

Indian Institute of Technology Bombay Central Library

Annual Report 2010-11

1. Introduction

Central Library plays a vital role in furthering the academic and research mission of IIT Bombay and facilitates creation and dissemination of knowledge. The range of services offered by the library are comparable to the best libraries in the world. Beside holding an excellent print collection of over 427,000 volumes of books, journals, theses, reports, standards, pamphlets, it also provides access to over 12000 electronic books, journals and databases in sciences, engineering, technology, humanities, social sciences and management. The library continued to offer its services to professionals, educational institutes, industry and corporate houses in addition to 10,000 members from IIT Bombay and earned over Rs 37 lakhs for various services rendered. The library made a significant progress during the year. It revised its rules to accommodate users bringing their personal books in the library. The existing limit to borrow books was enhanced for faculty and students. On-line renewal of books was introduced for the first time. A workstation has been set up for users to check out books for themselves. Compact shelves have been installed in the basement to accommodate some of the old and unused books creating space for new books. An Architect has been appointed to undertake renovation and extension of the library building.

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. The total collection of library as on March 2011 stands as follows :

<i>Collection</i>	<i>Added during 2010-11</i>	<i>Total as on 31 March 2011</i>
Books, theses, CDs, Videos	2936	2,29,077
TLL & BC (Book bank) collection	32	11390
Bound volumes of journals	2573	1,14,893
Reports, pamphlets, standards	184	67308
Photocopies, films	--	4410
Total	5725	4,27,078
Subscription to journals	--	1330

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. A book exhibition was also organized during August 2010 to facilitate students, faculty and staff to browse and select latest publications in their subjects.

3. Digital Library

Central Library has its own homepage (<http://www.library.iitb.ac.in>), 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 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 renewal and reservation, circulation, fine collection, and indicates status of a particular book. OPAC is searchable by author, title, accession number, subject and several other fields.

3.2 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 :

3.21 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/
Annual Reviews	http://www.annualreviews.org/
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
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
ICE (24 journals)	http://www.icevirtuallibrary.com/content/journals
IEEE/IEE Electronic Library Online -	http://ieeexplore.ieee.org
INFORMS (12 journals package)	http://journals.informs.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 (27 journals) -	http://www.nature.com/nature/index.html
Optics Infobase, Optical Society of America (14 journals)	http://www.opticsinfobase.org
Oxford Subject Collections (2 subjects)	http://www.oxfordjournals.org/
Humanities & Social Sciences	
Mathematics & Physical Sciences	
Proceedings of the Royal Society (A)	http://rspa.royalsocietypublishing.org
Project MUSE -	http://muse.jhu.edu
Psycarticles -	http://csaweb106v.csa.com/ids70/quick_search.php?SID=2qh6a3sa5h775hqbsid1a0eip6
RSC Journals + Archives -	http://www.rsc.org/publishing/journals
Sage Subject Collections (3 subjects)	http://online.sagepub.com/
Psychology	
Sociology	
Urban studies & Planning	
Science Direct -	http://www.sciencedirect.com/
Science of Synthesis	http://www.science-of-synthesis.com/prod/user/index.html
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 (including	http://www.springlink.com/
Lecture Notes in Computer Science	
Lecture Notes in Control and Information Science	
Lecture Notes in Physics)	
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

3.22 Databases

Indian Standards	-	http://bis.library.iitb.ac.in
Indian Patents	-	On library intranet
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
Scifinder Scholar	-	http://web.scifinder/scholar/index.html
SCOPUS	-	http://www.scopus.com
Web of Science and Journals Citation Report	-	http://isiknowledge.com/

3.23 Multimedia (intranet, CD-net)

Chemical Abstracts – 12th & 13th Collective Index
Chemical Abstracts on CD (2003-)
Indian Patents
Indian Standards
Power Diffraction Files

3.24 Addition of New E-Resources : Central Library added the following e-resources during the year :

EDITLib
PVTECh Collection
Multi Science Journals Package

3.3 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, 703 M. Tech. dissertations and 187 Ph. D. theses were submitted on line.

3.4 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 1650 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 loaned 97,271 books and other documents to its members during the year. In addition to members, 1239 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). 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 Sharing of Resource and Photocopying service

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 25 and borrowed 6 books to / from other libraries. It provided 851 pages of photocopies to individuals and organizations on payment or on exchange. The library also received 33 pages of photocopies from other institution. 46 organizations maintain Deposit Account with the library to obtain photocopies quickly. The library also supplied 2657 pages of photocopies to the institute faculty free of charge, and 44,514 pages to other users / visitors on payment.

