPEAKER

Mausam is the founding head of Yardi School of Artificial Intelligence, and Professor of Computer Science at IIT Delhi. He is also an affiliate professor at University of Washington, Seattle. With a twenty-year research experience in artificial intelligence, he has, over time, contributed to many research areas such as large-scale information extraction over the Web, multilingual NLP, knowledge base completion, question answering, summarization and probabilistic planning algorithms. He has over 100 archival papers to his credit, along with a book, two best paper awards, and one test of time award. Mausam was awarded the AAI Senior Member status in 2015 for his long-term participation in American Association of Artificial Intelligence, and distinction in the field of artificial intelligence. He has had the privilege of being a program chair for two top conferences, AAI 2021, and ICAPS 2017. He was ranked the 56th most influential NLP scholar and 64th most influential AI scholar by ArnetMiner AI2000 Ranking in 2021. He received his PhD from University of Washington in 2007 and a B.Tech. from IIT Delhi in 2001.


LECTURE TOPIC

We live in the information age – there is availability of all kinds of information, but we are also drowning in too much of it. This necessitates developing techniques for targeted information access, which go beyond the standard document retrieval paradigm, and return the specific information desired by a user, often consolidated from multiple sources. In this talk, I briefly describe various threads of research towards this goal. They include extraction of facts stated in text, inferring facts not explicitly stated in text, use of knowledge to aid with complex question answering, and building dialog agents for answering information queries.

PROGRAM GUIDE IN DETAIL


DAY - 1 | 15 FEB 2023

8:30 AM – Registration Desk Opens

 Meeting Room 009, ground floor,
near central atrium / Shanghvi library

10:30 AM-01:00 PM

WORKSHOP 1

 Lecture Theatre (LT209-10),
Academic Block (AC-02), 2 nd Floor

Demystifying AI and Building AI First Knowledge Systems

Abstract:

AI is a fast emerging horizontal technology that has the potential to transform all areas of human endeavour - industrial, social, academic, and entrepreneurial. In this two-part talk, we will first demystify AI along its philosophical, algorithmic, templization, and institutionalization aspects - what is it? what toolsets it provides? what is its overarching architecture? and how is it adopted systematically across verticals? In the second part we will focus on how AI is poised to disrupt the way we interact with the knowledge of the world - going beyond just search engines - what are the next potential opportunities for library sciences in general and information consumption in particular that are both possible and useful in the next few years as integral parts of information management and delivery systems.



Presented By:

Dr. Shailesh Kumar

Chief Data Scientist, Centre of Excellence in AI/ML, Reliance Jio; and Programme Mentor, Artificial Intelligence & Data Science, Jio Institute, Mumbai, India.

01:00 PM to 02:00 PM – Lunch Break

 Multi-Purpose Hall (MPH), Admin Block, 4th Floor

02:00 PM – 4:00PM

WORKSHOP 2

 Lecture Theatre (LT209-10),
Academic Block (AC-02), 2 nd Floor

Entering the Age of Libraries and AI

Abstract:

In 1947 Alan Turing gave a lecture at the National Physics Lab of London where he presented a test to answer the old and controversial question of whether can computers think. A lot has happened since then, the fourth industrial revolution is upon us, with, not only machines and interconnected systems, but with major advances taking place in nanotechnology, genetic sequencing or quantum computation that promise to have a profound effect on society. The widespread availability of Artificial intelligence can now be found in autonomous cars, drones, personal assistants or translations systems.



Presented By:

Dr. Luis Martinez-Urbe

Director, Library/Research Support Centre, Juan March Foundation Library, Madrid, Spain

Are libraries engaging with AI? how should they responsibly use AI technologies to advance their social mission? To answer these questions, this workshop will look at the evolving relationship of libraries and data as data plays a fundamental role in AI. The workshop's main aim is to introduce the varied tradition of libraries working with data as well as discussing current trends towards the use of machine learning and AI.


The session will provide a review of how libraries have engaged with data since the 1960s and to this day. From the early days when social science data libraries emerged to support researchers in accessing the new digital data available. Up until today where libraries have an active role in other data spaces such as digital curation and research data management. More recently, data science is transforming how library collections are used and how its data can be exploited. This review will be presented against the background of data developments, to introduce the different social and technical elements of the data revolution in which we are immersed. The workshop will describe examples of projects and activities as well as demos to show applications of AI and data science techniques applied to libraries' data.

4:00 PM to 5:30 PM – Meet & Greet and Group Photo Session

 Faculty House (FH-02) Lounge

5:30 PM - 7:30 PM

INAUGURAL FUNCTION

 Dr Reddy's Auditorium



Chair:

Prof. Rudrangshu Mukherjee
Chancellor, Ashoka University, Rajiv Gandhi Education City, Sonapat, Haryana.



Inaugural Address:

Prof. V N Rajasekharan Pillai
Vice Chancellor, Somaiya University, Mumbai, India.

