

National Digital Library-Uniting the Digitally Diverse 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 a very large pool of learners falling completely out of the digital ambit. India is a diverse country with various requirements in education and has widely varying access to good quality learning materials. The numbers of learning institutions, schools and colleges as 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 to develop the country’s knowledge power enabling it to cover gaps that exist in the broad 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 particular 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, theses, 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, multimedia, question banks, visualisations, 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 various Digital Library Projects and all open access learning resources. The 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 compliant 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 modes. Infrastructural support for 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 the national level. A prototype of NDL has been launched in February 2016 (<https://ndl.iitkgp.ac.in>).

Host Institute - IIT (BHU), Varanasi

The Indian Institute of Technology (Banaras Hindu University) Varanasi has formerly been known as (BENCO, 1919), the (MINMET, 1923), and the (TECHNO, 1936). In 1968, three were merged into one, and the IT-BHU was established. The IT-BHU was converted into IIT (BHU) on 29th June 2012 and became an autonomous body under the MHRD, Govt. of India.

The IIT (BHU), Varanasi is one of the most prestigious institutions in India which offers B.Tech & B.Pharm, five-year programs IDD & IMD, M.Tech, and PhD degrees. It has 14 departments and three schools with more than five thousand students and approx. 300 faculty members.

About Library

The Indian Institute of Technology (Banaras Hindu University), Varanasi library system consists of the Main Library, and five departmental libraries, which collectively support teaching, research and extension programs of the Institute. The Main Library just expanded and created more than 400 sitting capacity in the Air-conditioned environment. The library, besides having an excellent print collection of over 1,20,000 volumes of books, journals, theses, reports, standards, pamphlets, also provides access to over 13,000 electronic journals, more than 1,50,000 electronic books, seven online standards, and many databases in science, engineering and technology.

The Main library is the part of the university- wide network and has adequate IT infrastructure, proper electric backup facility through 30 KVA online UPS, and CCTV for security. To cater the academic need of library users for coming 50 years and changing the concept of library spaces, the Institute has planned for a more than 1, 00,000 sq feet state –of-the-art library building which will come up by the donations of alumni. The library home page (www.iitbhu.ac.in/library) a single window to all its resources and services, serves as an attractive interface between users and the library. The library provides access of Turnitin and Grammarly software to support research. The library uses Libsys7 software for housekeeping jobs and DSpace for IDR.



Objectives of the Programme

- ◆ To provide awareness about the NDL (NME-ICT Project) to the participants of various Universities, Institutions of Northern India.
- ◆ 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 Fee

There is no registration fee for attending the workshop.

Travel and Accommodation

All participants are requested to meet travel expenses through their respective institutions or from their funding agency. Subject to the prior intimation, accommodation will be provided in Institute Guest House on shared basis without any charge.

How to Reach

Varanasi is well connected by Air, Road and Railways. The Institute is around 10 KM from Varanasi Cantt station and 35 Km from LalBahadur Shastri International Airport, Varanasi. Prepaid taxi services are available from Airport and Reserved/shared taxi/auto service is available from Railway station.

Important Dates

Start of Registration: 27th April 2017

Last Date of Registration: 25th May 2017

(The registration will be confirmed only on receipt of duly filled & signed hard copy of "Registration Form" by post or scan copy of the same by e-mail). An e-mail will be sent to the applicants for confirmation of their participation.

Patrons

- ◆ Prof. Rajeev Sangal, Director, IIT(BHU) Varanasi
- ◆ Prof. Partha Pratim Chakrabarti, Director, IIT Kharagpur and PI of NDL Project.

Technical Committee

- ◆ Prof. P. P. Das, Dept. Of Computer Science and Engg. IIT Kharagpur and Joint. PI of NDL Project.
- ◆ Prof P.K. Bhowmik, Center for Educational Technology, IIT Kharagpur and CO-PI of NDL Project.
- ◆ Prof. A. Basu, Department of Computer Science and Engineering, IITKGP and CO-PI of NDL Project.
- ◆ Dr. B. Sutradhar, Librarian, Central Library, IIT khargpur and CO-PI of NDL Project.
- ◆ Mr. N.G. Chattopadhyay, IIT Kharagpur CTO of NDL Project.

Organising Committee

Chairman: Prof. S.P. Tewari, Chairman, Senate Library Committee

Convener: Dr. Navin Upadhyay, Deputy Librarian, IIT(BHU) Varanasi

Members

- ◆ M. Samrat Guha Roy, Assistant Librarian, IIT KGP.
- ◆ Mr. Devendra Pratap, Assistant Registrar (Accounts).
- ◆ Mr. Anoop Keshari, System Analyst. IIT (BHU) Varanasi
- ◆ Mr. Maneesh Kumar Singh SPA, Main Library, IIT (BHU), Varanasi.
- ◆ Mr. Samrat Maurya, Library Trainee, Main Library, IIT (BHU), Varanasi.

Venue

First Year Computer Lab, Dept of Mechanical Engg. IIT (BHU) Varanasi

Communication Address

Dr Navin Upadhyay
Coordinator-NDL Workshop
Main Library, IIT (BHU) Varanasi
Uttar Pradesh-221005
Phone/Mobile : +91-9794662333
email: nupadhyay.lib@iitbhu.ac.in
navinupadhyay233@gmail.com

Regional (North-III) workshop On Institutional Digital Repository For National Digital Library of India (June 2nd -3rd, 2017)



Jointly Organised by
Main Library, IIT (BHU) Varanasi
And
National Digital Library
(NME-ICT Project), IIT Kharagpur



**Regional (North-III) Workshop
On
Institutional Digital Repository
For**



National Digital Library of India (NDL)

**Jointly organized by
Main Library IIT(BHU) Varanasi
And
National Digital Library of India (NME-ICT Project), IIT Kharagpur**

Registration Form

1. Name (in Block letters): Dr./Mr./Ms./ Mrs.
2. Designation:
3. Organization:
4. Address:
5. City:..... State:..... Pin.....
6. Phone: (O)..... (M)..... Fax:.....
7. Email-ID (Mandatory):
8. Accommodation Required: Yes/No
If yes, Please mention check-in Date and Time:..... And
check-out Date and Time:.....
(Subject to prior intimation and availability, accommodation shall be provided in the Institute Guest House. However, the accommodation is available from the evening of June 1st, 2017 to the morning of June 4th, 2017 only on the first-come-first-borne by the individual.)

Note:

1. The last date for submission of duly filled and signed registration form is 25th May, 2017.
2. There is no registration fee.
3. Registration includes breakfast, lunch, dinner and refreshment during the programme period. However, if any participant wishes to have extra food during their stay, she/he will arrange to pay the same from her/his fund.
4. All intimations regarding the confirmation of registration and other details of the programme, if any, shall be provided by the email only
5. The form must be submitted at the following address:
Dr. Navin Upadhyay
Main Library IIT(BHU)
Varanasi-221005 (U.P)
6. Registration form duly filled-up and forwarded by the authority should be sent by Post/Scan copy by mail to the below address.
nupadhyay.lib@iitbhu.ac.in
navinupadhyay233@gmail.com

Signature of the Participant

Signature of Head of University/ Institute
(With Seal)