Academic Report (2021-22)

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Library

In an academic or research institute a library plays an important role in the dissemination of knowledge. In fact, the **a**mbience of the library reflects the quality of the education/research imparted by the Institute. The Central Library plays a vital role in furthering the academic and research mission of HRI and facilitates creation and dissemination of knowledge. The range of services offered by the library are comparable to the best libraries in the country. HRI library has recognized the importance of the academic vibrations required in the library and has been growing in this direction, right from its very inception. HRI's library serves as a knowledge hub containing resources in print and electronic form.

Glimpse of the Library:

Collection Development and Management:

Building a collection of reading materials is one of the important functions of the library that supports academic and research work of the students, faculty, staff and other users. Our Library collection comprises of all types of materials related to the Mathematics and Physics and is considered one of the best in the country and is its greatest asset. The total collection of library as on 31st March 2022 stands as follows:

Resources	Details
Total Collection: Books (Print)	**62012**
No. of Books	21831
No. of Bound Volumes	38292
Gratis	1889
Total Collection: Journals	**144**
International Journals :	**119**
Online	114
Print	05
National Journals :	**12**
Print	12
DAE-Elsevier Consortium Journals (online):	**12**
E-Books:	**2270**
	(Lecture Notes in Mathematics and Archives)

Subscribed E-Resources, Databases:		
MathScienet	Database of Reviews, Abstracts and Bibliographic Information	American Mathematical Society (AMS)
Project Euclid Journals	31 Journals Package	Duke University Press
JSTOR	102 Journals Package	Ithaka Publication
PROLA	Physical Review Journals Archive	American Physical Society
Life Time Databases/Archives:		
DMJ 100 Archive	Duke Mathematics Journal Package Back volumes-Vol.1 (1935) to Vol.100 (1999)	Duke University Press
AIP Archive	8 Journals Package	American Institute of Physics
IoP Journals Archive	56 Journals Package	Institute of Physics
Springer Journal Archive	123 Journals Package	Springer

Library Hours:

The library works on all days of the year except a few holidays of National and Social importance.

Monday to Saturday	: 8.00 AM to 2.00 AM (Midnight)
Sunday & Gazetted holidays	: 8.00 AM to 8.00 PM

The Institute's library is one of the best equipped libraries in India, it aims to put the motto **"Books are for use"** into practice. The Library houses Text Books, Reference Books, Print Journals, Technical Magazines, General Magazines, E-Resources & Digital Collections, CDs & DVDs, Theses, Bound Volumes of Journals, Dailies, Faculty & Institute Publications etc., added to this.

Other Resources and Facilities:

Theses	125
CD's/DVD's	101
Newspapers	07
Seating Capacity	43
Carpet Area	550 Sq. Mts
Computers for Users/OPAC	4 No's
Library Management Software	Koha 19.11 Version with RFID Technology

Newly added materials during April 2021 to March 2022:

Books	135
Gratis-Books	31
E-books	13

Highlights:

Services / Facilities:	**Best Practices:** A "Best Practice" in simple terms is known as the practice, which paves the way for enhancing the existing functions & helps in effective implementation or use of the process.
Reader's Assistance	Library Website/Web OPAC
Web Enabled Library Catalogue Services	Self-Issue/Return System
Circulation Services (Issue/Return)	RFID enabled Security Gate system
Reference	Off-Campus Services through E-mail: Scholarship and other fellowship information
Referral	Orientation for newly joined library members
Reprographic	Display of Faculty/PDF/Students Publications
New Arrivals service	Display of Institute Publications
Newspaper Clippings	Library Advisory Committee
Book Exhibition	Stock Verification
Theses Consultation Facilities	Book tracing service
Inter Library Loan	18 Hours uninterrupted Services

Library Advisory Committee:

Library Advisory Committee works towards continual improvement of the library activities, so that the library and its facilities achieve a fair degree of acceptability and appreciation amongst the users. This Committee, is chaired by a **Professor of the Institute as the Chairman** & other faculty representatives as members. Library Advisory Committee plays an advisory and advocacy role regarding the library in its support of teaching, learning, research and community-building needs of the Institute. It assists in the provision of high quality library service to the faculty and students of the HRI Community by advising the Director in all development activities of the library.

<h1 style="text-align:center">Members</h1>

Details are as follows	
Prof. D. Surya Ramana	Convenor
Dr. Anirban Basu	Member
Dr. N. Raghavendra	Member
Mr. K.K. Suresh Kumar, Librarian	Member

LC recommendations:

The Library Advisory Committee Meeting held on 5th October 2021 and recommended to the renewal subscription of existing collections of journals, E-books, databases and other resources for the year 2022. Along with the existing materials, 11 new journals from American Chemical Society (ACS) and 02 journals from Royal Society of Chemistry (RSC) are subscribed for library users.