Keynote: Building bridges: AI, ML and libraries

Abstract:

In the last year alone, significantly improved AI, machine learning and data science tools have changed how information is processed and generated. ML and data science methods have the potential to connect library collections, and to enable better discoverability and innovative research. But libraries face challenges in finding resources to meet

expectations, and manage new forms of information provenance and digital preservation. How can we build on what we already know about the role of technologies in libraries to think strategically about integrating AI into library work?



Dr. Mia Ridge

Digital Curator, British Library, London

7:30 PM - Dinner



Multi-Purpose Hall (MPH), Admin Block, 4th Floor

DAY - 2 | 16 FEB 2023

8:30 AM - Registration Desk Opens



Meeting Room 009, ground floor, near central atrium / Shanghvi library

9:30 AM - 11:00 AM

THEMATIC SESSION-1



Dr Reddy's Auditorium

AI/ML in Libraries: Layers and Players

Session Chair:



Prof. Jaideep Sharma

Department of Library & Information Science, Indira Gandhi National Open University (IGNOU), New Delhi

Keynote: Taking a global digital vision forward: creation of computational archives using AI

Abstract:

Digitisation of library and archive collections is at the heart of bringing the voices of the past to life and requires a new discipline. Transforming works through digitisation had the potential to unleash the knowledge within our collections. The framework of digitising and releasing collections as facsimiles used in the past has been based on a concept of the digital ecosystem as the equivalent of our traditional repositories. Increasingly, libraries and archives are partnering with researchers to deliver collections that have

been transformed into computational archives for research use. The evolution of our understanding demonstrates the application of new systems that deliver solutions that are consistent with sociotechnical system design and transdisciplinary philosophy in the critical thinking used to analyse the context of the works within disciplinary knowledge and partnership with stakeholders to produce computational archives. This presentation will explore the complexities of applying these philosophical frameworks and use case studies of business archive digitisation in Australia.



Ms. Roxanne Missingham

University Librarian, Australian National University, Canberra; Australia

Lecture 1: Searching for exactly what I want (and need): Methods to organise and search technical information

Abstract:

This talk will be a brief overview on the work done by Dr. Maya and her team on constructing a knowledge-base of technical concepts from the domain of computer science. Two applications shall be discussed -- pre-requisite search and technical document ranking -- which makes use of the knowledge-base as a resource.



Dr. Maya Ramanath

Visiting Professor, Dept of Computer Science & Engineering, Ashoka University, Sonapat.

Lecture 2: CCLitBox. A Wikidata gadget for Colon Classification

Abstract:

The Wikidata gadget, CCLitBox, for the automated classification of literary authors and works by a faceted classification and using Linked Open Data (LOD) is presented. The tool reproduces the classification algorithm of class O Literature of the Colon Classification and uses data freely available in Wikidata to create Colon Classification class numbers. CCLitBox is totally free and enables any user to classify literary authors and their works. Moreover, it is easily accessible to everybody. Furthermore, it uses LOD from Wikidata, when available; but when data about an author and/or his/her works are not available in Wikidata to be used by CCLitBox, they can be freely added, also by means of semiautomatic tools such as OpenRefine. Finally, CCLitBox is readymade for any cooperative and networked project.



Dr. Carlo Bianchini

Associate Professor in Library & Information Science, University of Pavia, Cremona, Italy

11:00 AM to 11:30 AM – Tea Break  Auditorium Corridor

11:30 AM – 1:00 PM

THEMATIC SESSION-2

 Dr Reddy's Auditorium

Where AI/ML Meets Bibliographic Data

Session Chair:



Dr. C. Jayakumar

Librarian, Indian Institute of Technology, Roorkee.

Keynote: Libraries are data

Abstract:

This talk puts forward the idea that libraries are data just like the Pythagoreans claimed that everything is number. This assumption is based on the sheer amount of heterogeneous information libraries curate and could exploit analytically. Libraries should embrace data as an enabler for AI engagement due to their compelling interrelation. One the one hand, ground truth datasets are fundamental to generate correct AI models. On the other hand, AI tools present a great opportunity for libraries to apply computational methods to enrich their collections and improve their processes. This occurs against a background where ethical risk need to be mitigated to ensure unbiased, transparent and privacy-protective algorithms. The talk will discuss the previous topics by looking at examples of the DataLab at the Library of Fundación Juan March.



Dr. Luis Martinez-uribe

Director, Juan March Foundation Library Madrid, Spain

Lecture 1: Case-Studies in Digital Libraries That Use AI, ML and NLP Technologies

Abstract:

Many libraries now have access to large amounts of digital information contents: books, research papers, patents, news, reports etc. Web-based or video-based learning modules are also available in modern libraries. Technologies developed in the fields of Machine Learning and Natural Language Processing (which are part of Artificial Intelligence) are already opening up a variety of novel applications for library users. In this talk, we will discuss a few real-life use-cases based on ML / NLP technologies. We will conclude by outlining a few other potential applications.



