

# CENTRAL LIBRARY

## Introduction

Central Library of IIT Ropar play a pivotal role in support of various academic and research activities at the institute. The main functions of the library include acquiring, processing, preserving and dissemination of print and electronic information resources. The objective of the library is to fulfil the academic and research requirements of users by providing access to quality resources with appropriate delivery systems and services in order to support the institute to achieve excellence in teaching, learning, research and community services.

## Launch of RFID System

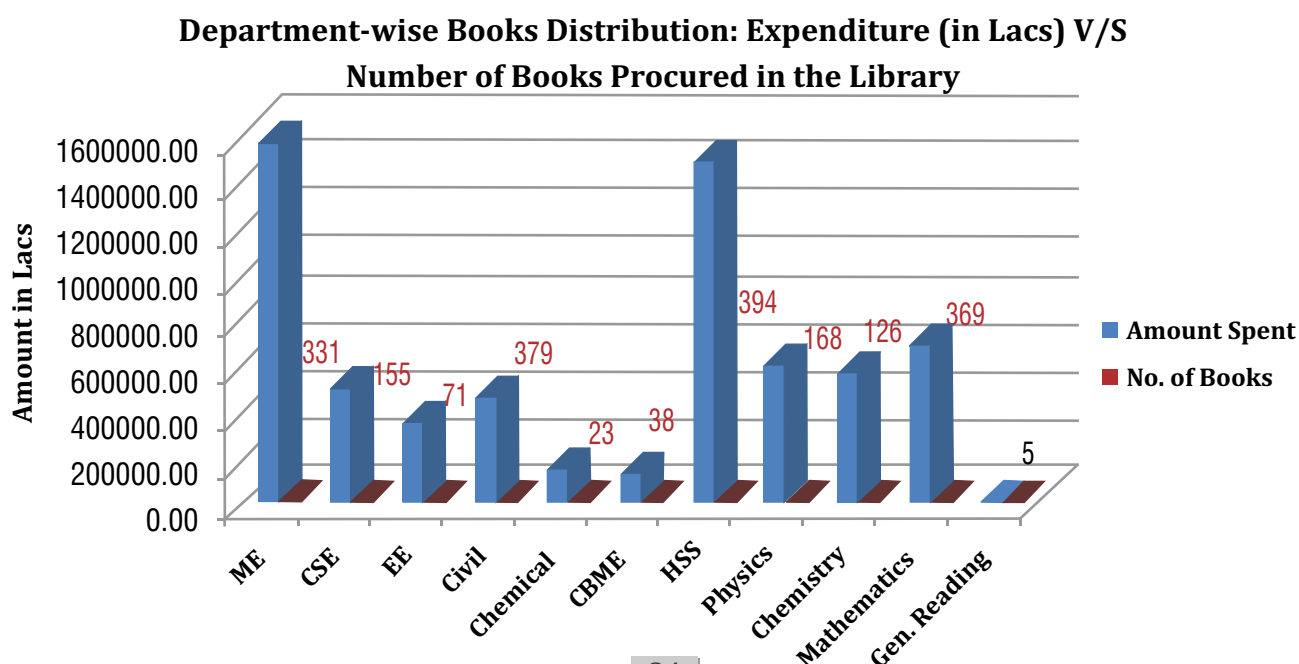
RFID system and Online OPAC on public domain has been successfully launched on July 01, 2016 by the Director, Prof. S. K. Das. Director inaugurated the RFID system and launched the system by lending a book through the self-service kiosk with smart card. On this occasion, the web OPAC (Online Catalogue of IIT Ropar) was also opened for public access.



## 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 developing its collection by acquiring latest books, journals, reports and other reference and information resources in science, engineering, technology, humanities and social sciences. The Library has excellent print collection of over 15000 documents which includes various resources such as dictionaries, handbooks, encyclopedias, reports of research monographs, multi-volume reference works etc. and books on general reading. Library collection also includes CDs/DVDs, e-journals, annual reports, standards etc. on the subject areas of science, engineering, technology, humanities and social sciences. In the financial year 2016-17, the library added 2059 new books to its collection the detail of which is shown in the below chart:



## Electronic and Print Resources

The Central Library facilitates online access to thousands of e-journals through direct subscription and participation in consortia, such as E-Shodh Sindu. The library also provides online access to bibliographic, abstracting and scientometric databases such as Scopus, Web of Science and MathSci.Net. The library subscribes to the following electronic and print periodicals.

