

**INDIAN INSTITUTE OF TECHNOLOGY BOMBAY
CENTRAL LIBRARY**

ANNUAL REPORT 2007-08

1. Introduction

Central Library is the knowledge hub of the Indian Institute of Technology Bombay. It reflects the institutes' commitment to providing the best possible library and information services to its world class community of faculty, students and staff. It is a major resource for engineering, sciences and technology information in this part of the world, and has an excellent collection of both printed and electronic material. It offers a range of services including reference and consultation, membership and circulation, document delivery, resource sharing, information alert service, book bank for needy students, user awareness programmes, and ICT-enabled web-based services. The library is at the heart of the institute's academic, research and outreach activities

The library during the year continued its mission of facilitating the creation of new knowledge through the acquisition, organisation and dissemination of library materials. The team of highly motivated, knowledgeable and skilled staff ably guided by the Library Committee and supported by the Management delivered quality services to the students, faculty, staff, alumni, industry, corporate houses, and educational institutions. The library earned Rs 29, 20,329/- during the year for extending its services to corporates, industry and several other organizations in the country.

2. Collection Development and Management

The collection of books, journals, theses, reports, standards, pamphlets and other reading material is the best and biggest asset of the library. It is used not only by our own students and faculty, but also by corporate / industrial houses, educational institutions and others who walk-in to use our library in large numbers.

<i>Collection</i>	<i>Added during 2007-08</i>	<i>Total as on 31st March 2008</i>
Books, theses, CDs, Videos	3881	2,18,328
TLL & BC (Book bank) collection	143	11,063
Bound volumes of journals	1732	1,08,255
Reports, pamphlets, standards	236	66,749
Photocopies, films	--	4410
Total	5992	4,08,805
Subscription to journals	--	1471

The library added 5992 items including 135 Hindi books during the year. A book exhibition was organized to facilitate students, faculty, staff and others to browse, select and / or recommend the latest

books in their subjects for addition to the library. All the newly acquired documents have been classified, catalogued and kept ready for use. A list of new additions of books and reports is issued every fortnightly and can be accessed on the library home page. An email alert is also sent to the requesting faculty member(s) about the arrival of publications requested by them. Special care was taken to neatly maintain the library stacks to facilitate users to locate the desired document quickly, and worn out labels were immediately replaced. The library also undertook binding of 892 volumes in-house and got 3400 volumes bound through vendors.

3. Digital Library

Central Library has taken several initiatives to provide Digital Library services to the users. It has its own homepage, provides web-based access to its collection of reading material, procures over 12,000 electronic journals and databases, supports on-line submission of theses and dissertations, and has set up an institutional repository of all publications brought by IIT Bombay community.

The library is a part of the institute-wide network and has adequate computing infrastructure to cater to the needs of the users. Two multimedia workstations were added to provide DVD viewing facility to the users. The WI-Fi facility in the reading area has been welcomed by the users as they are able to use their laptops inside the library without a cable connection to the Internet.

3.1 Library Homepage (<http://www.library.iitb.ac.in>)

Library Homepage provides a single window to all the resources and services of the Central Library. It allows to:

- Search/Browse the material in the library (Search Library Catalogue, OPAC)
- Check the materials borrowed by a user and their due date
- Know the recent arrivals
- Access E-Resources (books, journals, theses, databases and multimedia products)
- Submit dissertation / thesis (IIT Bombay students only)
- Download library membership form, Book suggestion form, library guide (Know Your Library)
- Locate library material (Collection organization)
- Ask the librarian, to know more.

Library homepage is one of the most popular sites and received over 21,00,000 hits during the year.

3.2 OPAC (On-line Public Access Catalogue)

The OPAC is one of the most heavily used databases of the library and is accessible 24x7 via library web page. Besides listing all the documents available in the library, it allows on-line reservation, circulation, fine collection, and indicates status of a particular book. OPAC is searchable by author, title, accession number, subject and several other fields.

