

# Indian Institute of Technology Bombay Central Library

## Annual Report 2009-10

### 1. Introduction

Central Library continued to be the hub of all research and academic activities of IIT Bombay and played significant role in facilitating creation and dissemination of knowledge during the year. 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 also extended support to establish a library at the IIT Gandhinagar and IIT Indore. The library earned over Rs 37 lakhs for various services rendered to professionals, educational institutes, industry and corporate houses.

### 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 2010 stands as follows :

<i>Collection</i>	<i>Added during 2009-10</i>	<i>Total as on 31 March 2010</i>
Books, theses, CDs, Videos	3580	2,26,161
TLL & BC (Book bank) collection	152	11358
Bound volumes of journals	2985	1,12,320
Reports, pamphlets, standards	174	67124
Photocopies, films	--	4410
Total	6891	4,21,373
Subscription to journals	--	1264

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 2009 to facilitate students, faculty and staff to browse and select latest publications in their subjects. In view of the space constraint, low usage and cost effectiveness, the library / Library Committee in consultation with the departments and centers decided to discontinue print version of journals.

### 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 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 -	<a href="http://proquest.umi.com/pqweb?RQT=302&amp;cf=1">http://proquest.umi.com/pqweb?RQT=302&amp;cf=1</a>
ACM Digital Library -	<a href="http://portal.acm.org/portal.cfm">http://portal.acm.org/portal.cfm</a>
ACS Journals -	<a href="http://www.library.iitb.ac.in/dres/ACS.html">http://www.library.iitb.ac.in/dres/ACS.html</a> <a href="http://pubs.acs.org/journals">pubs.acs.org/journals</a>
ACS Legacy Archives (23 journals 1879-1995)	<a href="http://pubs.acs.org/archives/promo/index.html">http://pubs.acs.org/archives/promo/index.html</a>
AIAA Journals -	<a href="http://www.library.iitb.ac.in/dres/AIAA.html">http://www.library.iitb.ac.in/dres/AIAA.html</a>
AIP Journals -	<a href="http://www.library.iitb.ac.in/dres/AIP.html">http://www.library.iitb.ac.in/dres/AIP.html</a>
AMS Journals -	<a href="http://www.ams.org/journals/">http://www.ams.org/journals/</a>
ASCE Journals -	<a href="http://www.pubs.asce.org/journals/jrns.html">http://www.pubs.asce.org/journals/jrns.html</a>
ASCE Proceedings -	<a href="http://www.ascelibrary.org/ascecp">http://www.ascelibrary.org/ascecp</a>
ASME Journals (+ AMR) -	<a href="http://www.asme.org/publications/journals">http://www.asme.org/publications/journals</a>
ASTM Journals -	<a href="http://journalsip.astm.org">http://journalsip.astm.org</a>
ASTM Standards -	<a href="http://enterprise.astm.org">http://enterprise.astm.org</a>
BioOne 1 (82 high impact bioscience journals and 1 book)	<a href="http://www.bioone.org">http://www.bioone.org</a>
Blackwell Journals -	<a href="http://www.blackwell-synergy.com/action/showjournals">http://www.blackwell-synergy.com/action/showjournals</a>
Cambridge University Press Journals -	<a href="http://journals.cambridge.org">http://journals.cambridge.org</a>
Capitaline -	<a href="http://www.capitaline.com/user/framepage.asp?id=1">http://www.capitaline.com/user/framepage.asp?id=1</a>
CMIE Databases	On Intranet
CRIS-INFAC CRISIL Ind. Information -	<a href="http://www.crisil.com">http://www.crisil.com</a>
Duke Mathematical Journal (Volume 1 – 100)	<a href="http://projecteuclid.org">projecteuclid.org</a>
EBSCO Databases -	<a href="http://search.ebscohost.com/">http://search.ebscohost.com/</a>
Emerald Full text -	<a href="http://www.emeraldinsight.com/">http://www.emeraldinsight.com/</a>
Euromonitor GMID -	<a href="http://www.euromonitor.com/gmid">http://www.euromonitor.com/gmid</a>
ICE (24 journals)	<a href="http://www.icevirtuallibrary.com/content/journals">http://www.icevirtuallibrary.com/content/journals</a>
IEEE/IEE Electronic Library Online -	<a href="http://ieeexplore.ieee.org">http://ieeexplore.ieee.org</a>
INFORMS (12 journals package)	<a href="http://journals.informs.org">http://journals.informs.org</a>