Mr. Girish Palshikar

Chief Scientist, TCS Research and Innovation, Pune, India

Lecture 2: Libraries as Complex Systems in the Age of AI and Machine Learning

Abstract:

Libraries consist of a complex interrelationship of collections, staff, spaces, users, and technical infrastructures. They have thus long been conceived of as complex systems in the sense meant by Donna H. Meadows (2008, p. 11): “an interconnected set of elements that is coherently organized in a way that achieves something.” Huge amounts of data are produced across this system, and the resultant datasets have the potential to illuminate our understanding of library practice, usage, and collections. However, much of this data is not “critically addressable”, in the sense that we cannot understand how it was produced and transformed before being made accessible. In this talk, with examples from his own research, Dr. Gooding will make the case that both researchers and practitioners interested in analysing library data need to consider not only the ethical implications of their own methods, but also the extent to which the library data to which AI and ML techniques are applied is itself critically addressable.



Dr. Paul Gooding

Senior Lecturer in Information Studies
University of Glasgow, Scotland, UK

1:00 PM to 2:00 PM – Lunch Break



Multi-Purpose Hall (MPH), Admin Block, 4th Floor

2:00 PM – 3:30 PM

EXPERIENTIAL SESSION: E1



Dr Reddy's Auditorium

AI/ML Applications

Session Chair:



Ms. Niti Saxena

Chief Librarian, British Council Library, New Delhi

AI-based Literature Reviews: A Topic Modelling Approach.

Abstract:

Literature review is a crucial step in the research process, as it helps scholars identify gaps in the existing body of knowledge and build upon previous work in their field. However, the task of conducting a literature review can be time-consuming and labor-intensive, especially when dealing with large volumes of literature. In recent years, there has been a growing interest in the use of artificial intelligence (AI) tools to assist with literature review processes. However, little is known about the extent to which these tools are being used in practice, and how effective they are in supporting literature review processes. The present study highlights a practical approach to conduct exploratory literature review using topic modelling.

AUTHORS



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Dr. Mayank Yuvaraj

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Automated Subject Identification using the Universal Decimal Classification: The ANN Approach

Abstract:

Prologue: Universal Decimal Classification (UDC) is a popular controlled vocabulary that identifies the subjects of a document. Text categorization determines a text's category which is evident from the notation-text label format of the Universal Decimal Classification.

Purpose: With the help of machine learning techniques and the Universal Decimal Classification (UDC), the goal of the work is to develop an end user (library professional) based recommender system for automatic classification of documents using UDC scheme. The proposed work is conceived for determination and construction of a complex class number by using the syntax of Universal Decimal Classification (UDC).

Method: A corpus of documents classified with UDC is used as training data-set. The classification of the documents is done with human mediation having proficiency in classificatory approaches. The BM25 ranking function, a tailored multi-label BERT-based classifier, and a content-based filtering technique (TF-IDF/Document Vector Analysis/Chi-square bases 'bag of words creator') that uses the most frequently used UDC classes for each class number constructed for each document is used to get optimal result.

Result: The results support the use of entire texts in the automatic classification of bibliographic data, mainly when the texts are in varied digital forms, unstructured, and utilize language forms and controlled vocabulary.

AUTHORS



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Development of InfoRef using DialogFlow : A 24*7 Online Reference Service Platform

Abstract:

The present study proposes an AI-based conversational agent named as InfoRef. It aimed to provide reference services by creating an interactive interface between library services and the users. The application works on AAA (Anytime Anywhere Anyone) model and routes the users to the available information. Ranganathan had defined reference service as "the process of establishing the right contact between the right reader and the right book at the right time in the right personal way". It was the most challenging service in the Library before the WWW era. Still, the advancement in the internet and web technologies has provided the power to libraries to offer powerful virtual reference services. It is considered the only available and effective method to convert potential users to habitual users. In recent times, several such popular Text messaging and chat-based services applications have been used in libraries to provide reference services, like Email, feedback forms, chat services, ask the librarian, etc. However, these applications need the involvement of humans to a major extent, where one has to respond to the query. However, AI-based technologies like Chatbot or Conversational Agents are always available with limited human requirements only in developing the application. The key advantage of using such a system is that it provides a uniform response to the user whenever the session is triggered.

AUTHORS



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Scholarly Communication and Machine-generated Text: Is It Finally AI vs. AI in Plagiarism Detection?

Abstract:

In this study, we want to focus on problems regarding the use of AI generated content in the academic research literature and their devastating effect in the future. We all know about anti-plagiarism tools which help us to detect the similarity index in the research literature. There are two types of similarity-based

AUTHOR



Mr. Debasis Majhi

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but problem is that none of them are yet ready to catch AI generated text. This study is conducted based on GPT language model-based AI writing tools, which are used for AI generated text. AI generated text is content that is created by a computer or machine using artificial intelligence (AI/ML) technologies. This can include text, images, videos, and other forms of media. Traditional syntactic similarity-based anti-plagiarism tools may indeed have difficulty detecting AI generated text, as the text produced by AI models can often be quite different from the human-written text in terms of syntax and structure. And now this baleful situation can be handled through AI dictator tools, which are helpful to catch AI generated content based on characteristics that are typical of machine-generated content. So, what next? Are we moving into the era of using AI detectors to stop AI content in the scholarly communication process?

