Indian Institute of Technology, Bombay
Central Library

Annual Report 2003-04

Introduction

The Central Library at the IIT Bombay is privileged to support the institute's march towards its vision – " to be the fountainhead of new ideas and innovators in Technology and Science." It strives to connect outstanding faculty and brilliant students to the knowledge and state of the art of their disciplines, and thereby strengthens the aspirations and expectations of the research and teaching work at IIT Bombay. The Central Library, one of the largest libraries in science, engineering and technology in the country, is truly a knowledge hub of IIT Bombay. It not only acquires, organizes and disseminates knowledge, it has put in place policies and procedures, systems and services, and created an ambience which facilitates assimilation and generation of new knowledge.

Collection building

The Library has developed an excellent collection of books, journals and non-book material in science, engineering, technology, humanities, social sciences and management which is its greatest asset. It maintains separate collections of Reference Books, Standards, Pamphlets, Bound volumes of journals, Technical Reports, Theses, Study Room Collection, Technology Lending Library Collection, BC Book Collection, Video Cassettes, Compact Discs and Microforms. The library is also the Depository Center for Indian patents. It spent Rs 4.90 crores during the year to update its collection with new sources of knowledge. The total collection of library as on 31st March 2004 stands as follows :

Collection	Added during 2003-04	Total as on 31St Mar 2004
Books, theses, CDs, Videos	3,305	2,04,050
TLL & Special Collection	94	9,783
Bound volumes of journals	2,208	1,00,437
Reports, pamphlets, standards	156	65,929
Photocopies, films	--	4,410
Total	5,763	3,84,609
Subscription to current journals	1,106	--

The above figure also includes 220 books in Hindi added during the year.

Digital Library

Infrastructure

The library has 8 servers, 55 PCs and adequate computing infrastructure to cater to the needs of library. All PCs and servers are connected to the campus-wide network. The Library has computerized all its operations using a software developed in-house. The online catalogue (OPAC "Mehman") of all books available in the library is accessible through the web. 15 PCs are exclusively earmarked for the users to access OPAC, CD-ROM and online databases and electronic journals.

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

The Web site of the Library acts as a single window providing information about all its services, products and resources. It has been designed to provide links to all electronic databases and full text journals. The Web site which is being regularly updated, now provides facility to download library guide, list of current journals, request for book purchase, and various forms for memberships.

e-Resources

The Central Library is one of the first few libraries in the country to obtain for its users, web-based access to bibliographic databases and full text journals.   With the establishment of INDEST Consortium, thanks to the support of MHRD, library users can now access over 5000 full text journals and 12 important bibliographic databases 24 hours a day, 7 days a week right in the comfort of their labs and offices except few bibliographic databases on CD-ROM which can be accessed on CD-Net within the premises of the library. Details of the digital sources available can be seen from the following table:

Electronic resources	Source
Full-text ABI/INFORM, ACM Digital Library, ASCE Journals, ASME Journals, Capitaline, CRIS-INFAC, EBSCO, Emerald Full text, Euromonitor GMID Service, IEL Online, Indian Standards, Nature, ProQuest (ASTP), Science Direct, Springer's Link	Through INDEST Consortium
Am Inst of Aeronautics & Astronautics (5), AIChE, AIP (16), IchemE, ImechE (5 pts), IOP (25), MIT (2), Mineralogical Soc of Am (2). OUP (8), RSC, Taylor & Francis (12), Wiley Polymer Science Collection	Subscribed to by Central Library
Bibliographic databases COMPENDEX and INSPEC on EI Village, MathSciNet, SciFinder Scholar, Web of Science, J-Gate and JCCC	Through INDEST consortium
Bibliographic databases on CD-Rom Dissertation Abstracts, 12th & 13th Collective Index to Chemical Abstracts, Index to Scientific & Technical Proceedings (1990-2000), Indian Standards, Powder Diffraction Files	Subscribed to by Central Library

The usage statistics furnished by INDEST Consortium in respect of 12 databases and e-journal publishers shows that IIT Bombay is one of the heaviest users of these sources.