INSIGHT -	<a href="http://www.insight.asiancerc.com/">http://www.insight.asiancerc.com/</a>
JSTOR Journals Archive -	<a href="http://www.jstor.org">http://www.jstor.org</a>
IOP Electronic Journals -	<a href="http://www.iop.org/EJ/subs/-view=journal">http://www.iop.org/EJ/subs/-view=journal</a>
Journal of Geophysical Research (7 journals)	
Space Physics	<a href="http://www.agu.org/journals/ja">http://www.agu.org/journals/ja</a>
Solid Earth	<a href="http://www.agu.org/journals/jb">http://www.agu.org/journals/jb</a>
Oceans	<a href="http://www.agu.org/journals/jc">http://www.agu.org/journals/jc</a>
Atmospheres	<a href="http://www.agu.org/journals/jd">http://www.agu.org/journals/jd</a>
Planets	<a href="http://www.agu.org/journals/je">http://www.agu.org/journals/je</a>
Earth Surface	<a href="http://www.agu.org/journals/jf">http://www.agu.org/journals/jf</a>
Biogeosciences	<a href="http://www.agu.org/journals/jg">http://www.agu.org/journals/jg</a>
Material Science and Engineering Collection (Trans Tech) -	<a href="http://www.library.iitb.ac.in/dres/ejn.html">http://www.library.iitb.ac.in/dres/ejn.html</a> <a href="http://www.scientific.net">www.scientific.net</a>
Nature Online -	<a href="http://www.nature.com/nature/index.html">http://www.nature.com/nature/index.html</a>
Optics Infobase, Optical Society of America (14 journals)	<a href="http://www.opticsinfobase.org">http://www.opticsinfobase.org</a>
Oxford Subject Collections (2 subjects)	<a href="http://www.oxfordjournals.org/">http://www.oxfordjournals.org/</a>
Humanities & Social Sciences	
Mathematics & Physical Sciences	
Proceedings of the Royal Society (A)	<a href="http://rspa.royalsocietypublishing.org">http://rspa.royalsocietypublishing.org</a>
Project MUSE -	<a href="http://muse.jhu.edu">http://muse.jhu.edu</a>
RSC Journals + Archives -	<a href="http://www.rsc.org/publishing/journals">http://www.rsc.org/publishing/journals</a>
Sage Subject Collections (2 subjects)	<a href="http://online.sagepub.com/">http://online.sagepub.com/</a>
Sociology	
Urban studies & Planning	
Science Direct -	<a href="http://www.sciencedirect.com/">http://www.sciencedirect.com/</a>
Science Online (AAAS, USA) -	<a href="http://www.sciencemag.org">http://www.sciencemag.org</a>
SIAM Journals Online -	<a href="http://epubs.siam.org/">http://epubs.siam.org/</a>
SIAM's Online Journal Archive (LOCUS) -	<a href="http://locus.siam.org/">http://locus.siam.org/</a>
Springer verlag Link -	<a href="http://www.springlink.com/">http://www.springlink.com/</a>
Taylor & Francis Journals -	<a href="http://www.library.iitb.ac.in/index.php?option=com_content&amp;task=view&amp;id=139&amp;Itemid=1">http://www.library.iitb.ac.in/index.php?option=com_content&amp;task=view&amp;id=139&amp;Itemid=1</a>
Wiley Journals -	<a href="http://www.library.iitb.ac.in/index.php?option=com_content&amp;task=view&amp;id=140&amp;Itemid=1">http://www.library.iitb.ac.in/index.php?option=com_content&amp;task=view&amp;id=140&amp;Itemid=1</a>