AUTHOR



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Identifying Stylometric Characteristics of Domain Specific Texts Using Classification Algorithms: A Study of Library Science Articles published in 2020

Abstract:

Academic writing has played an important role in communicating the cognitive aspects of the human mind. Natural Language Processing (NLP) tools enable us to examine the linguistic knowledge of writing. Writing patterns and linguistic knowledge differ geographically. The primary purpose of the study is conceived to understand the global writing pattern and linguistic knowledge of research articles in the LIS domain. The data corpus was identified from four different SCOPUS enlisted open-access journals on library and information science. The journals will be chosen from the national and international levels in 2020. The corpus measures syntactic complexity in 147 text documents using the Tool for the Automatic Analysis of Syntactic Sophistication and Complexity (TASSAC). Moreover, the corpus was examined using the Structural Equation Model (SEM) to determine the causal relationship between the dependent variables (syntax features) and independent variables (readability scores). The result of the study depicts the differences in the patterning of syntactic features at both the global and national levels. Furthermore, the study allows us to see how linguistic diversity underplays in research writings and helps to understand writing patterns through cross-country comparison. Furthermore, the paper employs model-based reasoning to identify the latent variables that are used both globally and nationally.

AUTHORS



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Automatic Indexing for Agriculture: Designing a Framework by deploying Agrovoc, Agris and Annif

Abstract:

Machine learning can be applied to automatic subject indexing in a number of ways. One common approach is to use a supervised learning algorithm to train a model on a dataset of documents that have been manually indexed by subject by using a standard vocabulary tool. The model can then be used to predict the subject of new, unseen documents based on the patterns learned from the training data. To do this, the first step is to gather a large dataset of documents and manually assign each document a set of subject keywords/descriptors (e.g. from Agrovoc). Next, the dataset (obtained from Agris) can be divided into - i) a training set; and ii) a test set. The training set is used to train the model, while the test set is used to evaluate the model's performance. Machine learning can be a powerful tool for automating the process of subject indexing. This research study is an attempt to apply Annif (<http://annif.org/>) as an open source AI/ML framework to auto generate subject keywords/descriptors for documentary resources in the domain of agriculture. The training dataset is obtained from Agris, which applies Agrovoc thesaurus as a vocabulary tool

AUTHOR



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3:30 PM to 4:00 PM - Tea Break



Auditorium Corridor

Library Service Platform & Innovative Library Services and Promotions

Session Chair:



Dr. T S Kumbar
Consultant, Indian Institute of Technology, Gandhinagar

How the Future Of Library Is Open: An early experience of new open source LSP

Abstract:

The last law of library science by Dr. Ranganathan states that- "Library is a growing organism". Taking this point of view further, this paper is going to discuss the open-source software and its benefits to libraries, why open source is a topic to discuss in the context of libraries. What is LSP, can the characteristics of LSP make it a new generation library system or can it overcome the limitation of existing management system. Much of the focus would be on FOLIO, how much it has evolved in 6 years, coverage of FOLIO features and Architecture. What are the things that makes FOLIO really appealing, the ease of use it provides, the flexibility of FOLIO in terms of usage, despite having so much in it; still, the software has been less recognized in India. This paper will discuss what features of Folio make it unique, how it could be a one-stop solution for libraries and whether it is a better replacement for ILS.

AUTHORS



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Enhancing Productivity in Library Services - The Agile Way: With Special Reference to Agile Application in TCS IRCs

Abstract:

This paper focuses on adopting Agile as an effective work methodology for library workspaces. In setting the context for its application in Libraries, the authors refer to early and current software development methodologies, important agile tools, and alongside, consider library functions that are potentially given to adapting to the technique effectively.

The Information Resource Centre (IRC) at Tata Consultancy Services (TCS) is presented as a case in point in leveraging the advantages of Agile in libraries. It shows how, by embracing Jile - TCS's Agile Planning & Delivery Tool - the Team expects improved productivity, permeated visibility for better tracking and compliance, a faster response to change, among other things. While highlighting the tool's salient features like Kanban Dashboard, Progress Tracker, Status Reports & Charts, the case study also covers the scope, limitations and challenges overcome by the Team while implementing the enterprise's Agile Way of Working.

AUTHORS



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In conclusion, the authors share insights gained on the impact of applying Agile in libraries, offering their suggestions and recommendations for leveraging the benefits of this tool.

Implementation of SUMMON Discovery & its 2.0 version with the integration of Bx-Recommendier and Lean Library.

Abstract:

This paper focuses on adopting Agile as an effective work methodology for library workspaces. In setting the context for its application in Libraries, the authors refer to early and current software development methodologies, important agile tools, and alongside, consider library functions that are potentially given to adapting to the technique effectively.

