NDLI: VISION & MISSION

NATIONAL SEMINAR ON DIGITAL RESOURCE MANAGEMENT TECHNOLOGY (NSDRMT 2019)

ORGANIZED BY

BENGAL LIBRARY ASSOCIATION

&

S N BOSE NATIONAL CENTER FOR BASIC SCIENCES

SHIBABROTO BANERJEE
sbanerjee@iitkgp.ac.in
Principal Project Officer – Systems
National Digital Library of India
Indian Institute of Technology Kharagpur

02-NOV-2018
Why NDL?

INDIA’S NEED

Quality education for ANYONE, ANYTIME, ANYWHERE

With a million people turning 18 every month India needs 6 Universities and 270 colleges monthly to bridge the education divide

National Digital Library of India can provide a disruptive innovation designed to overcome this challenge
This is Payel.

Payel is now in class VIII.

Her first language being Hindi, she begun English studies from class VI, which is two and a half years ago. She still struggles a little with some of the big words.

Her final exams are next month. She is particularly scared of Physics.

Payel has a MOTO-G5 with 4GB RAM. It is her pride and joy.

It has Google, YouTube and the NDLI Android app!
GOOGLE Vs NDLI

Search Keyword: Magnetism

Google

Results: 2,36,00,000 results

National Digital Library of India

Results: 4,82,077 results
Problem Solved

Educational level: V-VIII (56 results)

Language of choice: Hindi (4 results)
BUILD UP
NATIONAL DIGITAL LIBRARY OF INDIA
AS A NATIONAL KNOWLEDGE ASSET –
THE KEY DRIVING FORCE FOR EDUCATION,
RESEARCH, INNOVATION, AND
KNOWLEDGE ECONOMY IN INDIA
NDL Mission

TO CREATE A 24X7-ENABLED INTEGRATED NDL AS A UBIQUITOUS DIGITAL KNOWLEDGE SOURCE OF THE NATION – CATERING TO IMMERSIVE E-LEARNING FOR ALL LEARNERS AT ALL LEVELS IN ALL AREAS

TO INITIATE A MOVEMENT FOR INTEGRATED DIGITAL LEARNING ACROSS INDIA
NDL Motto

INCLUSIVE

&

OPEN
Libraries are more important to the education system than the institutions such as schools, colleges and universities
– Rabindranath Tagore
National Digital Library: Issues

**User-side**
- Wide geographic expanse & Large population
- Huge number of students
- Large number of institutions
- Varied linguistic diversity
- Severe lack of Teachers

**Provider-side**
- Wealth of digital content
  - Books and Articles
  - ETD
  - Question Papers and Solutions
  - Video Lectures - MOOCs
  - Simulations & Animations
  - NMEICT Projects
  - Data
  - ...
- No single-window search
- Google search uses keyword – no metadata search
- Widely varied DL technology
- Lack of Interactivity, Vernacular support
- Low integration between content and learning system
- Weak ecosystem between learners and teachers
National Digital Library: Service Architecture

Content Creation
Content Search
Learning Content
Experience-based Learning
Multi-Lingual Content
Mobile Apps

Authoring Services
Acquisition Services
Dissemination Services

Digital Repository

Digital Library

Learning Services
Personalization Services
Localization Services
Open Services ...

National Digital Library

Content Borrowing
Content Access
Multi-faceted Interface
APIs
Presentation Model

- Not a new library – an umbrella
- Collects and ingests metadata only
- Presents full-text from source view
- Provides:
  - Search
  - Browse
Content at NDL
- Born-digital object
- Digital surrogate of a physical object
- Digital metadata of physical object

Metadata at NDL
- NDL does not store contents
- NDL only ingests metadata for Search & Browse
- Content (Full-text) is delivered from Source

A content is included (metadata ingested) in NDL if it is expected to have educational value
Content View Architecture

Vertical-Specific Custom Interface and Search

Domain Metadata

Search

App Launcher

Browse

Content Baseline

Generic Interface and Search

Textbook, Lesson View

IIT, Kharagpur
## Stakeholders

### Roles and Responsibilities

<table>
<thead>
<tr>
<th>Stakeholder</th>
<th>Roles and Responsibility</th>
</tr>
</thead>
</table>
| **Government** | 1. Sponsor and facilitator  
2. Content Contributor  
   - Ministries / Departments  
   - R & D Labs |
| **Institutions** | 1. Host Institution – IIT Kharagpur  
2. Contributing Institution – Supporting IDRrs  
3. Participating Institution – Providing Users & Feedback |
| **Public** | 1. Use and Feedback  
2. Metadata by Crowd Sourcing  
3. Content by Crowd Sourcing |
| **Industry** | 1. Technology Providers |
| **Publishers** | 1. Metadata Provider  
2. Content Provider (under various licensing schemes) |
Contributors

