

**Indian Institute of Technology Bombay
Central Library**

Annual Report 2005-06

Introduction

The Central Library continues to be an essential component of the institutes' outstanding research and education mission. The combination of carefully selected traditional and digital resources accessible via library website and supported by exceptionally responsive services, provides IITB community with a library that is worthy of this world class institution. The interest exhibited by the Library Committee, commitment of talented library staff and the support of our management made the library a most lively place on the campus providing a safe, comfortable and friendly environment that enables learning and advancement of knowledge, promotes discovery and facilitates scholarship.

Collection building and management

The range of subjects represented by the library collection, which stands at 3,96,384 volumes, reflects institutes' ever growing zest for newer areas of study and research. Our collection comprising of books, journals and non-book material in sciences, engineering, technology, humanities, social sciences and management considered one of the best in the country, is its greatest asset. The collection is heavily used not only by our own students and faculty but by corporate / industrial houses, educational institutions and others who walk-in to use our library in large numbers.

Collection	Added during 2005-06	Total as on 31st Mar 2006
Books, theses, CDs, Videos	2,988	2,10,861
TLL & Special Collection	185	10,447
Bound volumes of journals	1,980	1,04,350
Reports, pamphlets, standards	181	66,316
Photocopies, films	--	4,410
Total	5,334	3,96,384
Subscription to current journals	77	1391

The above figures also include 149 Hindi books added during the year. All the newly acquired documents have been classified, catalogued and kept ready for use. Special care was taken to neatly maintain the library stacks to facilitate users to locate the desired document quickly, worn out labels were immediately replaced. The library also undertook binding of 2061 volumes in-house and got 4200 volumes bound through vendors. The Catalogue of Current Periodicals 2005 was also brought out during the year and is available on the web site.

Digital Resources

The Central Library provides web-based access to over 10,000 full text journals and 10 important bibliographic databases 24 x 7 on the institute-wide network as per the following details :

Full text (web based)

ABI INFORM / PROQUEST SCIENCE	-	http://proquest.umi.com/login
ACM DIGITAL LIBRARY	-	http://portal.acm.org/dl.cfm
ACS (American Chemical Society)	-	http://www.library.iitb.ac.in/dres/ACS.html
AIP (American Institute Physics)	-	http://www.library.iitb.ac.in/dres/AIP.html
AMS (American mathematical Society)	-	http://ams.org/cgi-bin/click_access/inquiry.pl
ASCE Journals	-	http://www.pubs.asce.org/journals/jrns.html
ASCE Proceedings	-	http://www.ascelibrary.org/ascecp
ASME (American Society of Mechanical Engineers International)	-	http://www.asme.org/pubs/journals
Capitaline	-	http://www.plus.capitaline.com/user/homepage.asp
CRIS-INFAC CRISIL Ltd	-	http://www.crisilonline.com/index.jsp
EBSCO Databases	-	http://search.epnet.com/
Science-Direct	-	http://sciencedirect.com/
Emerald Group Pub	-	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/
IOP (Institute of Physics Publishing)	-	http://www.iop.org/EJ
JSTOR (mathematics and business modules)	-	http://www.jstor.org
NATURE	-	http://www.nature.com/nature
Project MUSE	-	http://muse.jhu.edu/
Royal Society of Chemistry	-	http://www.rsc.org/is/journals/j1.htm
SIAM (Society for Industrial and Applied Mathematics)	-	http://epubs.siam.org
Science-on-Line	-	http://www.sciencemag.org/
Springer verlag Link	-	http://www.springlink.com/
Taylor & Francis	-	http://www.library.iitb.ac.in/dres/T%20&%20F.html
Wiley's Collection	-	http://www.library.iitb.ac.in/dres/WILEY.html

Bibliographic databases (Web-based)

Compendex	-	http://www.engineeringvillage2.org
Indian Standards (intranet)	-	http://bis.library.iitb.ac.in/
INSPEC	-	http://www.engineeringvillage2.org
J-Gate	-	http://j-gate.informindia.co.in
JCCC (Journals Customized Contents for Consortia)	-	http://jccc-indent.informindia.co.in/
MathSciNet	-	http://www.ams.org/mathscinet
PsycInfo	-	http://gateway.ovid.com/autologin.html
Scifinder Scholar	-	http://www.cas.org/scifinder/scholar/index.html
SCOPUS	-	http://www.scopus.com/
Web of Science	-	http://isiknowledge.com/

