

## Objectives

- ◆ To provide an awareness about the NDL (NMEICT Project) to the participants of various institutions of Eastern regions.
- ◆ To provide an advanced level hands on training for the development of IDRs in each institution.
- ◆ To contextualize the role of these participating institutions through development and maintenance of IDRs for implementation of NDL,
- ◆ To provide appropriate skill so that the e- contents of individual institutions can be harvested and indexed by the NDL server.

## Registration & Accommodation

Registration starts from: **December 13, 2016**

Last Date of Registration: **December 30, 2016**

For details, visit: <http://library.nitrkl.ac.in/events/ndl>

There is no registration fee for attending the workshop. The local hospitality will be taken care by NIT Rourkela. However all participants are requested to meet travel expenses through their respective institutions or from their own funding.

### How to reach Rourkela?

**Train:** Rourkela is well connected by train routes with all parts of the country. It is situated on Howrah-Mumbai line as well as Ranchi-Bhubaneswar Line.

**Bus:** Rourkela is well connected to various towns of state by State Highway No.10 and National Highway No.23. Several buses ply between Rourkela and major cities of the state of state like Bhubaneswar, Puri, and Sambalpur etc.

Autos/Taxis are available from Rourkela Railway Station which is situated 7 km away from the NIT Campus.

### Technical Committee

- ◆ Prof. P.P. Das, Department of Computer Science and Engineering, IIT Kharagpur and Joint. PI of NDL Project
- ◆ Prof. A. Basu, Department of Computer Science and Engineering, IIT Kharagpur and CO-PI of NDL Project
- ◆ Prof. S. Sarkar, Department of Computer Science and Engineering, IIT Kharagpur and CO-PI of NDL Project
- ◆ Prof. S. Chattopadhyay, Department of Architecture & Regional Planning, IIT Kharagpur and Co-PI of NDL Project
- ◆ Prof. P.K. Bhowmik, Center for Educational Technology, IIT Kharagpur and CO-PI of NDL Project
- ◆ Dr. B. Sutradhar, Librarian, Central Library, IIT Kharagpur and CO-PI of NDL Project
- ◆ Mr. N.G. Chattopadhyay, IITKharagpur CTO of NDL Project

### Local Organizing Committee

**Patron:** Prof. Animesh Biswas, Director, NIT Rourkela

**Chairman:** Prof. A.K. Panda, PIC, BCPL

**Convener:** Dr. Bhojaraju Gunjal, Head & Deputy Librarian

**Co-conveners:** Mr. D K. Pradhan, Mrs. Puspita Mishra and  
Mr. D P. Tripathi, Asst. Librarian, BPCL

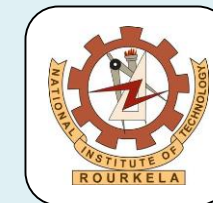
**Treasurer:** Mr. VK Mishra, Asst. Librarian, BPCL

### Correspondence Address

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## Regional (East-1) Workshop on Institutional Digital Repository for National Digital Library of India

January 13-14, 2017



Jointly Organized by  
Biju Patnaik Central Library,  
NIT Rourkela and National  
Digital Library (NMEICT  
Project), IIT Kharagpur

## National Digital Library of India

While the world spirals digitally, the proverbial “Unity in Diversity” is hitting us hard in India as the digital divide runs deep in education in India with very large pool of learners falling completely out of the digital ambit. India is a diverse country with diverse requirements in education and has widely varying access to good quality learning materials. The numbers of learning institutions, schools and colleges well as the number of students have been growing rapidly; but there are critical bottlenecks in infrastructure, qualified teachers, and quality of electronically available learning materials to cater to the different subjects, topics and language of instruction. It is, therefore, essential to have a vibrant “National Digital Library” (NDL) to create a strong backbone of unity among these diverse needs. This will help rapidly develop the country’s knowledge power enabling it to cover gaps that exist in the wide range from literacy to advanced knowledge discovery and development of scientific knowledge.

With this objective IIT Kharagpur has started a national project to integrate the Institutional Digital Repositories (IDR) of different academic institutions of the country. The Project is supported by Ministry of Human Resource Development (MHRD) through its National Mission on Education through Information & Communication Technology (NME-ICT).

The National Digital Library will cater to the requirement of learning content for students of various categories and educational levels from primary to postgraduate, teachers, researchers, working professionals in general as well as special groups ( like the legal and medical profession) and lifelong learners. It will be used to serve learning content of various types including developed e-content, e-books, e-journals, scanned books, research papers, thesis etc. NDL will provide free access to quality e-contents to learners at all levels and wherever possible to

citizens at large. It will also provide online document delivery services of licensed e-resources across the country. The repository will have various sections defined horizontally and vertically depending on user category, subject category, text, reference, books, journals, multi-media, question banks, visualizations, and the like, The special verticals for various levels will include schools, sciences, arts, commerce, law, economics, social sciences and medicine. A Web-scale Discovery Service will provide single window search of all e-resources, collected from different Institutions, Universities and different Digital Library Projects and all open access learning resources. Unicode-compliant multilingual environment will support for storing, processing and retrieving of indigenous digital contents with vernacular interfaces. To facilitate the integration of IDRs, an OAI-PMH compliant server for metadata harvesting will be designed and developed at national level. Harvested digital contents will be curated, indexed and backed up centrally for online access. On the way it may be required to make existing Digital Libraries at various institutions complaint to OAI/PMH.

NDL will facilitate the uploading of in-house resources produced in an Institute by the faculty members, staff, and students into the national repository and support cloud based solutions to institutional libraries for running their DL server in 24X7 mode. Infrastructural support to schools and colleges will help to access the learning materials from NDL, NDL will also support Collaborative Learning Management Tools and Technology to develop immersive learning platforms to study subjects ranging from school geography history and science to advanced technical topics in engineering, medicine, architecture and social sciences. Virtual e-learning, will, naturally, be the core of the remote access at national level.

**A prototype of NDL has been launched in February 2016 - <https://ndl.iitkgp.ac.in>**

## Host Institute: NIT Rourkela

NIT Rourkela is premier institute in India for higher technical education, basic and applied research. Established more than 50 years ago, NIT Rourkela is now recognized as an Institute of National Importance by Govt. of India. The Institute has more than 20 departments along with many multidisciplinary centers leading to B.Tech, M.Tech, M.Sc., M.B.A., Ph.D., and D.Sc., degree spread across 647 acres carpeted by a lush green cover, the campus of NIT Rourkela is situated right at the conjugation of the hills of Rourkela in the eastern part of India.

## About Biju Patnaik Central Library

Biju Patnaik Central Library (BPCL) is the central library of the NIT Rourkela which caters to the educational and research needs of the academic community and its resources are consulted by scholars from all over the country. BPCL started functioning since 1965 and at present, the library holds about 78,000+ books and 18,000 back volumes of periodicals. Apart from the online journals and standards provided by eShodhSindhu consortium, the library has purchased license to access more than 2000 online science and technology research journals to support local research activity. The BPCL is automated with integrated library software package called Libsys – LSmart and modernized with latest Radio Frequency Identification (RFID) based automation system that facilitates self-check-in, self-check-out and automatic security system. The RFID system counts more than 1.2 lakhs transactions (issue, return and renewal) in a year. For more details refer <http://library.nitrkl.ac.in>.