### 3.22 Databases

COMPENDEX	-	<a href="http://www.engineeringvillage2.org">http://www.engineeringvillage2.org</a>
Indian Standards	-	<a href="http://bis.library.iitb.ac.in">http://bis.library.iitb.ac.in</a>
Indian Patents	-	On library intranet
Inorganic Crystal Structure Database	-	<a href="http://icsdweb.fiz-karlsruhe.de/index.php">http://icsdweb.fiz-karlsruhe.de/index.php</a>
INSPEC	-	<a href="http://www.engineeringvillage2.org">http://www.engineeringvillage2.org</a>
J-Gate	-	<a href="http://j-gate.informindia.co.in">http://j-gate.informindia.co.in</a>
JCCC	-	<a href="http://jccc-indent.informindia.co.in/">http://jccc-indent.informindia.co.in/</a>
MathSciNet	-	<a href="http://www.ams.org/mathscinet">http://www.ams.org/mathscinet</a>
PsycInfo	-	<a href="http://web.ebscohost.com/ehost/search">http://web.ebscohost.com/ehost/search</a>
Scifinder Scholar	-	<a href="http://web.scifinder/scholar/index.html">http://web.scifinder/scholar/index.html</a>
SCOPUS	-	<a href="http://www.scopus.com">http://www.scopus.com</a>
Web of Science and Journals Citation Report	-	<a href="http://isiknowledge.com/">http://isiknowledge.com/</a>

### 3.23 Multimedia (intranet, CD-net)

Chemical Abstracts – 12<sup>th</sup> & 13<sup>th</sup> 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 :

- Nature journals (27)
- Annual Reviews
- Science of Synthesis
- Lecture Notes in Computer Science
- Lecture Notes in Control and Information Science
- Lecture Notes in Physics
- Sage's Subject Collection – Psychology
- Psycarticles

### **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, 377 M. Tech. dissertations and 159 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.

### **3.4 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 73,114 books and other documents to its members during the year. In addition to members, 695 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. The lending of books was started on all holidays and lending hours were extended by 2 hours (i.e. up to 2000 hrs) on all weekdays. “Ask the Librarian” link provided from the library home page encourages users to avail the reference service virtually.

## **4.2 Membership**

The library currently serves about 8500 members including students, faculty, staff, retired faculty and officers, IIT Bombay Alumni, Corporate houses, and educational institutes.

## **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 85 and borrowed 10 books to / from other libraries.

## **4.4 Photocopying service**

Photocopying service is one of important services offered by the library. It provided 4918 pages of photocopies to the faculty of the institute free of charge and 45735 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, 653 students availed this facility and borrowed 3045 books from this collection.

## **4.6 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 visited Library and Information Services of the major Universities in Australia as a part of his Endeavour Executive Award for professional development during May-June 2009. He was invited to deliver a lecture on “Library Services in Web 2.0 Environment” during 7<sup>th</sup> Annual Meet and INDEST Workshop held at IIT Kharagpur, January 2010. He was also invited by the INFLIBNET Centre, Ahmadabad to present a theme paper on “Re-engineering of Library Acquisitions” during PLANNER 2010 held at Tezpur University (Assam), February 2010. Mr Jotwani delivered a key note address at the National Workshop on Digital Content Management, Gujarat University, Ahmadabad, March 2010. 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, Programme Committee, International Conference on Digital Libraries (organized by TERI), Feb 2010.
  - Member, National Advisory Committee, 2<sup>nd</sup> International Symposium on Emerging Trends and Technologies in Libraries and Information Services, 3-5 June 2010.
  - Member, Aerospace Resource Panel, DRDO, New Delhi.
  - Member Editorial Board, ISST Journal of Advances in Librarianship.
2. Dr. D.N. Phadke, Assistant Librarian (SG) published a book, entitled “Granthalaya sanganakikarn ani adhunikikarn” 4<sup>th</sup> edition (Library Computerization and Automation) in Marathi, published by Universal Prakashan, Pune 2010. He also published a paper