3.3 E-Resources

The Central Library provides web-based access to over 12,000 full text journals and 12 databases 24 x 7 on institute-wide network as per the following details :

3.31 Full-text Resources

ABI Inform -	http://proquest.umi.com/pqweb?RQT=302&cf=1
ACM Digital Library -	http://portal.acm.org/portal.cfm
ACS Journals -	http://www.library.iitb.ac.in/dres/ACS.html pubs.acs.org/journals
ACS Legacy Archives (23 journals 1879-1995)	http://pubs.acs.org/archives/promo/index.html
AIAA Journals -	http://www.library.iitb.ac.in/dres/AIAA.html
AIP Journals -	http://www.library.iitb.ac.in/dres/AIP.html
AMS Journals -	http://www.ams.org/journals/
ASCE Journals -	http://www.pubs.asce.org/journals/jrns.html
ASCE Proceedings -	http://www.ascelibrary.org/ascecp
ASME Journals (+ AMR) -	http://www.asme.org/publications/journals
ASTM Journals -	http://journalsip.astm.org
ASTM Standards -	http://enterprise.astm.org
BioOne 1 (82 high impact bioscience journals and 1 book)	http://www.bioone.org
Blackwell Journals -	http://www.blackwell-synergy.com/action/showjournals
Cambridge University Press Journals -	http://journals.cambridge.org
Capitaline -	http://www.capitaline.com/user/framepage.asp?id=1
CRIS-INFAC CRISIL Ind. Information -	http://www.crisil.com
Duke Mathematical Journal (Volume 1 – 100)	projecteuclid.org
EBSCO Databases -	http://search.ebscohost.com/
Emerald Full text -	http://www.emeraldinsight.com/
Euromonitor GMID -	http://www.euromonitor.com/gmid
IEEE/IEE Electronic Library Online -	http://ieeexplore.ieee.org
INSIGHT -	http://www.insight.asiancerc.com/
JSTOR Journals Archive -	http://www.jstor.org
IOP Electronic Journals -	http://www.iop.org/EJ/subs/-view=journal
Journal of Geophysical Research (7 journals)	
Space Physics	http://www.agu.org/journals/ja
Solid Earth	http://www.agu.org/journals/jb
Oceans	http://www.agu.org/journals/jc
Atmospheres	http://www.agu.org/journals/jd
Planets	http://www.agu.org/journals/je
Earth Surface	http://www.agu.org/journals/jf
Biogeosciences	http://www.agu.org/journals/jg
Material Science and Engineering Collection (Trans Tech) -	http://www.library.iitb.ac.in/dres/ejn.html www.scientific.net
Nature Online -	http://www.nature.com/nature/index.html
Project MUSE -	http://muse.jhu.edu
RSC Journals + Archives -	http://www.rsc.org/publishing/journals
Science Direct -	http://www.sciencedirect.com/
Science Online (AAAS, USA) -	http://www.sciencemag.org
SIAM Journals Online -	http://epubs.siam.org/
SIAM's Online Journal Archive (LOCUS) -	http://locus.siam.org/
Springer verlag Link -	http://www.springlink.com/
Taylor & Francis Journals -	http://www.library.iitb.ac.in/index.php?option=com_content&task=view&id=139&Itemid=1
Wiley Journals -	http://www.library.iitb.ac.in/index.php?option=com_content&task=view&id=140&Itemid=1

3.32 Databases

COMPENDEX	-	http://www.engineeringvillage2.org
Inorganic Crystal Structure Database	-	http://icsdweb.fiz-karlsruhe.de/index.php
INSPEC	-	http://www.engineeringvillage2.org
J-Gate	-	http://j-gate.informindia.co.in
JCCC	-	http://jccc-indent.informindia.co.in/
MathSciNet	-	http://www.ams.org/mathscinet
PsycInfo	-	http://web.ebscohost.com/ehost/search
Scifinder Scholar	-	http://web.scifinder/scholar/index.html
SCOPUS	-	http://www.scopus.com
Web of Science	-	http://isiknowledge.com/

3.33 Multimedia (intranet, CD-net)

Chemical Abstracts – 12th & 13th Collective Index

Chemical Abstracts on CD (2003-07)

COMPENDEX (1991-2001)

Current Contents on Disc (1999-2001)

Dissertation Abstracts

Index to Scientific & Technical Proceedings (1990-2000)

Indian Patents

Indian Standards

INSPEC (1991 – 2001)

Power Diffraction

CDs received along with books are mirrored on CDH CD-MIRROR server and is accessible on Windows machines at <http://cdmirror.library.iitb.ac.in/>

3.34 Addition of New E-Resources

Central Library added the following resources during the year:

1. CMIE Databases	On Intranet
2. Oxford Subject Collections (2 subjects)	http://www.oxfordjournals.org/
Humanities & Social Sciences	
Mathematics & Physical Sciences	
3. Sage Subject Collections (2 subjects)	http://online.sagepub.com/
Sociology	
Urban studies & Planning	

3.4 Electronic Theses & Dissertations (<http://etd.library.iitb.ac.in>)

Central Library is probably the first in the country to support electronic submission of theses and dissertations by the postgraduate and doctoral students. It maintains a full-text database of over 4467 items submitted since 1999-2000 on Intranet. During the year, 672 M. Tech. dissertations and 163 Ph. D. theses were submitted on line. The library has also developed a database (providing bibliographic details and abstract) using open source software, GSDL of all the Masters dissertations and Ph. D.

theses submitted since 1999 and 1965, respectively. This database containing over 2500 records is accessible through the library homepage.

3.5 Institutional Archive

Central Library has installed an open source software, DSpace to set up an archive of all publications brought out by the faculty and the institute. The archive facilitates on line submission of the publications by their authors which are permissible within the copyright regulations. The archive, it is hoped will evolve in to a major database of all publications produced by the IIT Bombay community and will be accessible on the Internet through the library homepage.

4. Library Services

Central Library aims to provide wide and efficient access to the needed information in a service-rich environment to all its users. It offers a package of high quality, user focused services to support the research, teaching and learning endeavors of faculty, students and staff.

4.1 Reference, Consultation & Circulation

Reference service helps users to make full use of library resources and services. It provides necessary assistance to users in locating information or document of their choice. The Library issued 79,876 books and other documents to its members during the year. In addition to members, 1078 visitors including students, research scholars, engineers and faculty members from several academic and R&D institutions used the library. It is open from 0900 to 2300 hrs on all working days and from 1000 to 1700 hrs on holidays (except three national holidays) when it operates with skeletal staff. Library remains open till 0100 hrs on all days during examinations.

4.2 Membership

The membership of the library for different categories of users stands as mentioned below:

<i>Category of membership</i>	<i>Number</i>
Students and research scholars	5507
Faculty	434
Officers and other staff	1106
Retired faculty members	130
Professors Emeritus / Scientists	34
Alumni Members	388
Corporate Members	98
Educational Institute Members	56
Total	7753

The membership fee for corporates and educational institutes was revised during the year.

4.3 Sharing of Resource and Partnerships

The library maintains excellent relations with libraries of IITs, BARC, NITIE, CDAC, IISc, IIG, TIFR, TISS and UICT for exchange of books, journals, photocopies and videocassettes for the mutual benefit of the users. It loaned 45 books and borrowed 38 books to / from other libraries. It also supplied 544 pages of photocopies to other libraries and received 125 pages of photocopies for our own users.

4.4 Photocopying service

Photocopying service is one of important services offered by the library. It provided 5561 pages of photocopies to the faculty of the institute free of charge and 11812 pages to individuals and organizations on payment. About 42 organizations maintain Deposit Account with the library to obtain photocopies quickly. A private operator also offers photocopying services to users.

4.5 Book Bank (TLL and BC Collections)

The Book Bank comprising of Technology Lending Library and BC Collection helps students belonging to Scheduled Castes, Scheduled Tribes and economically weaker sections of the society. The bank mainly consists of the prescribed text books for undergraduate courses and loans books to these students for full semester. During the year, 643 students availed this facility and borrowed 2745 books from this collection.

4.6 Information Alert Services

The library offered the following current awareness services to alert users about the latest information of their interest:

List of Additions, new arrivals

Lest-you-miss

News items display

Useful articles Display

Faculty publications display

Display of Scholarship and fellowship information

Display of Forthcoming conferences, other national and international events, employment opportunities, and prospectus of foreign universities

5. Users Education, Conferences, Seminars

Users education is an important regular activity of the library to inform, alert, educate and train users about various resources and services of the library. In addition to orientations programs organized for new students, the library organized short duration training programs on “How to Use” SciFinder Scholar, Web of Science and JCCC databases for our faculty and students so that they are able to use these resources more effectively. For users desiring to learn more about any service, database or any resource, the library provides one-on-one training. This year, the library also started organizing

“Enhancing User Awareness” programmes mainly for new faculty and research scholars to familiarize them with various resources and services. The library also makes good use of various mailing lists, and news groups to interact and communicate with the user community, to inform them about the new activities and services, and to obtain their comments and suggestions. The new library brochure “Know Your Library” gives detailed description about activities and services of the library for benefit of our users as well as visitors.