The Information Resource Centre (IRC) at Tata Consultancy Services (TCS) is presented as a case in point in leveraging the advantages of Agile in libraries. It shows how, by embracing Jile – TCS's Agile Planning & Delivery Tool – the Team expects improved productivity, permeated visibility for better tracking and compliance, a faster response to change, among other things. While highlighting the tool's salient features like Kanban Dashboard, Progress Tracker, Status Reports & Charts, the case study also covers the scope, limitations and challenges overcome by the Team while implementing the enterprise's Agile Way of Working.

In conclusion, the authors share insights gained on the impact of applying Agile in libraries, offering their suggestions and recommendations for leveraging the benefits of this tool.

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Evaluation and Creation of Web-based Resource Guides using SubjectsPlus

Abstract:

Resource Guide is a single platform, created and managed by a subject specialist/ librarian/ liaison, where users can access all types of resources. Traditionally, it is known as Pathfinder, bibliography, virtual reference collection, online guide, online tutorial, toolkit, web guide, etc. It helps users find the resources on the specific subject area and keep users up to date with new resources on their subjects and connect users to relevant, timely and easy-to-understand information at their point. Central Library, IIT Delhi promotes library resources through various platforms, viz library website, social media, online catalogues, Pathfinder, single search engine, mobile app, etc. Still, these may be excluded from the subject-level resources. The question arises to design and develop a single online platform or

guide/resource base to put together and enable users to access all types and forms of resources, such as print resources, e-resources, professional development resources, open access resources and social media resources to meet the current and future requirements of users of respective disciplines. A pilot implementation of a web-based resource guide has been undertaken at Central Library, IIT Delhi, with the objectives of promoting the use of library resources and scholarly resources on the web and how SubjectsPlus, an open-source tool, helps create and manage web-based resource guides

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Paper ID : 20 – Enhancing OPAC Through Geospatial Data: Integration Of Library Stack Map And Dreamscape In Koha

Abstract:

In this era of the digital library, physical stacks are still important for the users of an academic library of any type or size, particularly in a country like India where physical resources still have enormous importance. In view of this context, this research study is an attempt to develop a system that can read the call number of a retrieved book in Koha OPAC and can display

AUTHOR



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the respective floor map to spot the book to help users locate the object. Apart from the stackmap integration in Koha OPAC, it also demonstrates how an open source text analytics server can be integrated to generate different word-level visualizations by using the text corpus of a given book, including the capabilities to show geospatial features like identification of place names in a given text corpus.

AUTHOR



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Bibliotherapy- Use of books for healing: An Experiential Study to Introduce Prospective Bibliotherapy Service in Libraries.

Abstract:

This research paper focuses on the importance and conceptual framework of Bibliotherapy in Libraries while discussing the procedure and findings of an experiential study conducted by authors. Books have been used as therapeutic tool since ancient times. However, over time, its role and method of operation undoubtedly changed. There is always a book that connects with the reader, empathizes with their predicament, and offers support, direction, inspiration, healing, and hope while facilitating change for every scenario in life. Therapy can be time- and money-consuming. Studies indicate that, Bibliotherapy is able to treat mild to moderate mental health issues; it will surely be helpful in different existing settings. This study therefore aimed to see the Efficacy of Bibliotherapy in Patients with Obsessive Compulsive Disorder with Depression. Experimental method was used to conduct this study. Researchers firmly believes that the study will be helpful in academic settings which help to maintain a healthy environment for the library users. Finally, the study put forth a framework for successful implementation Bibliotherapy services in different type of libraries

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Dr. Deoshree Akhouri

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5:30 PM to 6:00 PM - Tea Break



Auditorium Corridor

6:00 PM - 7:30 PM

19TH ANNUAL LECTURE ON INFORMATICS



Dr Reddy's Auditorium

Chair:



Prof. Somak Raychaudury

Vice Chancellor, Ashoka University, Rajivgandhi Education City, Sonapat, Delhi-NCR, India.

Building the Next Generation Intelligent Information Systems

Abstract:

We live in the information age - there is availability of all kinds of information, but we are also drowning in too much of it. This necessitates developing techniques for targeted information access, which go beyond the standard document retrieval paradigm, and return the specific information desired by a user, often consolidated from multiple sources. This talk shall briefly describe various threads of research towards this goal. They include extraction of facts stated in text, inferring facts not explicitly stated in text, use of knowledge to aid with complex question answering, and building dialog agents for answering information queries.



Dr. Mausam

Professor, Jai Gupta Chair, Department of Computer Science & Engineering; Head, Yardi School of Artificial Intelligence, Indian Institute of Technology, New Delhi, India.

7:30 PM - Dinner



Multi-Purpose Hall (MPH), Admin Block, 4 th Floor

8:30 AM – Registration Desk Opens  Shanghri Library

9:30 AM - 11:00 AM

THEMATIC SESSION 3

 Dr Reddy's Auditorium

AI/ML Applications in Library Services

Session Chair:



Dr. Jagdish Arora

Advisor, National Board of Accreditation, New Delhi

Keynote: Low Resource Machine Translation

Abstract:

This talk is on multilingual computation, focussing on Machine Translation, in low resource setting. Tasks in this area have to grapple with the characteristic problem of disambiguation in the face of resource scarcity, which is the reality for most languages and also arguably for ANY language when it comes to very high-end NLP tasks like, say, 100% disambiguation as demanded by pure interlingua based MT.