“Library 2.0 Tantragyanacha Granthalayat Udyog”( Marathi), Gnyan Gangotri Vol.10, Issue 1, June – July 2009, p.10-15. Dr Phadke delivered lecture on “Use of web.2.0 in Library” during UGC seminar on “Current Trends and issues in Librarianship held at K.K. Wagh Arts, Science and Commerce College, Piplegaon (Baswant) on 4<sup>th</sup> Feb. 2010. He acted as a resource person in the workshop on “Analysis and Implementation of Library and Information Science Revised Syllabus (sponsored by B C U D, Uni. Of Pune) held at HPT Arts and Science College, Nasik, 5 - 6 Feb. 2010.

3. Dr. H. S. Waydande, Assistant Librarian (SS) participated as a Resource Person in the following
  - “Role of Library in Quality Education” One Day workshop on Utilization of Libraries at VIIT Pune held on 18th April 2009.
  - “Networking and Resource Sharing” National Symposium on Librarianship in 21st Century: Challenges and Prospects at Thakur College of Engineering and Technology, held on 8 – 9 April, 2009 .

Dr Waydande also participated in the following meetings / conferences :

- “ICT Literacy for Technology Access: Best Practices for Putting Knowledge Work in Librarianship” National Conference on putting Knowledge to Work: Best practices in Librarianship, at BOSLA C-DAC New Mumbai held on 1st - 2nd May 2009.
  - Reservation Policy of Government of India for SC/ST/OBC organized by Indian Institute of Public Administration, Bangalore held from 4th – th Feb. 2010.
  - International Conference on Digital Libraries (ICDL 2010) held at TERI New Delhi from 23 – 26 February, 2010. I was Member of International Program Committee and Main Rapporteur for ICDL 2010.
4. Ms S D Kulkarni, Assistant Librarian (SS) was invited to deliver a lecture to M.L.I.Sc. Students on “Library Resource Management & Retrospective Conversion at University of Mumbai in Dec. 2009. She also acted as an examiner for B.Lib Sc/M Lib Sc Courses in SNDT Women’s University, Mumbai.
  5. Mr M N Jadhav, Assistant Librarian (SS), Mr Om Prakash Bhendigiri, Assistant Librarian, Mr D B Kamble, Library Information Officer, and Mr P C Gaikwad, Library Attendant (SG), received Certificate of Appreciation and a Reward for Exemplary Library Service during Institutes Golden Jubilee Celebrations. Mr R J Tiwari and Mr Rajesh S Sarmalkar, Library Staff were also awarded certificate of appreciation for their meritorious service on the Republic Day.
  6. Manju Naika, Senior Library Information Assistant published the following papers :
    - Planning of Library Retro-conversion, SRELS Journal of Information Management, SRELS, Bangalore September 2009.
    - Development of Classical Tamil Digital Library: CIIL Experience in “Digitizing the Legacy of Indian Languages”/Edited Salonee Priay, Series: knowledge Management, 2009.

## **7. Building**

The library building is old, its stacks are full and have no space to accommodate new additions. It also has no space for group study, interactive learning, digital knowledge centre and other services. The library building needs to reflect current trends in ICT and the changing needs of library staff, students and faculty in their use of the library resources and services. In order for the library to remain relevant and to attract large number of users, it needs to create a variety of spaces and an ambiance which all our users will find extremely attractive and conducive for their work. A Task Force has been constituted to work out a plan for renovation of library building.

## **8. Support to IIT Gandhinagar and IIT Indore**

Central Library extended all support and help to set up libraries at IIT Gandhinagar and IIT Indore. It procured, processed and supplied books, deputed staff, delivered photocopies of articles and lent out several books on inter-library loan. The library also helped in selecting and training of the staff.