### Full-Text Electronic Journals

- Acta Arthemata from the Institute of Mathematics
- Advances in Structural Engineering from Sage
- American Chemical Society (ACS) Digital Archive and Current Journals
- American Institute of Physics (AIP) Digital Archive and Current Journals
- American Mathematical Monthly
- American Mathematical Society selected Journals
- American Naturalist from the University of Chicago Press
- Annual Reviews
- American Physical Society (APS) Journals
- American Society of Civil Engineers (ASCE) Journals
- American Society of Mechanical Engineers (ASME) Digital Archive and Current Journals
- Association for Computing Machinery (ACM) Digital Library
- ASTM COMPASS
- Canadian Geotechnical Journal from NRC Research Press
- Canadian Journal of Mathematics
- Cambridge University Press (CUP) selected Journals
- Earthquake Spectra from Earth Quake Engineering Research Institute
- Economic & Political Weekly
- Emerald Journals
- IEEE/IEL Electronic Library (IEL) Online
- Institute of Mechanical Engineers (IMechE) Digital Archive
- Institute of Physics (IoP) Science Digital Archive and selected Current Journals
- International Concrete Engineering selected Journals
- Journal of Biomedical Optics from International Society for Optics & Photonics (SPIE)
- Journal of the European Mathematical Society
- JSTOR
- Nature selected Journals
- Optical Society of America (OSA) Online
- Oxford University Press (OUP) Journals
- Proceedings of National Academic Sciences (PNAS)
- Project MUSE
- Proquest-ABI/Inform Complete
- Publicationes Mathematicae Debrecen
- Revue Francaise de Geotechnique
- Royal Society Proceedings A: Mathematical, Physical and Engineering Sciences
- Royal Society of Chemistry (RSC) Digital Archive and Gold EA current Journals Package
- SAE MOBILUS (SAE Technical Papers & Journals)
- ScienceDirect Journals
- Science Online
- Springer Online Journals
- Taylor & Francis Journals
- Technopress selected journals
- Thieme selected Journals
- Walter de Gruyter selected Journals
- Wiley selected Journals
- World Scientific selected Mathematics Journals

### Economic and Political Databases

- EPW Research Foundation
- Prowess
- States of India

### Bibliographic, Abstracting and Scientometric databases

- MathSciNet
- Scifinder
- Scopus
- Web of Science

### Print Periodicals

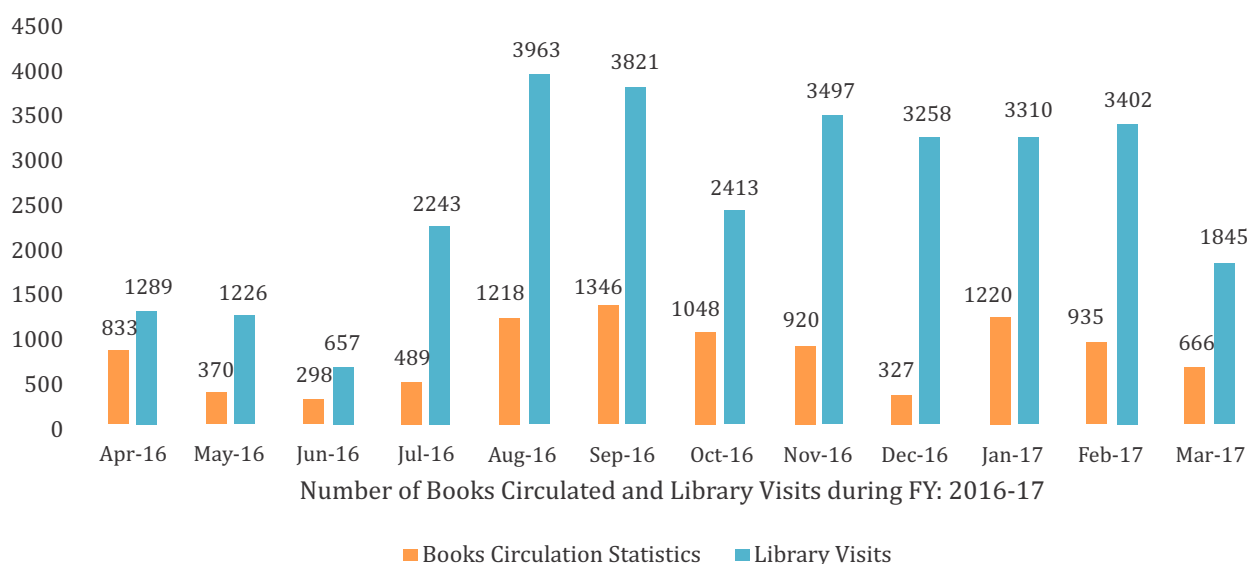
- AAAS/Science
- Current Science
- Data Quest
- Economist, The
- Electronic for You
- Frontline
- Modern Fiction Studies
- National Geographic
- PC Quest
- Reader Digest
- Time
- Week, The