In addition to the programmes for our users, the library regularly organizes workshops and conferences for librarians and information professionals to help them upgrade their knowledge and skills. During the year, the library organized a three-days National Workshop on LIS Education in Digital Era in June 2007 in collaboration with the Indian Association of Teachers of Library and Information Science (IATLIS). Over 40 library science teachers, librarians and information professionals from different parts of the country participated in the workshop. Resource Persons invited from different parts of the country gave lectures on number of important topics including ICT applications in Libraries and LIS Education, IPR, knowledge management, Digital Libraries and Web-based Information Services etc. Central Library also organized a half day ‘Seminar on IPRs in Digital Millennium’.

6. Staff News

Central Library has a team of highly talented and dedicated officers and staff who are committed to providing the best possible service to the users. It is their competence and willingness that makes the Central Library one of the best in the country. Besides performing their jobs in the library, they also undertake academic assignments to act as a faculty and research guide, deliver lectures, present papers and participate in national and international conferences and workshops. A number of officers and staff also participated in the training programs organized by the institute. A brief description of some of the important activities is given below:

1. Mr D. Jotwani, Institute Librarian was awarded the “Punjab National Librarian Award 2007” by SATKAL Trust for Advancement of Librarianship for his achievements and contributions to the profession. He was invited by the INFLIBNET Centre (an inter-university centre of UGC) to present a theme paper on “Best practices in a modern library and information centre: the case of Central Library, IIT Bombay” in the International CALIBER 2008, INFLIBNET – University of Allahabad, Allahabad. He was also invited to deliver following talks :
 - i. Best practices in Central Library, IIT Bombay. At Management Development Programme on Best Practices in Library & Information Services, NMIMS University, Mumbai, 8th September 2007
 - ii. Best practices in EResource Management. At Refresher Course for Colleges / University Librarians and Teachers in Library Science, University of Rajasthan, Jaipur, October 2007.
 - iii. Digital Library Initiatives at the Central Library, IIT Bombay. At Refresher Course for Colleges / University Librarians and Teachers in Library Science, University of Rajasthan, Jaipur, October 2007.
 - iv. Information literacy in knowledge society. At Refresher Course for Colleges / University Librarians and Teachers in Library Science, University of Rajasthan, Jaipur, October 2007.
 - v. ICT in libraries: current trends. At Refresher Course for Colleges/ University Librarians and

Teachers in Library Science, University of Rajasthan, Jaipur, October 2007.

2. Dr D. N. Phadke, Assistant Librarian (SG) delivered a lecture on “Information Literacy: role of librarians” at Bhartiya Jain Sanghata Mahavidyalaya, Wagholi, Pune, 14 December 2007. He is also recognised as a Research Guide for M. Phil and Ph. D. in Library and Information Science of YCM Open University, Nasik and Alagappa University, Karaikudi, Tamil Nadu.
3. Mr M N Jadhav, Assistant Librarian participated in 6th International CALIBER and presented a paper “Content Management System Software : a solution for dynamic and cost effective library portal : the case study of Central Library, IIT Bombay, University of Allahabad, Allahabad, 28 Feb – 1 March 2008. He also presented a paper “Implementation of DSpace at IIT Bombay” in the Symposium on Experiences with DSpace for Institutional and Organization Repositories, Gurgaon, 20-21 August 2007.
4. Ms Shobha Kulkarni, Assistant Librarian presented a paper “Knowledge Management: a backbone for libraries in rural development programme” at the National Workshop on Knowledge Management in Rural Development Spectrum, NIRD Hyderabad, 20-22 August 2007.
5. Mr. R. S. Tiwari and Mr V. G. Kapse, Library Staff, were awarded Certificate of Appreciation for their meritorious service by the Director on the Republic Day. Mr. R. Sarmalkar participated in the Inter IIT Sports Tournament.

7. Infrastructure

The library has the infrastructure enough to meet its current needs. However, it is not able to provide space for group study, interactive learning, digital knowledge centre and other services. Its stacks are full and there is very little space to accommodate new additions. The existing building is fairly old, has very little scope for expansion and will continue to present operational challenge to the library staff, students and faculty in their use of the library resources and services. The library needs a building and other infrastructure that meets the needs of the new Millennium.