CHAPTER-5

Digital Libraries in Delhi NCR
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DIGITAL LIBRARY IN DELHI NCR (LIBRARIES VISITED)

2. Indian Institute of Technology, New Delhi.
3. Indian National Science Academy, New Delhi.
4. All India Institute of Medical Science, New Delhi.

5.1 NATIONAL INSTITUTE OF SCIENCE COMMUNICATION AND INFORMATION RESOURCES (NISCAIR), NEW DELHI

(NISCAIR) the constituent laboratory of CSIR is the national center for supplying information in all fields of science and technology to any user in India. It was established in 1952 with the support of UNESCO. INSDOC has its headquarters at New Delhi and has a regional center at Bangalore, Calcutta and Madras. Its activities are giving under five categories.

- Services, product and publication.
- Project in competency area.
- Education and training.
- National information resource.
- International collaborations.

It exchanges publications with over 150 institutions in 44 countries in the world. NISCAIR’S competency areas include library automation library networks, computer networking, electronic libraries, CD-ROM periodical both Indian and foreign countries. NISCAIR has gained adequate expertise to design and establish cable or optical fibre LANs package has been used in the library. Its publications are (i) Indian science Abstracts (Sami monthly), (ii) Army Library and Information Studies (Quarterly).

UNESCO in its 5th general conference in 1950 held a meeting at Florence and accepted a proposal of Government of India to set up a National Scientific Documentation centre at Delhi. An agreement was signed between UNESCO and India for necessary assistance for the
The establishment of INSDOC (Indian National Scientific Documentation Centre) under the supervision of CSIR. The agreement included the following items:

**UNESCO world award and assist**

1. Fellowship and study grants for study abroad,
2. Supply of technical and other equipments,
3. Supply of scientific periodicals,
4. Maintain three foreign experts for 3 years. They will be from the field of Documentation, scientific translations and reprography.

With the result, INSDOC was established in 1952 and located in the building of National Physical Laboratory.

Govt. of India appointed a Advisory committee in 1951 who recommended the name of the scientific Documentation Centre as INSDOC. The first Director of INSDOC was Dr. K.S. Krishnan, a fellow of the Royal Society and Director of National Physical Laboratory.

**Objectives**

The objectives determined were:

1. To receive or retain all scientific periodicals which may be of use to the country.
2. To provide information of the Scientists and engineers regarding articles which may be of value to them by issuing monthly bulletin of abstracts i.e. Indian Science Abstract.
3. To answer specific queries and engineers from information available in INSDOC or other allied organizations,
4. To supply photocopies,
5. To provide translation service and establish a pool of translators.
6. To be national depository for reports of scientific work of national both published and non-published.

7. To be an information Channel between the scientists and the scientific material available throughout the world.

**Advisory Committee**

There is one advisory committee to administer the INSDOC (NOW NISCAIR). This advisory committee through formed as advisory committee but worked as executive committee as its majority of decisions have been implemented. It has representation of-

i. Ministry of Science and Technology,

ii. CSIR,

iii. Nominee of the Govt. of India among scientists and scientific institutions.

**This committee has few sub-committees for its help**

i. Technical Sub-Committee,

ii. Editorial Sub-Committee,

iii. Budget Sub-Committee,

**Scope**

Its scope is unlimited in the field of science and technology. But it serves within limitations to scientific documentation services to-

1. Asian Countries,

2. Research organizations of India,

3. Universities,

4. Industrial Concerns,

5. Government departments,
6. Individual scientists, technologists etc.

7. Doctors,

8. National Physical Laboratories,

9. Centre of CSIR.

**Status**

It has independent status. It is an autonomous body established under the Act of Parliament, Govt. of India. In 1963 it had its separate director and executive council.

**Services**

1. **Abstract Services:** It has separate unit of National Service library with an important and pinpointed abstracting services. It has published regularly (Indian Science Abstract).