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

The Central Library is maintaining a full-text database of all theses and dissertations submitted online by M.Tech. and Ph.D students. All Masters Dissertations from 1999 and Ph. D. Theses from 2000 onwards are available in the database which is hosted on etd Web server on Intranet. The database contains over 1660 records (1450 Masters and 210 Doctoral)**.**

Library Services

Reference and consultation

The Library is open for reference and consultation to all its members. It provides short range and long range reference service. Users are also assisted in locating information or document of their choice. In addition to members, 4076 visitors including students, research scholars, engineers and faculty members from several academic and R&D institutions used the library.   It functions from 0900 to 2300 hrs on all working days and from 1000 to 1700 hrs on Saturdays, Sundays and other holidays when it operates with skeletal staff. It is closed only on three national holidays in a year i.e. 26th January, 15th August and 2nd October. In order to help students preparing for their examinations, library makes arrangements to remain open till 2300 hrs even on holidays during that period.

Circulation of Books and Membership

The membership of the library increased from 5991 to 8347 for different categories of users as mentioned below:

Category of membership	Number
Students	5102
Research Scholars	1313
Faculty	420
Project staff	196
Scientific, Technical, Administrative Officers	132
Non-Teaching staff	602
Retired faculty members	106
Emeritus Professors/Scientists	33
Alumni Members	303
Corporate Members	105
Educational Institute Members	35
Total	**8347**

The Library issued 95,556 books and other documents to its members during the year. An amount of Rs. 18,09,500/- was earned from the corporate membership, educational membership and other circulation-related activities.

Sharing of Resource and Partnerships

The library maintains excellent relations with a number of other libraries including IITs, BARC, NITIE, NCST, IISc, IIG, TIFR, TISS and UDCT for exchange of books, journals, photocopies and videocassettes for the mutual benefit of their respective users. Besides, the library also supplies copies of articles from its collection to 35 organizations who maintain deposit account with us. The details of resource sharing transactions are given below :

Publications Borrowed for users in IIT Bombay	15
Publications lent out to other libraries	104
Photocopies of articles obtained for users in IIT Bombay:	69
Photocopies of articles supplied to other libraries	131

Photocopying service

The library provides self-operating Xeroxing facility to the faculty of the Institute. An external outfit offers the photocopying service to students, staff and outside users that is allowed to operate from within the premises of the Library.

Technological Lending Library (TLL)

The library maintains a textbook collection in the TLL Section for the benefit of students belonging to economically weaker sections of the society. These books are loaned out for full semester. During the year, 337 books from this collection were issued to 88 students.

Special Collection (BC) for SC/ST students

The library also maintains a selected collection of books for issue for a period of one semester to the students belonging to Scheduled castes and Scheduled tribes. During the year under report, 450 students availed the facility and 2010 books were issued for both the semesters.

Video Library

The Video viewing facility is available in the Reference Section. The Library has 237 videocassettes. The facility can be availed from 0900 to 1730 hrs on all working days.

Information alert services

In addition to the above services, the library continues to provide a number of current awareness services to alert users to the latest information of interest :

List of Additions : A weekly list of recent addition of books, pamphlets, reports, standards, annual reports and faculty publications added to the collection is sent to the Institute faculty by email and is displayed on the notice board.

Lest-you-miss : innovative service to highlight important pieces of information appearing in journals, newspapers, newsletters and other current sources.

News items display : Display of newspaper clippings on IITs and other S&T developments.

Useful articles : Display of list of articles of general interest on Science and Technology scanned from the current issues of journals received.

Display of list of **issues appearing as Special issues/as Conference Proceedings.**

Faculty publications display

Forthcoming conferences and other international events

Staff Activities

The year witnessed a change of guard in the Central Library. The post of Librarian which fell vacant in September 2003 was filled up and Mr Daulat Jotwani took over as the new Librarian on 1st March 2004.

In order to improve their knowledge and skills, staff were encouraged to participate in training programmes, conferences and seminars. 12 professional staff attended such programmes in the area of information technology, digital libraries and other subjects of their interest. Dr H S Waydande was awarded 3rd prize for his presentation entitled "User Interface Towards Digital Library : Practical approach of Central Library, IIT Bombay" at International Conference on Digital Libraries, New Delhi, 24-27 Feb. 2004.