CFTI, State and Central Universities, R & D Labs, Govt. Depts, Free Portals, Publishers, etc.
Users & Access

Registration is Open to all

Registration Types:

- Individual
  - Registers directly
- Institutional
  - By request from Institution
  - Managed by authenticated Nodal Person
  - Convenient for bulk upload of users

17/09/2018
The Big Picture

Knowledge Repository: Internet, Mobile

National Digital Library of India

Credit Transfer and Virtual Certification (NAD)

SWAYAM, SWAYAM Prabha, GIAN

School, Certificate, Diploma, UG & PG: Internet

SWAYAM: instrument for self-actualisation

SWAYAM Prabha: 32 DTH, 24x7

School, UG, PG, Open U, IIT PAL: TV – DTH

National Digital Initiative in Education

IIT, Kharagpur 17/09/2018 S Banerjee, NDLI, IIT Kharagpur
## Access Options

<table>
<thead>
<tr>
<th>Access Type</th>
<th>Description</th>
<th>Example</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Open</strong></td>
<td>Full-text available to all (Example: NCERT)</td>
<td></td>
</tr>
<tr>
<td><strong>NDL Users</strong></td>
<td>Full-text available through NDL, <em>not directly</em> from Source (Example: South Asia Archive)</td>
<td></td>
</tr>
<tr>
<td><strong>Limited Access</strong></td>
<td>Part of text available but full-text requires authorization by Source authority (Example: IISER, Bhopal)</td>
<td></td>
</tr>
<tr>
<td><strong>Subscribed</strong></td>
<td>Full-text available from institutions that have subscribed to the Source (Example: Springer)</td>
<td></td>
</tr>
<tr>
<td><strong>Restricted</strong></td>
<td>Full-text access requires authorization by Source authority and separate login to the Source (Example: IIT Jodhpur)</td>
<td></td>
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</tbody>
</table>
Institutional Roles and Responsibilities

The *worth of a librarian should* be gauged by his power of attracting and looking after such circles by acting as the intermediary of an intimacy of relationship between *reader and the library*. – *Rabindranath Tagore*
# Roles and Responsibilities

## Host Institution

- **IDR**
  - Support for Setting up IDR
  - Installation CD
  - Manual
  - Training
  - IDR Service, if needed

- **Metadata**
  - NDL Metadata Standard
  - Creation, Curation Workflow

- **User**
  - Institutional Registration for Nodal Person
  - Bulk Addition of Users

- **Ongoing Support**
  - Over email, phone
  - Hands-on at NDL, if needed

## Contributing or Participating Institution

- **IDR (CI only)**
  - Setup IDR in Institutional LAN
  - Register with OPENDOAR / ROADMAP
  - OAI-PMH compliance for harvesting
  - OAI-ORE compliance for full-text access
  - Allow external access & Update regularly

- **Content (CI only)**
  - Add Content
  - Encourage faculty, students, staff to contribute
  - Create and Curate Metadata

- **User**
  - Register as an Institution
  - Add users in bulk or send to NDL

- **Promote**
  - Organize Workshop
  - Identify and Integrate Source
Role of a Librarian

- Setting up IDR using DSpace/Eprints
- Arrange, Classify and Categorize the Documents (Image, Audio, Video, Text, etc.)
- Define a Metadata Schema for the Documents or use NDL Metadata schema
- Prepare Metadata Entry Form
- Setup a Workflow of Data Entry
- Apply proper restrictions to copyrighted or restricted items
- Host the IDR in the internet.
NDLI IDR Workshops