2. **Information Services:** This sections has rendered specific service to provide information to scientists on demand. It’s works are-
   
   i. Compilation of NISCAIR publications.
   
   ii. Editing of NISCAIR publications.
   
   iii. Classification work,
   
   iv. Preparation of list of scientific journals including “Anmols of Library and Information Studies”.

3. **Translation Services:** NISCAIR provides translation service to the scientists of scientific papers from foreign languages into English.

   It has a panel of:

   i. Full time translators,
   
   ii. Part time translators,
   
   iii. On-line translators,
iv. Staff-translators for urgent demand.

4. Reprographic Services:
   i. Photocopies,
   ii. Enlargements on photographic papers,
   iii. Reflex copies of scientific papers,
   iv. Regnest copies of diagrams, charts, maps and thesis.

5. Printing work: It has separate printing and publication work for journals, abstracts, indexes, bulletins etc.

6. Document Delivery Service: NISCAIR has facilities to provide Document Delivery service on request. It supply documents published in any part of the world and serves the material available in NISCAIR centre, available in India and available in other countries the physical form or on-line.

7. Bibliographic Services: NISCAIR provides services to the scientists on material charges, compile list of references to recent papers on scientific subjects. It has prepared a large number of bibliographies.

8. CAS Services: NISCAIR provides Current Awareness Service to its scientists on-line and established their profiles on specific subjects.

9. SDI Services: NISCAIR started SDI (Selective Dissemination Information) services to its scientists in April 1976 on regular basis. From abstract and INSPEC, INDEST databases. It used software (LAN/SDI). More than 2100 scientists are served through SDI services regularly.

*Indian Science Abstract*

The publication of ISA is a result of resolution of the international conference on science abstracting held in Paris under the auspices of UNESCO. This conference recommended the establishment of “standing committee for abstracting” at national level. ISA was first published
in 1935 and regular. It is monthly periodical abstract. Nearly 12000 documents are noticed every year. It covers more than 15 scientific subjects.

**NISCAIR has other important publications**

i. Annals of library and information studies,

ii. Content list of soviet scientific periodicals,

iii. Russian scientific and technical publications,

iv. Directory of Indian Scientific periodicals, 1968,

v. Dictionary of scientific Research Institutions in India.

vi. Bibliography of scientific publications of South and South East Asia,

vii. Union catalogue of scientific serials.

viii. **National science library:** It is a nucleus of the library and established in 1964. It has more than 149000 volumes with cooperative acquisition. It has its special structure limited to scientific literature. Its functions are-

   a. It act as dormitory for data material.

   b. It seek cooperation from other libraries,

   c. It provides referral services,

ix. It acts as centre of reprographic material and provides scientific material in physical form or non-print form.
5.2 INDIAN INSTITUTE OF TECHNOLOGY (IIT), NEW DELHI

IIT was setup in 1961 by the ministry of scientific research and cultural affairs Government of India, by the institutions of Technological Act 1963. The library of the institute has grown as an excellent technological library. The library was shifted to new building in May 1988 the central Library of IIT had made an attempt to access the information requirements of industrial and business houses. The library have major collection of the document on technology and its provide internet service to the special users.

Library Announcements

- New wedding-out of reference books from the Central Library
- New Books available in Book Bank section-2011
- New wedded-out Old volumes of printed Journals before 1980 only for those who are having perpetual access of online Journals.
- Weed out of old copies of Damaged Books available in Central Library
- Journal Citation Reports (JCR Online)
- 18 Online Miscellaneous Journals
- Current Science & Technology Package (Taylor & Francis)
- ACS Archives
- American Economic Association Journals
- American Geophysical union Journals
- American Mathematical Society Journals
- American Meteorological Society journals and archives
• ASME Digital and archives
• Availability of Hindi on the Internet
• Biotechnology & World Textiles Abstract
• Cambridge University Press HSS and S & T package
• E-Books [26] from Textbooks Section, are now available online
• EBSCO Textile & Technology Complete
• I.C.E. and their Archives
• Imech E Publications current and Archives

