INDIAN INSTITUTE OF TECHNOLOGY BOMBAY
CENTRAL LIBRARY

ANNUAL REPORT 2008-09

1. Introduction

Central Library is a true reflection of IIT Bombay's culture of excellence which is known world over. The library like all vibrant and productive organizations, strives to keep pace with a global, dynamic, and technology-enabled information environment to meet the expectations of its users.

Central Library during the year continued to march to its mission of facilitating the creation of new knowledge through the acquisition, organization and dissemination of library materials. It offered 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. It extended the help and support to establish a library at the IIT Gandhinagar. The library participated in the Golden Jubilee Celebrations of the institute and organized two books exhibitions and a National Workshop and 6th Annual Meet of INDEST-AICTE Consortium during the year. It earned Rs 48,16,582/- during the year for providing services to corporates, industry, educational institutions and others.

2. Collection Development and Management

Collection building is one of the important functions of the library that supports academic and research work of the students, faculty, staff and other users. Library collection comprising of books, journals, theses, reports, standards, pamphlets and other reading material in science, engineering, technology, humanities, social sciences and management is considered one of the best in the country and is its greatest asset. It spent over Rs 7.75 crores during the year to maintain and update its collection with new knowledge resources. The total collection of library as on 31st March 2009 stands as follows :

Collection	*Added during 2008-09*	*Total as on 31st March 2009*
Books, theses, CDs, Videos	4244	2,22,572
TLL & BC (Book bank) collection	143	11,206
Bound volumes of journals	1080	1,09,336
Reports, pamphlets, standards	203	66,951
Photocopies, films	--	4410
Total	5670	4,14,475
Subscription to journals	--	1442

All the newly acquired documents have been processed 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 undertook binding of 149 volumes in-house and got 2400 volumes bound through vendors. The library also procured and processed 629 books for IIT Gandhinagar.

3. Digital Library

Central Library has its own homepage, provides web-based access to its resources, procures over 12,000 electronic journals and databases, supports on-line submission of theses and dissertations, and has set up an institutional repository of publications brought out by the 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. The WI-FI facility in the reading area continues to attract users to bring in their laptops to have seamless access to print and electronic resources.

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, virtual reference service.

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)	htp://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
CMIE Databases	On Intranet
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
Oeans	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
Oxford Subject Collections (2 subjects)	http://www.oxfordjournals.org/
Humanities & Social Sciences	
Mathematics & Physical Sciences	
Project MUSE -	http://muse.jhu.edu
RSC Journals + Archives -	http://www.rsc.org/publishing/journals
Sage Subject Collections (2 subjects)	http://online.sagepub.com/
Sociology	
Urban studies & Planning	
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-indest.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. Journals Citation Reports (JCR) – shows impact factor of journals
2. Optics Infobase of Optical Society of America (14 journals)
3. INFORMS (12 journals package)
4. ICE (Institution of Civil Engineers, UK – Thomas Telford) 24 journals
5. Proceedings of the Royal Society (A)
6. Taylor & Francis (1200 journals)

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

Central Library supports electronic submission of theses and dissertations by the postgraduate and doctoral students. It maintains a full-text database of over 5000 items submitted since 1999-2000 on

Intranet. During the year, 512 M. Tech. dissertations and 198 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 (http://dspace.library.iitb.ac.in/jspui/)

Central Library has set up an archive of publications brought out by the institute. The archive already has over 1200 items and is being updated to cover more publications which are permissible within the copyright regulations. The archive is expected to evolve in to a database of all publications produced by the IIT Bombay community and is accessible on the Internet through the library homepage.

4. Library Services

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 75,638 books and other documents to its members during the year. In addition to members, 694 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. "Ask the Librarian" link provided from the library home page encourages users to avail the reference service virtually.

4.2 Membership

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

Category of membership	Number
Students and research scholars	5726
Faculty	463
Officers and other staff	1637
Retired faculty members	133
Professors Emeritus / Scientists	34
Alumni Members	416
Corporate Members	79
Educational Institute Members	53
Total	8541

4.3 Sharing of Resource and Partnerships

The library maintains excellent relations with libraries of IITs, BARC, NITIE, C-DAC, IISc, IIG, TIFR, TISS and UICT for exchange of books, journals, photocopies and videocassettes for the mutual benefit of the users. It loaned 84 books and borrowed 12 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 4301 pages of photocopies to the faculty of the institute free of charge and 47710 pages to other individuals and organizations on payment. About 42 organizations maintain Deposit Account with the library to obtain photocopies quickly.