## Library Services

The library currently provides following services on regular basis:

### Circulation and Consultation Service

The library circulation operations are automated using LIBSYS-7 software. During the academic year 2016-17, total of 9670 documents were issued/consultations handled at Kiosk to all categories of users. The Library has witnessed the total 30924 visits of users during this period. The graph below well depicts the circulation history of books and visits of users during financial year 2016-17:



### 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-mailing basis.

### **Library OPAC (Online Public Access Catalogue)**

The OPAC is one of the most widely used services of the library and it is accessible on web. The library OPAC, besides listing all the documents available in the library, allows on-line status of an individual's account, i.e. checkout status and circulation history, reservation of desired documents, and current status of a particular book. OPAC is searchable by author, title, publisher, and subject with the several other fields. Apart from above, the OPAC also enables users to browse electronic journals (title, publisher wise) subscribed by the Institute.

### **RFID System**

The library has installed Radio-frequency identification (RFID) system in the year 2016-17 to facilitate easy lending process and provides security for the library through EAS gates using bit features on RFID tags. The Self-service Kiosk operates 24/7 basis and made library lending easy and quicker. Library users are making use of this facility very well and 90% of library circulation is happening through self-servicing. In addition to self-service kiosk, library has RFID based staff station to do library transactions. Both self-service machine and staff station can be used for tagging books and smart cards. Library has issued Smart cards to library members to use self-servicing facility.

### **Library Entry Exit Portal (LEEP)**

Library Entry Exit has been made online. Now the users can use the Entry Exit Portal at the entrance of library to log there details.

### **OTHER FACILITIES**

During the financial year 2016-17 the library physical space has been revamped by creating quite 5 study rooms with the air conditioning. This space is attracting more number of users. Library has a multipurpose photocopier to provide printing/photocopy/scan facilities to the user community with the nominal charges.

### **STAFF**

The library has a team of talented officers and staff who perform their duties very well, and are always appreciated by our users for their ability, enthusiasm and honesty with which they serve them.

### **Staff Pattern**

The current library staff pattern is as follows:

Sl. No.	Designation	Strength
1	Deputy Librarian	1
2	Assistant Library Information Officer (on contract)	1
3	Senior Library Information Assistant	2
4	Library Attendant (on Contract)	1

## Staff Publications & Recognition

In addition to their regular duties, the library staff is also engaged in various academic activities like attending workshops, presenting papers in conferences and publishing articles and book chapters. Some of the publications and activities are listed below:

### Journal Publications

1. Kaur, H. and Atri, Y.K. (2016). Condition of Punjab Government School libraries especially in the Districts of Mohali and Rupnagar: An Overview. *Journal of Indian Library Association (JILA)*, 52(1-2), 23-30.
2. Kaur, H. and Atri, Y.K. (2017). Present Scenario of School Libraries in Punjab with Special Reference to Mohali and Rupnagar: An Overview. *International Journal of Engineering Technology, Management and Applied Sciences*, Ministry of MHRD, Govt. of India, 5(1), 96 - 101.
3. Singh, N.; Handa, T.S.; Kumar, D. & Singh G. (2016). Mapping of breast cancer research in India: a bibliometric analysis. *Current Science*, 110(7), 1178-1183.