**INFORMS Current Journals**

• IoP Science and their archival collection
• ISI Emerging Markets. [Tutorial]
• JSTOR. [Tutorial]
• Nature Journals (1980 to 1996)
• Oxford Journals on Mathematics, Life Science, Humanities and Social Science
• Project MUSE Journals
• RSC Journals Archive Tiles (1841-2004)
• Sage HSS & Management Journals and their Archives
• Scifinder Scholar
• SciFinder Scholar (2007 client version)
• Science (Journal Current and Archives)
**E-Resources@INDEST-AICTE CONSORTIUM**

- ABI/Inform Complete
- ACM Digital Library
- AIP/APS Journals
- ASCE Journals
- ASME Journals (+ A M R)
- ASTM Standards ASTM Journals
- ASTM Standards@INTRANET
- Capitaline
- EBSCO Databases
- Elsevier’s Science Direct
- Emerald Full-text
- Euromonitor (GMID)
- IEC Standards@IIT Delhi
- IEEE/IEE Library Online (IEL)
- INSIGHT
- Nature
- Optical Society of America (OSA)
- Pro Quest Science
- SCOPUS Database
• Springer Link
• COMPENDEX/INSPEC
• JCCC
• SciFinder Scholar access
• Math Sci Net
• Web of Science
• SIAM Journals and their Archives
• Taylor & Francis, Current Science & Technology Package +Chemistry Backfiles
• Wiley Journal Titles
• World Scientific Publication Mathematics
• World Textiles

List of Approved Vendors

Video Library Services

The central Library has a collection of more than 1,400 video CDs. The Video CDs are kept in the computer Application Division. Most of the CDs collection in the Library consists of video recording of series of class room lectures delivered by the IIT faculty to the undergraduate engineering study. The video recording are done by the professionals video recorders employed by the Educational Technology Services Centre, Although, the video CDs not lent out on inter-library loan, they are available on sale from the Educational Technology Services Centre.

Photocopy Services

The Photocopy facility in the library is extended through an external outfit, namely M/s Electra photo Studio, who is permitted to operate from with the IIT Delhi, Central Library premises. The rates for photocopying and other services are as follows:
Textbook and Book bank

The Library maintains separate collection of textbooks which can be consulted within the Library premises on deposition of Identity Card/Book Ticket at the Text-Book counter. Textbooks can be reserved for consultation or for overnight issue on working days. A database of books avail at Text-Book Section and Book Bank Collection is available for consultation at the Text Book Section.

The Book Bank is housed in the Text Book Section of the Central Library. The collection consists of prescribed text-books in paperback editions. The text-books to be included in this collection are recommended by the Heads of the Department/Centre to Institute. Students whose parent’s income does not exceed Rs. 2500.00 per month are given preference over others in grant of books from the Book Bank. Borrowers have to pay 10% of the cost of books as rental charges per semester. The scheduled caste and scheduled tribes students are given this facility free charge. The Book Bank scheme is basically for undergraduates only.

Inter Library Loan and Document procurement Services

The Central Library offers inter-library loan service to its users for the books and periodicals not available in the IIT Library by procuring them from other libraries within Delhi. Inter-library loan facilities are not extended to the Libraries outside Delhi. The IIT Delhi Library, in turn also lends its resources to libraries of other government and academic institutions within Delhi. However, photocopies of articles are sent to the libraries situated anywhere in the country demand.

Document procurement service can be made available from NISCAIR, DELNET and British Library Lending Division or other document delivery services if the user willing to bear the expenses involved.

The Library users are given assistance in locating misplaced books. The users may fill-in the location Books, available at the Circulation Counter and in the Service Division, for books/journals not found by them. The Library staff makes a thorough search for the books/journals reported in the Location Books. The users informed accordingly in due course of time.
Reference Services and General Assistance

Readers may approach the Reference and Membership Desk for information or any assistance in the use of the Library Collections and Services. Users contact Computer Applications Division for computerized services, CD ROM-based search services and web-based electronic journals. For specific information requirements, users may also reach in-charges of Readers Services/Serials Division or the Librarian.