4.3 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, 727 students availed this facility and borrowed 3089 books from this collection.

4.4 Information Alert Services

The library continues to alert the users about the latest information of their interest by:

- 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 CMIE 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 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.

6. Staff

The library has a team of talented and dedicated officers and staff who perform their duties exceptionally well, and are always appreciated by our users for their intelligence, enthusiasm and honesty with which they serve them. In addition to their regular jobs, most of them are involved in various academic activities like presenting papers in seminars and conferences, delivering lectures in various training programmes, serving on various expert committees, guiding research etc. Some of the major contributions / achievements are listed below :

1. Mr D Jotwani, Institute Librarian was invited to deliver a lecture on “Change Management in LIS” during 8th Annual Meet and INDEST-AICTE Workshop held at IIT Madras, February 2010. He also delivered a lecture on “Web 2.0 technologies and LIS” in Seminar on E-Resource Management and North Zone User Convention of INDEST-AICTE Consortium, IIT Roorkee, 18-19 November, 2010. He delivered a talk on “Envisioning Library of the Future” in Symposium on Envisioning Library and Information Services, Anna University, Chennai, 17th March 2011. He also served as Chairman / member of the following :
 - Member, National Advisory Committee, INDEST-AICTE Consortium, New Delhi.
 - Chairman, Project Review and Steering Group, Digital Library Project, Ministry of Information and Communication Technology, New Delhi.
 - Member, Aerospace Resource Panel, DRDO, New Delhi.
 - Member Editorial Board, ISST Journal of Advances in Librarianship.
2. Dr. H. S. Waydande, Deputy Librarian has been nominated as member of the Senate of University of Pune. Ms S D Kulkarni, Assistant Librarian (SS) delivered lectures on Information Literacy Initiatives, Standards and Formats and MARC21.

7. Staff Publications

- 1 Phadke, D. N. 2011.Exploring partnerships for generation of resources in academic libraries: A prospective review In-Library Movement, Management, Marketing and Melange: Certain Perspectives, edited and compiled by Sushma Poudwal, pp 130-151, Mumbai: Top publications.
2. Phadke, D. N. 2010. Data mining aani data warehousing tantracha granthlayat upyog (Use of Datamining and data warehousing techniques in Library), Dnyangangotri 2010, issue 2, Sept – Oct. pp 3-17.
- 3 Naika, Manju and Waydande, H.S. 2011. Current Trends in Electronic Resource Collection Development. IN National Conference on Collection Development of Resources in Electronic Environment, (NICCDREE 2011) Conf Procds, Shubhay Prakashan, Mumbai, 2011, p 99-101.
- 4 Waydande, H.S., Waghchoure, S.S., Nikam, Pradip and Gokhale, S.B. 2011. Collection Development in E-Libraries, IN National Conference on Collection Development of Resources in Electronic Environment, (NCCDREE 2011) Conf Procds, Shubhay Prakashan, Mumbai, 2011, p 113-118.
5. Waydande, H.S and Sutar D B . 2011. Strategies and Challenges for Electronic Collection Development IN National Conference on Collection Development of Resources in Electronic Environment, (NCCDREE 2011) Conf Procds, Shubhay Prakashan, Mumbai, 2011, p 237-240.
6. Waydande, H.S. and Waghchoure S S. 2011. Designing Digital Library for College Education and Research Centers. IN Emerging Technologies and Changing Dimensions of Libraries and Information Service (International Conf Procds: ETTLIS 2010) Ed by S Katiria and others. KBD Publication, 2010. p 517-520.

7. Waydande, H.S and others. 2010. Role of Public Libraries in the Development of Society. International Library Movement, Vol 32(2), 2010, P 61-66.
8. Naika, Manju and Jotwani, D. 2010. Bibliometric study of web 2.0 literature. Sixth International Conference on Webometrics, Informetrics and Scientometrics (WIS), 19-22 October, 2010, Mysore.

7. Building

In order for the library to remain relevant and to attract large number of users, it has been planned to renovate the existing building, reorganize the resources and workflows and to create a variety of spaces and ambiance which our users will find extremely attractive and conducive for their work. The renovated library building will reflect current trends in ICT and the changing needs of library staff, students and faculty in their use of the library resources and services.