1. National (General) IDR WS @ IIT Kharagpur, 15/17-June-15
2. Regional (North-East-I) IDR WS @ IIT Guwahati, 04/05-July-15
3. Regional (North-I) IDR WS @ IIT Roorkee, 24/25-Aug-15
4. Regional (West-I) IDR WS @ M S University, 28/29-Jan-16
5. Regional (South-I) IDR WS @ IIT Madras, 25/26-Mar-16
6. Regional (South-II) IDR WS @ IISc, Bangalore, 20/21-May-16
7. Regional (South-III) IDR WS @ IIIT, Hyderabad, 01/02-Jul-16
8. Regional (North-II) IDR WS @ JNU, New Delhi, 01/02-Sep-16
9. Regional (North-East-II) IDR WS @ NIT, Meghalaya, 23/24-Sep-16
10. Regional (West-II) IDR WS @ IISER, Pune, 05/06-Oct-16
11. National (Medical) IDR WS @ AIIMS, New Delhi, 20/21-Oct-16
12. Regional (Central-I) IDR WS @ NIT, Raipur, 18/19-Nov-16
13. National (Legal) IDR WS @ NUJS, Kolkata, 09/10-Dec-16
14. Regional (East-I, NIT) IDR WS @ NIT, Rourkela, 13/14-Jan-17
15. Regional (Central-II) IDR WS @ ABV-IIITM, Gwalior, 09/10-Feb-17
16. Regional (East-II) IDR WS @ University of Calcutta, Kolkata, 10/11-Mar-17
17. Regional (South-IV) IDR WS @ SPA, Vijayawada, 21/22-Apr-17
18. Regional (West-III) IDR WS @ MNIT, Jaipur, 12/13-May-17
19. Regional (North-III) IDR WS @ IIT-BHU, Varanasi, 02/03-Jun-17
20. Regional (South-V) IDR WS @ P N Panicker Foundation, Trivandrum, 20/21-Jun-17
<table>
<thead>
<tr>
<th>No.</th>
<th>Regional (Location) IDR WS @ Venue, Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>21.</td>
<td>Regional (North-IV) IDR WS @ IIAS, Shimla, 21/22-Sep-17</td>
</tr>
<tr>
<td>22.</td>
<td>Regional (East-III) IDR WS @ IIT Dhanbad, 24/25-Nov-17</td>
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<tr>
<td>23.</td>
<td>Regional (West-IV) IDR WS @ Goa Engineering College, 18/19-Jan-18</td>
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<tr>
<td>24.</td>
<td>Regional (North-V) IDR WS @ IIT Ropar, 16/17-Mar-18</td>
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<tr>
<td>25.</td>
<td>Regional (North-VI) IDR WS @ University of Jammu, 06/07-Apr-18</td>
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<tr>
<td>26.</td>
<td>Regional (North-VII) IDR WS @ IICA, Manesar, 07/08-Sep-18</td>
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<tr>
<td>27.</td>
<td>Regional (East –IV) IDR WS @ IIT Patna, 17/18-Sep-18</td>
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</tbody>
</table>
NDLI User Workshops

1. National VC Address over NKN, 03-Feb-16
2. National VC Address over NKN, 26-Sep-16
3. Regional (North-I) User WS @ Jamia Millia Islamia, New Delhi, 20-Oct-16
4. Regional (South-I) User WS @ Pondicherry, New Delhi, 16-Nov-16
5. User WS @ SPOC workshop of NPTEL Local Chapter Colleges of East Zone, IIT Kharagpur, 23-Dec-16
6. Interaction with Publishers @ P N Panicker Foundation, Trivandrum, 05-Jan-17
7. Lecture @ Training Workshop for Librarians’ @ P N Panicker Foundation, Trivandrum, 06-Jan-17
8. Regional (South-II) User WS @ Trivandrum, 20-Jun-17
9. TEQIP III, CET & CEP, IIT Kharagpur, 06-Feb-18
10. Regional (North-III) User WS @ Chandigarh University, 15-Mar-18
NDLI User Workshops (Contd.)

12. TEQIP IV @IIT Kharagpur, 28-Jun-18
13. Regional (East-I) User WS @ Splendour School , Kharagpur, 10-July-18
14. Regional (East-II) User WS @ DAV Model School, Kharagpur, 11-July-18
15. Regional (East-III) User WS @ St.Agnes School, Kharagpur, 12-July-18
16. Regional (North East-I) User WS @ Pub Kamrup College, Kamrup, Assam, 19-July-18
17. User WS on 68th Foundation Day of  IIT Kharagpur, 18-August-18
18. Regional (North East-II) User WS @ Shankardev Sishu Vidya Niketan,mangaldai, 21-August-18
19. Regional (North East-III) User WS @ Faculty Higher Secondary School, 24-Aug -18
20. Regional (North East IV) User WS @ Patidarrang College, 28-August-18
21. Regional (North East V) User WS @ Puthimari College, 29-August-18
22. Regional (North East VI) User WS @ Gauhati University, 13-September-18
23. Regional (NE-VIII) User WS @ D K Girls' College, 18th September  2018
24. Regional (NE-VII) User WS @ Teachers' Training College, Mirza, 18th September ‘2018
NDLI User Workshops (Contd.)