The Library maintains a separate reference collection consisting of encyclopedias, dictionaries, handbooks, technical data, almanacs, atlases, bibliographies, etc. reference collection is organized in the following sub-categories:

The Catalogue for journals is located on the second floor. The classified part of the Serials Catalogue provides holding information for each journal title while alphabetical portion provides a reference to the class number which is used for shelving the bound volumes of journals. The Libraries currently provides the current journals subscribed in print along with the issue received in the library. Shortly, the Library would also provide the holding information about all the journals.

Bindery Services

The Central Library houses a bindery which looks after the maintenance of library documents. Binding outfits are contracted to perform most binding jobs for the Library, however, soft binding for journals, not preserved for long, is done in the Library bindery. The Library Bindery also does the limit work for the institute.

5.3 INDIAN NATIONAL SCIENCE ACADEMY (INSA), NEWDELHI

Formerly known National Institute of Science of India, this center is equipped with modern information technology tools for retrieval and dissemination of information. The library provides services to interested readers for consulting its resources and has access to Internet. Library has 850 S & T journals and 37000 bound periodical and have 27500 books Audio & Video cassettes, CD New system. It’s important services are:
i. Current Awareness Services (CAS);

ii. Bibliographic services;

iii. Citation Analysis;

iv. Public use of personal computer network station;

v. Science Information Notes (SIN);

vi. Reference services;

vii. Reprographic service;

viii. **Internet service etc Its publication are:** Monographs; Bulletins, Progress, of Science in India, Journal of History of Science; Indian Journal of Pure and applied mathematics, etc.

Library used computers for functions and activities such as acquisition, cataloguing, circulation system, serial control. Automation involves activities like computerization of housekeeping operations, information retrieval and integrated access to the collection of the library. There is integrated library system or library management system using software consisting of a set of integrated modules for acquisition, cataloguing, circulation, serial control and dissemination of information. The LMS is an essential tool for the libraries to manage collection, services and to produce reports and statistics, which aid in the decision making process for overall improvement of the library effectiveness.

The library has adopted information sharing through computer networking and document delivery to its users in the form of electronic media the setting up of information and network has become beneficial for the special libraries to share the catalogues and sharing information.

INSA is a digital library in which the advancement in information and communication technology and web technology, and the availability of free and open development of the library. The digital collection is more effectively integrated with the services of dissemination of information and provide better across facilities to its users.

**Application of ICT in INSA Library**
The following services are automated and are provided to the users of the library

1. Lending services includes the computerized process of issuing the documents, serving the documents and returning the documents. The members of the library are also issued a smart library membership card.

2. Current Awareness service is provided by the library. A list of new books are added to the library every month and displayed. The service has also been automated.

3. The library provides indenting services. The library has created a database of articles out of subscribed journals in the library for the benefit of users.

4. OPAC search: This service has already been provided in the library. More and more users are enjoying the services.

5. Reference and information services: In addition to the traditional information and reference sources available in the library. The library provides advisory ad guiding services to the users about the web sources and reference sources available on Internet.

6. E-mail/Internet search: This service is also provided to the users free of cost.

7. SDI Services: The Library has been provided SDI services to the scientists and users who are engaged in research.

8. Electronic Information Services: The Library has provided e-information services to the scientists e-information services to the scientists and other users from Internet online database and CD-ROM databases.

9. Electronic Document delivery: The Library has initiated the sending the documents, especially the journal articles by mail to other libraries consortium.

10. ICT Skill Development: The Library has skilled and trained staff. The library organizes in service training programs to enhance their skills and competencies.
5.4 ALL INDIA INSTITUTE OF MEDICAL SCIENCE (AIIMS), NEW DELHI

A premier institute of the country, it was established in 1956, as an autonomous body under the act of parliament, in New Delhi.

The library of this institute has more than 2 Lakhs books. It provides various services to its readers related to the medical science. The library has internet facilities and also provides various online services to their users.

