


SCIENTIFIC INFORMATION RESOURCES FACILITIES, SINP



LIBRARY, SINP

R. Ranganathan
Chairman, SINP Library

with the assistance of

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The Library was set up in 1950 with a meager budget of a few thousand rupees and a generous donation of books and periodicals from Profs M N Saha, P C Mohanty, P N Ghosh, N N Das Gupta, A K Saha, S K Ghosh and others. Indian Science News Association, Indian Association for the Cultivation of Science and the National Institutes of Science in India made gifts of periodicals.

Since then the Library has grown steadily in size (now 6500 square metres) and resources. Its budget, only Rs 50,000 in 1960, went up to Rs 2 lakhs in 1970 and 14 lakhs in the early eighties. It stands at Rs 7Crores now.(12th plan budget 2012-17) with support from DAE.

Now our library is going on the highway of digitization. The Library has the Libsys 6.1 (with the **Web OPAC**) software installed on a Linux platform to help access the Library Databases using any standard browser.

On-line access to journals is available to the institute members only. Journal sharing facility exists among a few Libraries in Kolkata. The Library offers its reading room service to the outsiders on appropriate registration.

Membership Status

❑ Internal Users :

Academic: 128

RF/RA: 223

Staff: 227

VECC Users : 103

❑ External Users: 570

Total: 1251

Library- space

- Total Area: 6500 Sq. Meter
- Area for Reading Room: 800 Sq. Meter
- Area for Journal Section: 3200 Sq. Meter
- Area for Book Section: 1000 Sq. Meter
- Other: 1500 Sq. Meter

Reading Room



PHOTOGRAPHY
AMAL GHOSH - 9830171646

Journal Section



Number of Printed Documents

➤ Bound Journals: 51973

➤ Books: 35722

➤ Reports: 25000

E-Resources

Total Number of Online Journals : 4000 (approx.)

Current Subscribed Journals :

Foreign: 176

Indian: 55

Online E-Books: 1000 (approx.)

CD-ROMS: 1062

Elsevier Science Direct (DAE Consortia)

Citation Tools: ISI Web of Science & SCOPUS

Services Offered

- Journal & books procurement according to needs of faculties and researchers (SINP). Now procurement process is being shifted from print media to electronic media (mainly online facility).
- Checkout/Check in of library document (internal members).
- Inter-Library-Loan mainly through Electronic Document Delivery Service (EDDS).
- Poster printing for internal researchers.
- Works related to citation & impact factor by using citation tools according to institute's need..
- External members may use cyber zone to access their required document through online without cost.
- Reference service both for Internal & external members
- Print/Xerox for external members with cost.

11th Plan Project 2007-2012: Library Digitization and E-Resources (LDER)

Objectives:

- To provide required information/document to the respective user within the limited time frame. Here lies the need of digitization and implementation of EIS (Electronic Information Service) at library, specifically scientific library .
- Due to enormous proliferation of scientific literatures through electronic media, any mode of available information can be accessed easily and every researcher, therefore, wants to enjoy this facility to speed up his/her research activity. SINP is one of the premier R&D institute of India, library of SINP also keep itself up to date with the present situation.
- To update Associated Hardware – storage, download file speed, usage pattern
- The Proposed project is to change the library from traditional one to digital one.

OUTCOMES OF LDER 2007-12

After successfully completion of this project, number of online journal archives, serials, e-books, protocols and citation tools are available in our library. These are:

Online Journal Archives-

ACS Archives 1879 +

AIP Archives 1931 +

IoP, London 1849-1998

John Wiley 1799-2000

Journal of Fluid Mechanics 1956-1999

Nature Journals 1987 +

Oxford Journals 1878-1995

Contd.

RSC Journals 1876-2004

Royal Society Journals 1665-1997

Science Classic 1880 +

Springer (Physics) 1843-1996

Springer (Chemical + Material Science)- up to 1996

Taylor & Francis 1826-1996

Turpion 1958-1999

World Scientific (6 journals) 1986-2001

e-Books, Serials and protocols

CRC netBASE (T&F)

Cambridge (Physics, Life Science)

Wiley (Physics)

World Scientific (Chem., Math and Phy.)

Serial Publications

Annual Reviews

Lecture Notes in Physics (V.1-475)

Protocols

Springer Protocols 1980-2010

Another Special Feature of this project

1. A particular portion of Reading Room is being used as **Cyber Zone** containing more than 10 PCs with internet facility.

The main purpose of Cyber zone is due to mainly for external users for downloading their required articles available in our online archive without cost. Cyber zone, therefore, is very popular for external users.

2. To digitize our institute's annual reports and archival documents, using **Book scanner** (Book Drive DIY).

Now Annual reports of our institute are available through online. Also digitization of Prof. Meghnad Saha's Collection is under progress..

12th Plan Project: Library Digitization & Resource Management (LDRM) (2012-2017)

Rs 700 laks

Objectives: The project “Library Digitization & Resources Management” is to develop and maintain an intelligent library by augmenting the existing library & infrastructure facilities.

Scientific information Resource augmentation and Industry interface to upgrade and augment the digital information and library infrastructure facilities, scientific and technical information resources and to provide them on the desktop of SINP scientists, research scholars and engineers.

Outcomes of LDRM

1. The intelligent library will create the knowledge environment – virtual library and information services to the users.
2. This will facilitate the user to retrieve the documents of interest from the virtual library based on keywords and guide them to appropriate e-resources as well to the physical location of all the relevant documents.
3. The scientific user community will have a single window facility to access the knowledge distributed. Augmented scientific information resources.
4. setting up industry interface facilities for technology transfer and new patents for in depth research.

Major Milestones of LDRM

Online procurement of :

- Royal Society archive
- IEEE Xplore Digital Library
- Cambridge Journals Archive
- Springer Journals Archive (Chemistry & Materials science)
- European Mathematical Society journals
- American Society for Microbiology journals
- IoP Journals archive (1998 onwards)
- Cambridge & World Scientific e-books
- ACS symposium series
- Blackwell journal achieve
- EDP journal achieve

Contd.

- NPG journal achieve (prior to 1987)
- World Scientific Journal achieve
- Inspec database
- Ebsco Knowledge portal
- E-books by Elsevier (Physics, Biophysics & biochemistry)
- AIP Conference Proceedings
- Renewal of Web of Science & SCOPUS

Future Programme

- Procurement of other online important scientific journals/serial publications/ebooks
- Implementation of RFID
- Digitization of bound volumes which are not subscribed now as well as whose online access are not available/not exist.
- Digitization of old/rare books
- Training – Human Resource

Thank You

<http://www.saha.ac.in/web/library-home>