### Paper presentation/ Conference proceedings

1. Kaur, H. & Malhotra, S. (2016, December 12-15). Managing Institutional Repositories in Open Access Environment in India: Benefits and Challenge. In Jain, P.K., Lamirel, J.-C. & Kretschmer, H. Editor. *Webometrics, Informetrics and Scientometrics & 17th COLLNET Meeting*, Paper presented at the proceedings of 12th International Conference on Webometrics, Informetrics and Scientometrics & 17th COLLNET Meeting, Nancy, France.
2. Kaur, A. and Kaur H. (2016, May 11). A Bibliometric Study on Research Trends in the journal of Indian journal of fibre and textile Research. In Jharotia, A.K., Vaibhav, B., Mittal R. Editor. *Library Information Science and Information Technology for Education*, Paper presented at the proceedings of National Conference on Library Information Science and Information Technology for Education NCITE- 2016, New Delhi (pp.34-40). New Delhi: Modern Rohini Education Society.
3. Kaur, H. (2016, October 21). Comparative study of library facilities in Government and Private Schools of Mohali and Rupnagar: An Overview. In Chand, S. Editor. *Role of Libraries in Social Empowerment*, Paper presented at the proceedings of National Conference on Role of Libraries in Social Empowerment in association with Library Professionals Association (LPA), New Delhi (pp. 253-263). New Delhi: Ahuja Publishing House.
4. Kaur, H. and Atri, Y.K. (2017, January 15). Present Scenario of School Libraries in Punjab with Special Reference to Mohali and Rupnagar: An Overview. In Kaur, A., Ahuja, S., Agarwal, K. Editor. *Engineering Technology, Science and Management Innovation*, Paper presented at the proceedings of 2nd International Conference on Engineering Technology, Science and Management Innovation (ICETSMI- 17), National Institute of Technical Teachers Training & Research (NITTTR), Ministry of MHRD, Govt. of India, Chandigarh (pp.96-101). Chandigarh: Academic Science.
5. Bhattacharya, A. (2016, October 21). Strengthening libraries through ICT: An Overview. In

Chand, S. Editor. Role of Libraries in Social Empowerment, Paper presented at the proceedings of National Conference on Role of Libraries in Social Empowerment in association with Library Professionals Association (LPA), New Delhi (pp. 209-212). New Delhi: Ahuja Publishing House.

6. Sohal, G.S., Handa, T.S. & Bhatia, J.S. (2016, November 11). ICT literacy skills and Internet use Pattern among library users: a case study of IIT Ropar. In Rao, P.V., Sharda, P. and Kaur, J. Editor. Library Management: Challenges and opportunities, Paper presented at the proceedings of 4th National Conference on Library Management: Challenges and opportunities. Chandigarh (pp.81-85). Chandigarh: Classic Printer.

### **Book Chapter**

1. Handa, T.S. (2016). Developing reading habits among library patrons using conventional methods and electronic media. In Kumar, R.; Singh, B. and Partap, B. (Ed.) Managing Libraries in Digital Age, pp. 56-64. New Delhi: DBH Publishers and Distributors.

### **Award and Honors**

1. Kaur, H. received "*Rashtriya Vidya Gaurav Puraskar*" in the category of 'Outstanding Achievements in the field of Education' from the Indian Solidarity Council, New Delhi and "National Mahila Rattan Gold Medal" from the International Institute of Education and Management, New Delhi. The award ceremony was held at Indian Society of International Law, New Delhi on July 25, 2016. The awards were presented by Dr. Bhishma Narain Singh, Former Governor and Ex. Central Minister in the presence of Shri. Joginder Singh, Former CBI Director; Mr. K. L. Ganju, Consul General, Republic of Union of the Comoros; Mr. O. P. Saxena, President, All India Lawyers Forum.