Multimedia (intranet, CD-net)

Chemical Abstracts – 12th & 13th Collective Index
Chemical Abstracts on CD (2003-06)
COMPENDEX (1991-2001)
Current Contents on Disc (1999-2001)
Dissertation Abstracts
Index to Scientific & Technical Proceedings (1990-2000)
Indian Patents
INSPEC (1991-2001)
Powder Diffraction Files
Videocassettes 337

Addition of New E-Resources

The Central Library has added the following new databases / e-resources in 2005-06 :

1. JSTOR – subscription has been expanded to cover entire collection of over 500 journals
2. ASTM Standards/Journals **On line**
3. SIAM – LOCUS – back files of SIAM journals
4. Cell Press journals (9)
5. Web of Science – coverage expanded by 10 years
6. Currents and Trends (Elsevier Science's 24 Current Opinion and Trend Journals)
7. ICSD – Inorganic Crystal Structure Database On-line
8. Material Science & Engineering Journals (4) On-line
9. Springer Journals back-files (OJA)

Library Services

The library continued its efforts to improve services and facilities to support the research, teaching and learning endeavors of faculty, students and staff. It aims to provide easy access to high quality information and to increase the awareness and availability of services.

Library Web Site (<http://www.library.iitb.ac.in>)

The Library Web site is networked information space that presents the library's collection, digital assets, web sites and services to its users. It lists all the resources and creates a direct link to the native interface of each resource. It is one of the most popular sites having received 9,16,615 hits during the year. Hindi version of the web site has also been developed recently.

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 site. Besides listing all the documents available in the library, it allows on-line reservation, circulation, fine collection, and indicates status of a particular book etc. OPAC is searchable by author, title, accession number, subject and several other fields.

Reference, Consultation & Circulation

The main task of reference service is to connect users with right information. It provides necessary assistance to users in locating information or document of their choice. The Library issued 86,758 books and other documents to its members during the year. Borrowing facility was extended to international students. In addition to members, 2663 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 also remains open till 2300 hrs on holidays during examinations.

Membership

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

Category of membership	Number
Students and research scholars	5511
Faculty	418
Officers and other staff	878
Retired faculty members	122
Professors Emeritus / Scientists	35
Alumni Members	331
Corporate Members	115
Educational Institute Members	55
Total	7465

Sharing of Resource and Partnerships

The library continues to maintain excellent relations with a number of other libraries including IITs, BARC, NITIE, NCST, IISc, IIG, TIFR, TISS and UICT for exchange of books, journals, photocopies and videocassettes for the mutual benefit of their users. It loaned 95 books and borrowed 6 books to / from other libraries. It also supplied 662 pages of photocopies to other libraries and received 554 pages of photocopies for our own users.

Photocopying service

The journals collection of the library generates great demand for photocopying of articles for academic and research work of the users. Library supplied photocopies of 1,26,533 pages to its users as well as 40 institutions maintaining the deposit account with our library to obtain photocopies for their users. A contract was finalized to award Leave and License Agreement to a new vendor to offer photocopying services to users.

Book Bank (TLL and BC Collections)

The library maintains a book bank comprising of textbooks for the benefit of students belonging to Scheduled Castes, Scheduled Tribes and economically weaker sections of the society. These books are loaned out for full semester. During the year, 563 students availed this facility and borrowed 2999 books from this collection.

Information Alert Services

The library continued to provide the following current awareness services in order to alert users about the latest information of their interest:

List of Additions

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

Library also started displaying books written by the IIT Bombay faculty

Electronic Submission of Theses & Dissertations

The Central Library supports on-line submission of theses and dissertations by M. Tech. and Ph. D students. During the year, 762 submissions were accepted on-line and the database, which is hosted on etd server on Intranet, now contains over 3500 records. All Masters Dissertations from 1999 and Ph. D. theses from 2000 onwards are available full text in the database. The abstracts of these dissertations and theses have been converted to HTML format with bibliographic details, and are accessible through library website on the internet "etd Search".

Users Education, Conferences, Seminars

The library actively participated in the orientations programs organized for new students and made presentations about our facilities, resources and services to new undergraduate and postgraduate students.