25. Regional (NE-IX) User WS @ Nowgong Polytechnic, 4th October 2018
26. Regional (South-III) User WS @ V V Vanniaperumal College for Women, Virudhunagar, Tamil Nadu, 6th October’2018
27. Regional (NE-X) User WS @ Assam Don Bosco University, 8th October’2018
28. Regional (South-IV) User WS @ Virudhunagar Hindu Nadars' Senthikumara Nadar College 9th October’2018
29. Regional (South-V) User WS @ Kamaraj College of Engineering and Technology 11th October’2018
30. Regional (South-VI) User WS @ College of Engineering Trivandrum, Kerala- 16th October, 2018
1. Regional (North-I) User WS @ Directorate of Public Libraries, Jammu, 11-Dec-17
2. Regional (South-I) User WS @ Directorate of Public Libraries, Chennai, 22-Mar-18
3. Regional (South II) User WS @ Directorate of Public Libraries, Hyderabad, 13-May -18
4. Regional (North II) User WS@ Directorate of Public Libraries, Jaipur, 22-Jun -18
• OSSLM 2018: National Workshop for Open-Source Software for Library Management @ IIT Kharagpur, 7/12-May-18

• OSSLM 2017: National Workshop for Open-Source Software for Library Management @ IIT Kharagpur, 12/17-Jun-17

• OSSLM 2016: National Workshop for Open-Source Software for Library Management @ IIT Kharagpur, 13/18-Jun-16
• eduPreneurship @ GES 2018, 03/04-Feb-18 –IIT Kharagpur
• eduPreneurship @ GES 2017, 04/05-Feb-17-IIT Kharagpur
Copyright Workshop

National Workshop on Copyright Issues in Digital Libraries @ IIT Kharagpur
9th Feb - 10th Feb 2018

Focused on three things:

- Are our librarians familiar with the Indian Copyright Act (2012)?
- What are their rights?
- What can one do beyond the Copyright Act that will not be considered infringement?
NDLI International Event

IFLA WLIC 2018
Kuala Lumpur, Malaysia | 24th Aug - 30th Aug 2018

International Relations: How far have we come and where do we go from here?
Progress, feedback and feasibility - National Organizations and International Relations SIG (SIGNOIR)
Conducted in short presentation and roundtable discussions mode with Focus on BRICS | 26th Aug 2018

Presentation
National Digital Library of India - International Engagement: Experiences and Lessons learned

Speakers
National Library of Russia
National Library of China (Silk Road International Library Alliance)
National Library of South Africa (BRICS Alliance of Libraries)
National Digital Library of India
Let’s work together: collaborating and partnering to achieve IFLA’s vision
Conducted in short presentation and roundtable discussions mode | 29th Aug 2018

Presentation
Taking advantage of digital innovation in the National Digital Library of India

Speakers
Special Session by Christine Mackenzie, President-elect of IFLA on IFLA’s Global Vision Report Summary. The theme was Collaboration, Vision 7 in the summary report while deliberations was around the visions of Advocacy and Young professional. Partha Pratim Das spoke on Digital Innovation.
Kristian Jensen (Co-Chair, UNESCO-NDL WS) highlighted the collaboration between NDLI and British Library on the India project and spoke highly of working together.
Buhle Mbambo-Thata - African Library & Information Associations & Institutions
Allison Dobbie - Auckland Council, Govt of New Zealand
Ana María Talavera Ibarra - Pontificia Universidad Católica del Perú
Christine Mackenzie - Australian Library and Information Association
Partha Pratim Das
The session was coordinated and moderated by Ms. Deborah Jacobs, the Director of Global Libraries at the Bill and Melinda Gates Foundation
IFLA Cultural Heritage in the Community: Assessing the Impact of Digital Libraries
Conducted in long presentation and end-of-session joint Q&A mode | 29th Aug 2018

Presentation
Analytics and Impact Assessment in National Digital Library of India