4.5 Book Bank (TLL and BC Collections)

The library maintains a book bank to help 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 up to 7 books each to these students for full semester. During the year, 506 students availed this facility and borrowed 2341 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 orientation programmes organized

for new students, the library conducted short duration training programmes 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. The library also organized 10 half-a-day interactive sessions on "Enhancing User Awareness" for new faculty and research scholars to familiarize them with various resources and services. The library 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 brochure "Know Your Library" continues to be a popular medium to give detailed information about activities and services of the library.

Central Library organized INDEST-AICTE Workshop and 6th Annual Meet in January 2009 as a part of the Golden Jubilee Celebrations of the IIT Bombay. The three days national workshop was attended by over 100 library and information professionals, and a large number of representatives of publishers, vendors, and service providers from all over the country. The theme of this workshop was "Web 2.0 and library services in Science and Technology libraries". Awards were distributed to various member institutes for recording highest usage of e-resources during the workshop. IIT Bombay received highest usage awards from ACM, ASCE, ASME, SciFinder Scholar, and American Mathematical Society. A books exhibition was also organized along with the workshop so that the participants as well as IIT Bombay community could browse and select the latest publications for the personal collection or for their libraries.

6. Staff News

The accomplishments made by the library during the year would not be possible without talented and dedicated officers and staff who performed their duties exceptionally well, and deserve deepest appreciation for their intelligence, enthusiasm and honesty with which they have served the library. The description given below highlights the activities they have been involved in addition to their regular jobs :

1. Mr D. Jotwani, Institute Librarian was selected for Endeavour Executive Award 2009 for professional development by the Government of Australia. He was invited to serve as a member of the committee of University Grants Commission to review the 11th Plan Proposals of INLIBNET Centre (an inter-university centre of UGC), Ahmedabad. Mr Jotwani has been appointed as a Chairman of the Project Review and Steering Group (PRSG) by Ministry of Communication and Information Technology, New Delhi to review various digitization projects being implemented at IIIT Hyderabad, University of Delhi Library, C-DAC Noida, C-DAC Kolkata, and Vanasthali Vidyapeeth, Rajasthan under National Digital Library Project. He was also invited by the University of Rajasthan, Jaipur to address the participants of the Refresher Course for College / University Librarians and Teachers in Library Science, Jan 2009.

2. Dr D. N. Phadke, Assistant Librarian (SG) presented a paper "Geographical Information Systems : an introduction, application and sources of information in GIS" at a state level Symposium held in March 09 at Sawantwadi, Maharashtra. He delivered a lecture on "E-Resources in School Libraries" to School Librarians from KVS in August 2008 in Mumbai. Third edition of his book on library computerization and automation (Marathi) was also published during the year.

3. Dr H. S. Waydande, Assistant Librarian (SS) attended the National Conference on Digitization and Digital Preservation, DESIDOC, New Delhi, 11-12 December 2008 and presented a paper on "Digital Library for Defence Organization". He (co-author) also submitted following papers to various conferences :

   - Building of digital library for teacher education programme in India. In International Conference on Knowledge for All – role of libraries and information centres (ILA-TISS), Mumbai, 12-15 November 2008.
   - Digitization of archives : a radical movement to attain knowledge for all. In International Conference on Knowledge for All – role of libraries and information centres (ILA-TISS), Mumbai, 12-15 November 2008.
   - Information sharing and defence organization. In International Conference on Knowledge for All – role of libraries and information centres (ILA-TISS), Mumbai, 12-15 November 2008.
   - Management of change in libraries and information centres in ICT environment : a strategy towards knowledge for all. In International Symposium on Emerging Trends and Technologies for Libraries and Information Services, Noida, 18-20 December 2008.

4. Ms Shobha Kulkarni, Assistant Librarian (SS) delivered lectures on "Retrospective conversion", "Enhancing e-resource usage", and "Thesis archiving" to the participants of various refresher courses/seminars. Her paper on "Library Security Systems" was also published in Library Herald 46(2), 2008.

5. Mr Omprakash Bhendigiri, Assistant Librarian was invited by the INFLIBNET Centre, Ahmedabad to evaluate the beta version of the software, SOUL in September 2008.

6. Four Library Information Officers, Ms Rekha Oltikar, Mr N. C. Hugar, Mr G. P. Murshillin and Mr D. B. Kamble were deputed to help set up a library at the IIT Gandhinagar.

7. Mr. R. S. Tiwari and Mr S S Pawar, 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.