

CENTRAL LIBRARY



1 Introduction

Central Library of IIT Ropar is an invaluable source of information services which is playing a vital role in furthering the academic and research mission of the Institute by acquiring, processing, preserving and disseminating of information resources. The objective of the library is to provide its users the required information resources such as books, reports, multi-volume reference works, dictionaries, encyclopedias, handbooks, periodicals with the appropriate delivery systems and services in order to support the Institute to achieve excellence in teaching, learning, research and community service.

2 Collection Development

Collection Development is one of the important functions of the library which includes books, journals, reports, and other reference materials in science, engineering, technology, humanities and social sciences. The growing collection which binds the user with the library comprising of various resources such as reference works, dictionaries, handbooks, encyclopedias, journals, databases, CDs/DVDs etc. The library added 729 books and the total collection rose to 10700 in the financial year 2013-14. Library also having PhD theses and BTP (B. Tech. Project) reports in print and digital format.

3 Electronic Resources

The Central Library facilitates online access to thousands of e-journals through direct subscription and also participation in consortia, such as INDEST-AICTE, UGC-INFLIBNET. The library also provides online access to scientometric databases such as Scopus and MathSci.Net. The library provides access to the following Electronic Resources.

3.1 Full-Text Electronic Journals:

- ♦ American Chemical Society (ACS) journals
- ♦ American Institute of Physics (AIP) journals
- ♦ American Physical Society (APS) Journals
- ♦ American society of mechanical engineers (ASME) selected current Journals
- ♦ Association for Computer Machinery (ACM) Digital Library
- ♦ Cambridge University Press (CUP) selected Journals
- ♦ IEL Online (IEEE Xplore Digital Library)
- ♦ Institute of Physics (IoP) Journals
- ♦ JSTOR
- ♦ Optical Society of America (OSA) Journals
- ♦ Oxford University Press (OUP): Mathematics and Physical Sciences Journals
- ♦ Proceedings of National Academy of Sciences (PNAS)
- ♦ Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences Journals
- ♦ Project Muse Journals

- ♦ Royal Society of Chemistry Journals
- ♦ ScienceDirect (Elsevier) Journals
- ♦ Science Online
- ♦ Society of Automotive Engineers (SAE) Journals
- ♦ Society of Industrial & Applied Mathematics (SIAM) Journals
- ♦ International Society for Optics and Photonics (SPIE) Journals
- ♦ Springer Link
- ♦ Thieme Journals
- ♦ World Scientific selected Journals

3.2 Abstracting, Bibliographic, and Scientometric Databases

- ♦ Scopus
- ♦ MathSciNet
- ♦ SciFinder

4 LIBRARY SERVICES

The library currently provides following services on regular basis:

4.1 Circulation

The library circulation operations are automated using LIBSYS software. During the the year 2013-14, total of 25900 documents were issued/consulted by the Library users.

4.2 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 qualified library professionals on one-to-one and e-mail basis.

4.3 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:

4.3.1 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 ways.

4.3.2 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.

4.4 Institutional Digital Repository (IDR)

Library has also developed an Institutional Repository to archive intellectual output of the Institute. The repository preserves and makes available Theses, dissertations and B.Tech projects online.

4.5 News Portal of IITs

Library has developed news portal for displaying newspaper clippings of India's 16 IITs. The end user can have access to all the news clipping on a single page, can search and sort the news institute wise.

4.6 Digital Library

A separate facility of digital library is provided for users for online access of journals, electronic books and CD's/DVDs.