Starting with our early work on rule-based MT, we move to our research in Low Resource Machine Translation, covering SMT, NMT, segmenting, pivoting, and semi and unsupervised MT. The findings covered in this talk are based on contributions by many students and researchers over many years, reported in top conferences and journals.



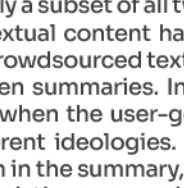
Dr. Pushpak Bhattacharyya

Abdul Kalam National Fellow
Professor in CSE, IIT Mumbai

Lecture 1: Summarizing User-generated Textual Content: Motivation and Methods for Fairness in Algorithmic Summaries

Abstract:

The emergence of social media in the last two decades has proved them to be an invaluable cultural mirror worthy of preservation. Consequently, back in 2010, the Library of Congress announced a partnership with Twitter to archive all public tweets posted on the platform. However, with explosive growth in the amount of user-generated information, storing everything does not seem to be a viable option, and in 2017, the Library of Congress decided to preserve only a subset of all tweets going forward. This approach is formally known as Extractive Summarization. Broadly, summarization of textual content has many applications, ranging from traditional summarization of long documents towards the summarization of crowdsourced text. Traditionally, summarization algorithms have been evaluated only based on how well they match human-written summaries. In this talk, I discuss evaluating summarization algorithms from a completely new perspective that is important when the user-generated data to be summarized comes from different social groups, e.g. men or women, or people with different ideologies. Since an extractive summarization algorithm selects a subset of the textual units in the original data for inclusion in the summary, we investigate whether this selection is fair or not. Our experiments over real-world tweet datasets show that existing summarization algorithms often under/over-represent different social groups. To reduce such adverse impacts, we propose novel fairness-preserving summarization algorithms which produce high-quality summaries while ensuring fairness among various groups.



Prof. Abhijnan Chakraborty

Asst. Professor, Dept of Compute Science and Engg. Indian Institute of Technology, Delhi

Lecture 2: Automatic identification of discourse labels in a scientific abstract

Abstract:

The abstract of a scientific paper succinctly summarizes the main ideas contained in the paper. While the main text of the paper is almost always divided into a number of discourse categories like Introduction, Related work, Methods, Results, and Conclusion, the abstract is typically a single paragraph sans discourse labels. Explicit segmentation of the abstract into discourse categories could be helpful for granular search and recommendation. Recently, there have been some attempts to use machine learning techniques to automatically label the sentences of an abstract with discourse categories. In this talk, I will highlight the challenges of this problem and discuss a few techniques that have been successfully applied for this task.



Dr. Debarshi Kumar Sanyal

Assistant Professor, Indian Association for the Cultivation of Science, Kolkata

11:00 AM to 11:30 AM - Tea Break  Auditorium Corridor

11:30 AM - 12:30 PM

PANEL DISCUSSIONS

Dr Reddy's Auditorium

Will AI/ML become omnipresent in libraries? Are we ready?

Moderator:



Prof. P. Mukhopadhyay
Department of Library & Information Science, University of Kalyani, Kalyani, WB

Panellists



Dr. Partha Pratim Das

Visiting Professor, Dept of Computer Science & Engineering, Ashoka University, Sonapat



Dr. Mia Ridge

Digital Curator, British Library, London



Dr. Madhan Muthu

Director, Global Library, O P Jindal Global University, Sonipat, Haryana, India

12:30PM - 1:00 PM

TeQuiz - PRELIMINARY ROUND

Dr Reddy's Auditorium



Quiz Master:

Dr. Raj Kumar Bhardwaj

Librarian, St. Stephens College Delhi University, New Delhi.

1:00 PM to 2:00 PM - Lunch Break Multi-Purpose Hall (MPH), Admin Block, 4 th Floor

2:00 PM - 3:15 PM

EXPERIENTIAL SESSION: E3

Dr Reddy's Auditorium

E-Resource Management

Session Chair:



Dr. Santosh C. Hulagabali

University Librarian, Central University, Haryana.

Implementation of Koha in managing the e-resources of the library

Abstract:

The implementation of ERM is essential for managing the e-resources in the library. Due to digital expansion, small or large libraries procure e-resources as per the requirements and budget availability. The ERM software enables all library staff to access licenses, agreements and contract information from their respective perspectives, compared to the traditional system, where these documents are kept in e-mails, paper files and spreadsheets, making it difficult for other staff to access needed information on time. The ERM helps manage the electronic resources efficiently, streamlining the workflow, different report generations, terms of use at title levels, statistics of usage, yearly costs, usage statistics, etc., at a single platform. The present proposal aims to explore the features of the latest version of Koha 22.11, which has a module of ERM, and to provide input so that we people can take maximum advantage of this utility in a larger professional perspective.