B.B. Dikshit Library

The information needs of the faculty members, students and research workers are met by the library which came into existence in 1957 and grew parallel to the development of the institute. Originally accommodated on the ground floor of the pre-clinical block, this library was shifted to its present premises in 1973 and was named as Dr. B.B. Dikshit Library after the name of the founder director of the institute.

The Library building consists of two floors with a carpet area of 27000 square feet and seating capacity of 300 persons. Because of the unique contribution made by Dr. John F. Fulton, Rajkumari Amrit Kaur, Maj. Gen. Amir Chand and AIIMSONIANS of America, four different sections of the library have been named after them. For the benefit of the undergraduate medical students, a benevolent donation made by a philanthropist has made possible the setting of a Book Bank. Since August, 2003 the library remains open round the clock, seven days a week including Sundays and holidays except national holidays. Its present collection consists of 71844 books, 66825 bound journals, 5309 thesis and 17034 pamphlets. The library is currently subscribed to 957 journals (Print + online). The library has been using Bar Code Technology for issue & Return of Books and Electro Magnetic Security System for anti-theft of books. The Wi-Fi Internet Network Facility has been also providing by the library for accessing to e-journals/e-books in the library.
Services

The Library offers the following services to its patrons;

1. **Book Alert Service**
   This is a monthly listing of the new books, monographs and pamphlets added in the library.

2. **Periodical Alert Service**
   This is fortnightly listing of the new periodicals received in the library during the fortnight.

3. **Inter Library Loan Services**
   It is established with several local Libraries for the benefit of the users to procure documents which are not available in our Library.

4. **Reprographic Services**
   The library has three machines to meet the demands of the reader’s viz. two Modi Xerox 1025. And one Modi Xerox-5834 models.

5. **CD-ROM Printout Services**
   The computerized printout of demanded pages are available to the readers against payment basis.

6. **Bibliographies on Demand**
   The staff of the Library compiles bibliographic as and when demanded by the readers.

7. **Computerized Thesis Search**
   About 4477 thesis received so far in the library can be retrieved through computer search. Information about thesis giving author, department, guide’s name, co-guides and other bibliographical have been fed to the computer.

8. **Book Bank**
The Book Bank serves the MBBD, B.Sc. (Hons.) Human Biology students and Interns. The total membership of the Book Bank is 190. The Bank has 3000 books which are issued on long term basis to the students.

9. Microforms Section

The library is equipped with two micro-film readers and one micro-film/microfiche reader-cum printer. The Library has 1627 microfiches and 56 microfilms in its collections.

10. Audio-Visual Section

The Audio-visual section is equipped with four color TVs and four Video Cassettee Recorders. It has more than 312 video cassettes on bio-medical subjects. This section has 4 audio cassettes playback decks and 108 audio cassettes.

Facilities

The Library has two CD-ROM drives i.e. hitachi and Sony. It has different databases on CD-ROM i.e. MEDLINE, POPLINE, ONCODISC and LISA, Different encyclopedias and dictionaries have also been acquired on CD-ROM.

1. CD-NET Workstation: A CD-NET workstation became operational in the library in January 1993. Eight users at a time can search in the different databases loaded in CD-NET towers. The library is amongst the few pioneers in the country to install such a facility. Printing facility is also available.

2. ALPHA Computer System: The library has installed a ALPHA 433au Digital Workstation with 128 MB RAM, a line printer, laser printer and 16 terminals. The library has automated its housekeeping and technical activities by using LIBSYS software package. All the records from 1984 to 1997 are searchable through computer.

3. Multimedia: The library has acquired a multimedia set. Few multimedia titles have been also purchased.

4. E-Mail: The library is actively participating in DELNET. An E-mail modem has been provided by DELNET for communicating with libraries. Besides this library also has E-Mail connection provided by the institute total 18 nodes are available.
5. *Continuing Education:* In order to train professionals in applying latest techniques of information technologies in the Libraries, the Library organizes at national level training courses at regular intervals.