The library organized a five-days **Workshop on ICT for Information Management** for librarians from engineering colleges and other institutions from the different parts of the country. The library also organized a technical session each for demonstration of PsycInfo, SCOPUS database for our students, research scholars and faculty.

Library also organized a half day 'Seminar on Security of Library Resources' in collaboration with 3M which was attended by 75 librarians from engineering colleges and other institutions.

Extensive use was made of various mailing lists to interact and communicate with the user community and to inform them about the new activities and services of library and to obtain their comments and suggestions. An updated and revised version of the library guide "Know Your Library" was also brought out during the year

Staff Activities

The library has a good team of officers and staff who are committed to their work. In order to sustain and enhance their motivation, and to upgrade their knowledge and skills, officers and professional staff were deputed to various training courses, seminars and conferences organized in different parts of the country during the year. A number of officers and staff also participated in the training programs organized by the institute. Some of the library officers also served as resource persons for library science courses conducted by different universities. The Director awarded Appreciation Certificate to two of the library staff on the Republic Day. One staff member participated in the Inter IIT Sports Tournament.

A book entitled "Geographical Information System in library and information services" by D N Phadke was published by Concept Publishing, New Delhi, 2006.

An article entitled "IIT Mumbai ya sanstheche granthalaya (Central Library of IIT Bombay) published in Dnyan Gangotri Vol.6 (1), June-Aug 2005.

TQM and its applications in library and information services by H S Waydande and S Waghchaoure published in Ist International Conference on Business Management and Economics, Yasar University, Turkey, 16-19 June 2005.

D Jotwani, Librarian was invited to deliver talks on 'e-resources' and 'current trends in information technology applications to libraries' by Kendriya Vidyalaya Sangathan, Mumbai to participants of Refresher Course for Schoolar Librarians in K V Sc hools, October 2005.

D Jotwani, Librarian was invited by the University of Bombay to deliver a talk on modernization of Central Library, IIT Bombay to participants of Refresher Course for College/University Librarians and Teacher in Library Science, December 2005.

Infrastructure, Housekeeping, and General Administration

The library acquired 10 new computers to replace old machines that have outlived their lives. Cabling of Library LAN was redone. A server rack with server sharer switch (16 ports) was acquired and installed to organize all the server machines in a compact manner. Three WLAN Access Points have been installed to provide wireless connectivity within the library building.

The library has also acquired a commercially available software - 'LibSuite' for carrying out its day-to-day functions, which are being presently done using software developed in house. The modification and customization of the new software is almost complete and the library will move its functioning and database to the new software shortly.

Library revised its procedure to procure Serial publications and finalized a new system offering higher rate of discount (up to 34%). Library also finalized a new rate contract for binding of books and journals for next 2 years. A new Leave and License Agreement was also entered with a photocopying vendor.

Library acquired 6 double-faced and 18 single-faced steel racks to accommodate newly added books and journals.

Library had undertaken sample stock verification in 1996 and 1999, and total verification in 2004. The books found missing during these exercises were written off during this year with the approval of the Director. A collection of 9220 old and unused foreign language books were also segregated and got written off and are in the process for disposal.

The Internship program to provide training opportunities to fresh graduates and post graduates in Library and Information Science in operation since 2002 was reviewed and is being continued for another 3 years at higher rate of stipend for a duration of 1 year each. This program has been well received and has also helped library to get additional manpower to meet increasing demand for services.

A new emergency lighting system with 30 points has been installed in the library to help staff and users during the power failures.

A close interaction and regular liaison with different Administrative Sections, Estate Office, Electrical Maintenance Division, Horticulture Department, Security, Public Health Office, PRO and others was maintained to ensure better house keeping, timely resolution of the problems, and providing good ambience in the library.

The library earned Rs 30,68,420/- through memberships, overdue charges, photocopying service, printing and downloading facilities and cost of lost books during the year.

The library building is fairly old and needs timely repairs and regular face lift to maintain its utility and conduciveness. A proposal to renovate entrance and extension of reading room has been resubmitted and will improve the ambience of the building when executed.

While every attempt is being made to maintain well the existing building, it is not able to meet the current and future space requirement of the library. It is fully occupied with available resources and soon there will be no space left to house the new additions. It is only appropriate that a plan commensurate with the tradition and status of the IIT Bombay is worked out for a new library building.