

23. CENTRAL LIBRARY

23.1 INTRODUCTION

Central Library of IIT Ropar plays a pivotal role in support of academic and research activities of the Institute with the main functions of acquiring, processing, preserving and dissemination of print and electronic resources. The objective of the library is to provide its user the required information resources such as text-books, reference books, handbooks, encyclopedias, dictionaries, Journals, magazines etc with appropriate delivery systems and services in order to support the institute to achieve excellence in teaching and learning, learning, research and community service. Library is also aiming to provide advanced level research support services.

23.2 COLLECTION DEVELOPMENT

Collection building is one of the important functions of the library, which supports academic and research activities of the students, faculty, staff and other users.

The Library is continuously developing collection by acquiring latest books, journals, reports and other reference and information resource materials in science, engineering, technology, humanities and social sciences during the year. The Library is holding an excellent print collection of over 12000 documents which includes various resources such as dictionaries, handbooks, encyclopedias, reports of research monographs, multi-volume reference works etc.. Apart from this, the library holds a growing collection of CDs/DVDs, electronic journals, annual reports, standards and pamphlets in areas of science, engineering, technology, humanities and social sciences. In the financial year 2014-15, the library added 1370 new books to its collection.

23.3 ELECTRONIC RESOURCES

The Central Library facilitates online access to thousands of electronic journals through direct subscription and participation in consortia, such as INDEST-AICTE and UGC-INFLIBNET consortium. The library also provides online access to citations and scientometric database such as Scopus and MathSciNet. The library provides access to the following publishers' Electronic Resources.

❖ Full-Text Electronic Journals and Books:

- ACLS Humanities E-Books
- Association for Computing Machinery (ACM) Digital Library (V.1 - current)
- American Chemical Society (ACS) Digital Archive and Current Journals
- American Institute of Physics (AIP) Digital Archive and Current Journals
- American Nuclear Society(ANS)Journals and Magazines (2011)
- American Physical Society (APS) Journals
- American Society of Mechanical Engineers (ASME) Digital Archive and Current Journals
- Cambridge University Press (CUP) Selected Journals
- IEEE/IET Electronic Library (IEL) Online (V.I - current)
- Institution of Mechanical Engineers (IMechE) Digital Archive
- Institute of Physics (IoP) Science Digital Archive and Selected Current Journals
- Journal of Biomedical Optics from International Society for Optics & Photonics (SPIE)
- JSTOR Collection
- Multi-Science Publishing: Low Frequency Noise, Vibration and Active Control
- Optical Society of America(OSA) Online (1995 - current)
- Oxford University Press (OUP) Mathematics and Physical Sciences Journals
- Proceedings of National Academic Sciences (PNAS)
- Project MUSE
- Royal Society Proceedings A: Mathematical, Physical and Engineering Sciences

- Royal Society of Chemistry (RSC) Digital Archive and Selected Current Journals
- SAE selected Journals
- ScienceDirect (1995 - current)
- Science Online (1997 - current)
- Society for Industrial and Applied Mathematics (SIAM) Digital Archive and Current

Journals

- Springer Lecture Notes in Physics
- Springer Online Journals (1997 - current)
- Thieme Selected Journals
- Wiley Selected Journals (1997 to 2012)
- World Scientific (Selected Mathematics Journals)

❖ Abstracting, Bibliographic, and Scientometric databases

- MathSciNet
- Scifinder
- Scopus

23.4 LIBRARY SERVICES

The main function of the library is to provide information services and seamless access to full-text digital and printed sources, bibliographic and scientometric databases in support of scholarly and information needs of students and research scholars. The library currently provides following services on regular basis:

a. Circulation and Consultation Service

The library circulation operations are automated using LIBSYS-7 software. During the academic year 2013-14, a total of 12033 documents were issued/consulted at circulation desk to all categories of users.

b. Reference Service

The library has a separate reference section meant for in-house reading with a seating capacity for 120 students. Reference queries are responded immediately by well qualified library professionals on one-to-one and e-mail basis.

c. Library OPAC (Online Public Access Catalogue)

The OPAC is one of the most widely used services of the library and is accessible 24X7 via library web page. The library facilitates following two types of OPAC services:

- Web-OPAC
The Web-OPAC, besides listing all the documents available in the library, allows on-line status of an individual's account, reservation of desired documents, and current status of a particular book. OPAC is searchable by author, title, publisher, subject and several other fields.
- Union OPAC
The Union-OPAC of library, in addition to its own database, also provides access to other library databases, such as that of other IITs, Research Centers, and WorldCat etc. It has been integrated with Google Web Technology which covers pages from Google books and offers "my cart" facility to selectors.

d. Institutional Digital Repository (IDR)

Library has developed Institutional Digital Repository (IDR) using DSpace open source software which preserves the research output of the institute composed of theses and dissertations, project

reports, research papers.

e. News Portal of IITs

The library has taken an initiative to bring all IIT related news (old and new IITs) at one place through the "IITs News Portal". It is an openly accessible portal where anyone can find IIT related news published in leading newspapers, periodicals and magazines etc.

f. E-Resources Centre

A separate facility to access electronic resources is provided for users. This sections contains latest computer systems and DVD/CD collection.

23.5 STAFF

The present status of the staff managing the library is as follows:

Sr. No.	Designation	Strength
1.	Deputy Librarian	1
2.	Assistant Library & Information Officer	1
3.	Sr. Library & Information Assistant	2
4.	Library Attendant	1

23.6 PUBLICATIONS

Book Chapter

1. T.S. Handa, and A.Mittal, "Implementing RFID for Enhanced Library Services" In: S.M.Kumar, ; R.K. Mahapatra, and K. Veeranjanyulu, Ed. Information Access in Digital Libraries: A Festschrift Volume in Honour of Dr S.M. Pathania, New India Publishing Agency; New Delhi, p. 197-205, 2014.

Conference Proceedings

1. H. Kaur, "Cloud computing and open discovery tools in academic libraries: An overview" In proceedings of National Seminar on Information Technology Tools and Techniques in Social Science Research, Guru Nanak Dev University, Amritsar in collaboration with in Defence Research and Development Organisation (DRDO), May 23-24, 2014, pp.395-407.
2. H. Kaur, "Relevance of Ranganathan's Five Laws in Digital Library" In proceedings of the Chandigarh Librarian's Association (CLA) on National Library Day, DAV College Sector-10, Chandigarh on August 12, 2014, pp.201-209.
3. H. Kaur, "Digital preservation of manuscripts: An Indian perspective with special reference to Punjab" In proceedings of IEEE 4th International Symposium on the Emerging Trends and Technologies in Libraries and Information Services (ETTLIS) at Jaypee Institute of Information Technology, Noida on 6-8 Jan., 2015. pp.271-274.
4. T.S. Handa, "Knowledge Management in Libraries: The process and cycle" in proc. of International Conference on Content to Connectivity- Paradigm Shift in Knowledge Innovation

Information Representation, Information Management Systems and Librarianship, organized by Tecnia Institute of Advanced Studies, Rohini, Delhi, pp. 127-131, April 11-12, 2014.

23.7 AWARDS

- Dr. Dinesh, K. S. has been awarded Commonwealth Professional Fellowship, 2014-15. He has worked in the University of East London from June 2014 to August 2014.
- Harpreet Kaur has been awarded best paper in the Seminar on "Relevance of Ranganathan's Five Laws in Digital Library" National Seminar on Relevance of Ranganathan's Philosophy in Digital Era, The Chandigarh Librarian's Association (CLA) on National Library Day, DAV College Sector-10, Chandigarh on August 12, 2014.

23.8 VISITS ABROAD

- Dr. Dinesh, K.S. has visited National Library of France on June 22, 2014; Amsterdam Public Library on June 29, 2014; Imperial College London on July 23, 2014; Oxford Bodleian Libraries, UK on August 13, 2014; Birmingham Public Library, UK on August 13, 2014 as part of Commonwealth Professional Fellowship - 2014.

23.9 OTHERS

T. S. Handa was a rapporteur in technical session IV of "XXX IATLIS National Conference" on the Theme of "Re-inventing LIS Education in the Internet Era" organized by Central University of Himachal Pradesh, Himachal Pradesh, November 27-30, 2014.