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Mr. Amit Gupta

Manager Library Technology Services (LTS)
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Trends in Off-Campus Usage of Remotely Accessible e-Resources of Dhanvantri Library, University of Jammu

Abstract:

This paper investigated the remote usage of e-resources availed by the Dhanvantri Library of the University of Jammu. The study of the adoption of e-resources, their intended remote use, as well as satisfaction, have also been important aspects of this study. The Technology Acceptance Approach (TAM) model is used to explore the level of adoption of e-resources through remote access in two dimensions, i.e., PU and PEU, which are scaled at two levels. The students' preferred e-resources include e-journals, e-books, BIPDs, ETDs, etc. in different formats. Except for the department, there was no significant relationship between e-resource awareness, use, and satisfaction with the respondents' demographics [satisfaction- $2(36, 299) = 57.46, p < .05$]. A very small portion of the sample has adopted the remote access environment of the Dhanvantri library where the average perceived usefulness is 2.97 ± 1.17 , and the perceived ease of use is 2.58 ± 1.99 . The total adoption score is $2.05 \pm .83$ indicating a moderate level of adoption of remote access to e-resources by students of the University of Jammu. Consequently, TAM is significantly related to PEU [$\chi^2(12, 299) = 219.06, p < .001$] and PU [$\chi^2(10, 299) = 48.33, p < .001$]. In addition, awareness and use of the orientation programme and online services; and satisfaction with the available e-resources and the catalogue are the important factors that have an impact on technology adoption. The study's findings suggest that organisations should test the total adoption of any technology, launch an awareness campaign with the help of the library, library staff, teaching faculty, or university administration, and develop a marketing plan to promote e-resources.

AUTHORS



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Implementation of Electronic Resource Management System: A case study of Central Library, IIT Delhi

Abstract:

The share of electronic resources in the library subscription has been increasing over a period of time. Academic institutions worldwide have spent a significant sum on electronic resources, including e-journals, databases, and eBooks. Global research indicates that the management of electronic resources

AUTHOR



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is very complex, and the workflows associated with them differ from the workflow of print resources. Although electronic resources have been around for almost two decades, librarians are still trying to figure out the most effective method to handle them. The study suggests that many non-compatible stand-alone systems are used to manage electronic resources. Library Management Systems (LMS) and Library Services Platforms (LSPs)

cannot manage electronic resource workflow. Electronic Resource Management System (ERMS) can be used to manage electronic resource workflow. However, the cost is an important factor in not using commercial ERMS. This study examines the implementation of open-source ERMS CORAL in the Central Library, IIT Delhi. It discusses the steps involved in the implementation stages and the problems faced while implementing the system. It also discusses the features of CORAL. It also examines the pros and cons of CORAL. This study will be beneficial for those institutes that are looking for the implementation of CORAL.

AUTHOR



Mr. Arvind R. Nair

Ex- Library Intern
Central Library, Indian Institute of Technology, Hauz Khas, New Delhi

E-Resource Management with CORAL ERMS.

Abstract:

IIMB library subscribes to 120+ e-resources comprising e-books, e-databases, e-datasets, e-journals, Newspapers, Magazines, archives of journals, and newspapers. The subscription and purchase process involves significant documentation about content profiles, technical details on access and software requirements, contracts, invoices, and metadata, among others. All these can be categorized into pre- and post-purchase processes.

As 95 percent of our budget is spent on the acquisition of digital content, a robust management system that supports the activities in tasks in the life cycle of electronic subscriptions has been our concern for a long time. Proprietary software is cost prohibitive, though easy to operate & maintain as extensive customisation is not required.

We installed the latest version 2020.09 of coral downloaded from the site <http://coral-erm.org/download/> six months ago and trying to figure out how it supports our framework of the life cycle of these subscriptions. Each milestone involves multiple tasks in the subscription/acquisition cycle like licensing contracts, usage metrics, technical support, terms and conditions for using resources, etc. Our collection policies are iterative and reviewed every year to comply with dynamism in models of pricing, technical changes, and improvisation in our processes to reduce delays. We have tested each module of Coral and found it can be implemented in our library & review after a year with an alternative such as KOHA/ERM.

AUTHORS



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Mr. Mihir Ranjan Panda

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2:00 PM - 3:15 PM

EXPERIENTIAL SESSION: E4



Lecture Theatre (LT-207),
Academic Block (AC-01),
2 nd Floor

Open Access (OA) and Data Deluge

Session Chair:



Dr. G. Mahesh

Sr. Principal Scientist, SCDD,
CSIR, New Delhi.

Topic: Decoding Predatory Publishing practices for Academia

Abstract:

Predatory or deceptive publishing is still a pestering issue in scholarly communication. A vast number of scholarly articles are being produced, and it is essential to keep them in check as the potential harm they could do to the scientific discourse is enormous. We can reduce the impact of predatory publishers by aiding the scholar community with simple and easy-to-understand devices that help them analyze the journals/publishers themselves. This could be part of the orientation from a researcher's, library's, or mentor's level. With the Open Science Framework (OSF) project titled "Decoding

AUTHOR



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Predatory publishing practices for Academia (DePA)", the authors try to equip users in identifying potential predatory journals and endorse ethical & quality publishing. The project will consist of training materials & a rubric that was developed to examine the quality of an Open Access scientific journal by combining the publisher and individual journal aspects.