Speakers
Charles Henry – CLIR talked about NDLI as a potential partner in PANGiA project.
Wan Wong – National Library of Australia (Trove)
Susan Reilly – National Library of Qatar (Qatar Digital Library)
Jeanne Drewes – Library of Congress (Digitization)
Partha Pratim Das – National Digital Library of India

**Themes**
- Digital Library Technologies
- Standards and Interoperability
- Search and Information Retrieval
- Designing for the User
- Access & Rights
- World Digital Libraries

**Participating Libraries, Projects**
- Europeana Foundation (EU, The Netherlands)
- National Library of New Zealand (DigitalNZ),
- National Library of Australia (TROVE),
- Tainacan Project (Brazil),
- German Digital Library,
- National Library of The Netherlands,
- National Library of South Africa,
- National Library of Nepal, and
- British Library (UK)
- Google Scholar
- Microsoft Academic
- Participants from Belgium, Canada, USA, Bangladesh

22 speeches spread over 9 sessions and 4 panel discussions, 30 speakers from over 12 countries
• Consultative Meeting with FINNA.FI: National Library of Finland @ Helsinki, Finland, 04-Sep-17

• Consultative Meeting with Europeana Library @ The Hague, The Netherlands, 16-Mar-17

• ICDL 2016 [Embedded WS], New Delhi, 13/16-Dec-16
NDLI National Events

- NDLI-NE-RC (North-East Regional Center) inauguration at IIT Guwahati, 20-Apr-2018
- ETAL 2015: National Seminar on *Emerging Trends in Academic Libraries* @ IIT Kharagpur, 21-Aug-15
• Turnitin: A Tool of Anti-Plagiarism @ Vidyasagar University, 13th September 2018, Dr B Sutradhar
• 11th National Conference on Recent Advances in Information Technology (READIT-2018)-Indira Gandhi Centre for Atomic Research-8th- 9th Aug 2018-Prof. Partha Pratim Das
• Training Programme on Library Automation (TPLA) Emphasizing on Training Programme on Library Automation-SRFTI-31st May - 3rd Jun 2018-Nanda Gopal Chattopadhyay
• IS-RPLS-DRS: International Seminar on Rejuvenating Public Library Services through Digital Reference Sources-Jadavpur University-22nd Feb - 23rd Feb 2018-Prof. Partha Pratim Das and Dr. B Sutradhar
• Emerging Trends and Technologies in Libraries and Information Services (ETTLIS-2018)-Bennett University-21st - 23rd Feb 2018-Dr. B Sutradhar
• LTC 2018: Library Technology Conclave-Goa University-23rd - 25th Jan 2018-Dr. Plaban Kumar Bhowmick
• National Conference on Role of Academic Libraries for Excellence in Research-IISER, Bhopal-18th - 19th Jan 2018-Dr. B Sutradhar
NDLI Participations (Keynote) (Contd.)

- IWTPLA: International Workshop cum Training Programme on Library Automation, Satyajit Ray Film and Television Institute (SRFTI)-SRFTI-13th Nov - 18th Nov 2017-Prof. Partha Pratim Das and Dr. B Sutradhar
- CALIBER 2017, 4th Conference on Re-Envisioning Role of Libraries: Transforming Scholarly Communication-Anna University, Chennai-2nd - 4th Aug 2017-Dr. B. Sutradhar
- Conference on Open Access – The Road to Freedom, Society for Information Sciences-CSIR-IICB-7th - 8th Apr 2017
- National Consultation on the National Mission of Reading-P N Panicker Foundation, Trivandrum-1st - 2nd Mar 2017
- PLANNER 2016 [Embedded WS]-North Eastern Hill University, Shillong-9th Nov 2016
NDLI Participations (Invited Lecture)

- DHDS 2018: International Seminar on Digital Humanities and Digital Societies in the Contemporary World-Calcutta University-18th - 19th Jan 2018-Dr Plaban Kumar Bhowmick & Debarshi Kumar Sanyal
- FORCE 11, The Future of Research Communication and e scholarship @ Ludmer Centre at McGill Univ, Montreal ,Canada - 11-12 October 2018
- Transforming Academic Libraries @ University of Calcutta , 15th September 2018, Dr B Sutradhar
- Short Term Course (STC) on "Smart and Green Information and Communication Technology (SGICT)-Jadavpur University-17th May 2018-Debarshi Kumar Sanyal
- IPLC 2017: 3rd Indian Public Libraries Conference, New Delhi-IPLM-3rd - 5th Oct 2017-Prof. Partha Pratim Das and Dr. B Sutradhar
- 4th NKN Annual Workshop-JNTU Hyderabad-21st - 22nd Jan 2016
- ETD 2015 India-JNU New Delhi-5th- 6th Nov 2015
- Workshop @ INDEST Meet-IISER Mohali-29th- 30th Apr 2015
NDLI Participations