Ms. Anila Sulochan

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Neelakudi, Thiruvavur

Machine-generated Colon Class Numbers: Automatic Classification of Multilingual Works in Indian Literature in the Wiki-data Environment

Abstract:

Wikidata is emerging rapidly as an omnipresent information space. Interestingly, Wikidata is based on a facet-based linked open data approach similar to the theory of facet analysis as proposed by Rangathan. In some cases, for example, the literary works available in Wikidata are linked with the author of the work and the language of the work. The author of the work has properties like date of birth, occupation, native language, writing language, and so on. These faceted linked data elements of literary works can be joined together based on the the rule-base of the Colon Classification (6 th edition) with the help of CC LitBox gadget. The synthesis of the colon class number is therefore amenable to automation in the Wikidata environment.

AUTHORS



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Data Wrangling from Socio-academic Web-space: Designing A Meta Model

Abstract:

Data is considered an asset in the digital economy, from government organizations to small-scale industries. People continuously generate different kinds of data by simply clicking and leading their daily routines. As a result, the quantity, nature, and complexity of data are overgrowing day-by-day. In the meantime, the emergence of open science technologies (standards, protocols, software) takes away the attention of worldwide researchers to develop datasets that are openly available for information seekers. Thus, it is high time to develop a Meta-approach for extracting data from the large array of databases through REST/API calls. The general objective of this paper is to develop a meta-methodology for gathering and formatting data from the socio-academic landscape. The specific objectives are three-fold: i) identifying socio-academic data sources offering metadata and related information through REST/API. ii) to demonstrate a methodological approach for fetching the socio-academic data from ODbL (Open Data Commons Open Database License) based data sources using open source data wrangling tool called OpenRefine (through REST/API), and iii) how a researcher takes advantage of openly available data using newly emerging data science technologies for their research work and to provide day-to-day library services. This meta-model can help researchers access data using REST API, opening up a new area of research that researchers can use to analyze the data quantitatively.

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Promoting RDM Awareness among LIS Professionals through Data Carpentry: A Theoretical Framework

Abstract:

The research proposal outlines a plan to design a data carpentry framework that can be used to promote research data management (RDM) among library and information science (LIS) professionals in India. The aim is to identify the skill sets required for LIS professionals and compare them with the skills taught in top universities.

AUTHOR



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The skills covered in Data Carpentry will also be considered. A comprehensive approach will be followed through a systematic survey of existing scholarly literature and a mapping of the M.Lib.I.Sc syllabus of top five NIRF ranked universities that offer courses in LIS. The skills that need to be imparted through data carpentry workshops will be identified, and a framework will be prepared that includes aspects such as which skill should be taught first, which should be followed upon, and what should be the prerequisite. The expected outcomes include a list of skills needed for RDM, analysis of the university's syllabus to find out the skills taught to library professionals, identification of extra skills required for RDM that are not taught in the syllabus, introduction of data carpentries with the involvement of skills required for RDM, and development of a Data Carpentry Framework for the identified skills. This may help library professionals develop the extra skills needed for promoting and implementing RDM.

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3:15 PM - 4:00 PM

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Librarian, St. Stephens College
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4:00 PM to 4:30 PM - Tea Break  Auditorium Corridor

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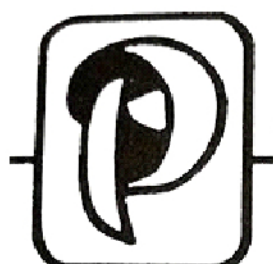
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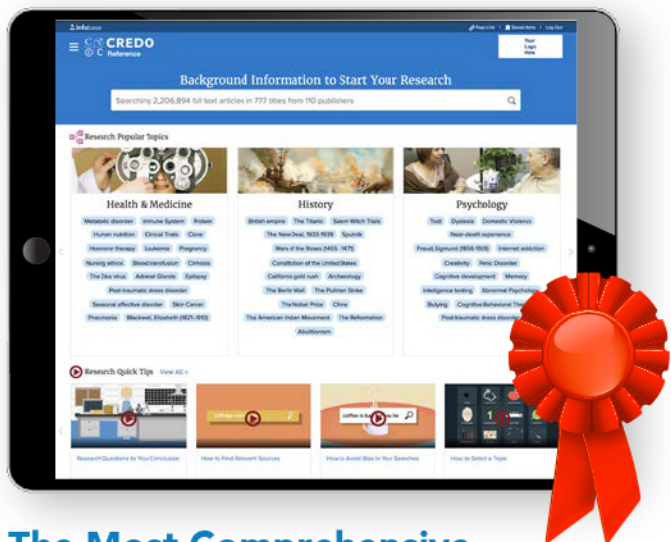
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