- 5 Years of Indian Public Library Movement@ IPLM, 28th September’2018-Dr B Sutradhar
- Annual Steering Committee Meeting of Rights Statements 2018-New York Public Library-8th Jun 2018-Prof Partha Pratim Das, Dr. B Sutradhar
- RightsStatements.org, Steering Committee Meeting,The Hague, The Netherlands-Europeana Foundation-7th - 8th Sep 2017-Prof. Partha Pratim Das
- mBillionth 2017 Awards, New Delhi-mBillionth South Asia-4th Aug 2017-Prof. Partha Pratim Das, Dr. B Sutradhar, Dr Plaban Bhowmick
- Summer School on Document Analysis: Document Informatics 2017-CEERI, Pilani-23rd- 28th Jan 2017
- Digital Archive Inauguration-Presidency University-16th Jan 2017-Nanda Gopal Chattopadhyay, Dr Plaban Kr Bhowmick
**NDLI Participations (Tech Demonstration)**

- Canadian Undergraduate Computer Science Conference (CUCSC) - University of Calgary, Canada - 19th Jul - 21st Jul 2018, T. Y. S. S. Santosh

- Demo Track in ACM India Joint International Conference on Data Sciences and Management of Data (CoDS-COMAD '18) - Goa University - 11th - 13th Jan 2018, T. Y. S. S. Santosh
NDLI Participations (Paper Presentation)

- 7th International Conference on Advances in Computing, Communications and Informatics (ICACCI 2018) @ PES Institute of Technology, South Campus, Bangalore, Karnataka, India, 19th Sep - 22nd Sep 2018 - Dr Debarshi Kr Sanyal

- 22nd International Conference on Theory and Practice of Digital Libraries (TPDL 2018) @ Faculty of Engineering, University of Porto, 10th Sep - 13th Sep 2018 - Susmita Sadhu

NDLI Live:
www.ndl.gov.in
https://ndl.iitkgp.ac.in/

NDLI on Facebook:
https://www.facebook.com/NDLIndia/

NDLI on Twitter:
https://twitter.com/NDLIndia

NDLI on Linkedin:
https://www.linkedin.com/company/ndlindia/

NDLI on YouTube:
https://www.youtube.com/c/NDLIndia

NDLI Project:
https://ndlproject.iitkgp.ac.in/
1. Susmita Sadhu Chatterjee, **Automatic Segmentation and Semantic Annotation of Verbose Queries in Digital Learning**, Presented in 22nd International Conference on Theory and Practices of Digital Libraries held at Faculty of Engineering of the Universities of Porto (FEUP), September 10-13, 2018

1. Poonam Anthony and Plaban Kumar Bhowmick, **A Framework for Bibliographic Recommendation System based on Heterogeneous Information Retrieval Model**, The 20th International Conference On Asia-Pacific Digital Libraries (ICADL 2018) in New Zealand, to be held at University of Waikato, Hamilton, New Zealand, on 19-22 November 2018


4. Debarshi Kumar Sanyal, **Semantic Search in Digital Library**, Presented in International Seminar on Digital Humanities and Digital Societies in the Contemporary World, January 18-19, 2018


• Items: 1.8Cr+
• Metadata: Version 1.0 of Standard Published
• Sources: 187 (IDRs: 100+)
• Registered Users: 4.5M+
• Daily Website Hits: ~13K+
• Android App Download: 1.14M
• iOS App Download-57K+
• Daily Android & iOS Hits: ~6K+
• Registered User Institutions: ~9K+
• Languages: 200+
• Learning Resource type: 90+
• Subject domain:
  ○ Most of the major educational areas
  ○ Educational Level: School Level (Class-I to XII) , UG and PG
Thanks

SHIBABROTO BANERJEE
sbanerjee@iitkgp.ac.in
Shibabroto@gmail.com
Principal Project Officer – Systems
National Digital Library of India
Indian Institute of Technology Kharagpur
M: 9434023368