Library Team:

The day-to-day functions of the library at HRI is efficiently managed by a team headed by a Qualified Librarian with professional experience. He is supported by a SO "C" along with a team of well-trained library staff. The library staffs perform their duties exceptionally well, and are always appreciated by library users for their service mindedness, intelligence, enthusiasm and sincerity with which they serve them. In addition to their regular jobs, officers are involved in various committees and institute's other work.

The Library Staff with their names and designation:

Dr. K.K. Suresh Kumar	Librarian
Mrs. Anju Verma	SO "C"
Mr. Vivek Kumar	Junior Library Assistant
Mr. Kamta Prasad	Peon
Other contractual staff	05

Stock Verification:

Conducting the Stock verification every year is one the BEST PRACTICES of the HRI-Library. As per directions from the Administration, library has done stock verification of the library materials for the period 1st April 2021 to 31st Dec 2021 and we are happy to state that, "there is no missing" books or any other reading materials.

Library Management Software/Computerisation of in-house activities:

Library is automated and enabled with RFID Technology by using KOHA 19.11 version (Open Source Library Management Software). All in-house activities in the Library including Acquisition, Cataloguing, Circulation and Serials Control etc., are fully computerized using KOHA 19.11 version. The Online Public Access Catalogue (OPAC) of the Library i s operational on Intranet. It can be accessed online to search more than 62012+ bibliographic records, available in the Library database.

RFID Technology:

The Library has recently implemented the **Radio Frequency IDentification (RFID)** system. It is the best automated library automation system used worldwide and is an effective way of managing collections of the library and providing enhanced services to the users having benefits like: self check-out of books, self-check-in, finding misplaced reading materials, sorting, inventory accuracy, stock verification procedures, security control, Smart Card issuance, etc. It is an automatic data capture technology that uses tiny microchips and miniature antennas affixed to documents. RFID plays a vital role in redefining the library processes to make everyone's job easier right from the USERS to LIBRARY STAFF MEMBERS.

ICT enabled services:

Rapid advances in Information and Communication Technology are drastically changing the way the library and information services work. Besides this, expectations of the users have also risen manifold. Libraries are not mere spaces anymore; they are much more than that. It has become a challenge for library management to keep pace with changing information packaging and delivery methods on one hand and meet the user expectations on the other.

HRI Library has been trying to meet the Library users expectations over the years and as per feedback from its patrons has been quite successful in this endeavor. HRI Library not only proactively works on its collection building and infrastructural augmentation, but also puts a lot of emphasis on facilities, services and BEST PRACTICES for users. Like previous years, this year also focus was on the strengthening of print collection along with e-resources and implementation of latest information and communication technologies in its services.

Smart card facilities:

The Institute's members Identity Card has a chip which also serves as a Library card through which users can borrow books through the KIOSK/ Self issue-return process. This smart card facility has been given to students, researchers, PDFs, faculty, staff members and other members like Visitors and retired employees of t he Institute.

Major Initiatives:

The Central Library has taken various initiatives to improve the existing services, infrastructure, facilities, and procurement of bookshelves and reading chairs to increase the collections and user strength to provide strong and dynamic support to the academic, research programmes and policies of the institute. Some of these initiatives are described in the following sections.

- **Active participation:** Conducted Library Committee meetings, implemented policies and programs of the library, as adopted by the Library Committee, Registrar and the Director and whenever required provided the information and reports to the LC, Accounts Officer, Admin Officer, Registrar, and the Director and tried to building the library as a source for research activities.

- **Legal Agreement Procedure:** Introduced Legal Agreements (Stamp paper) process for the subscription of online and print journals, databases and e-book packages. Thereby cautioning Vendors/ Publishers to the consequences of misuse of the huge subscription amount.

- **Safe environment:** Regularly conducting discussions with Publishers and Vendors regarding invoices, currency conversion rates, price proof, discounts, Institute's subscription tier level and keep a safe environment for the library's spending budget.

- **Value Added Services:** Every year a marked budget of Rs. 2-3 Crores is spent for the library. Therefore to value the spends, made a continuous effort to facilitate the user community with value added services with the help of the library team

- **Best Practices:** In consultation with the Library Committee, Registrar and Director implemented BEST PRACTICES in the Library and strived to make HRI-Library one of the best research libraries in the DAE community and try to bring library standard to the National/IIT/IISER library level.

- **Trial Access & other Services:** Analyzing user expectations and communicating with publishers and providing different types of resources' Trial access to the users and grabbing their attention on new sources. Also analysing user needs and demands and fulfilling them in time and communicating to users related to the indents, articles, feedback, overdue, services and responding to user's queries.

- **Infrastructure APEX Project (Library component):** Successfully handled library related SIRD project (revised) with the help of the LC and Registrar and achieved 96.21% financial progress and 83% Physical progress. Also provided library plan and estimated amount for 2021-2024's new Infrastructure APEX Project (Library component).

- **DAE-Elsevier Consortium-2021:** Handled DAE-Elsevier Consortium-2021 for the institute and attended several online meetings. In this discussion suggested consortium related, access related, perpetual access related, special discount related information to the Coordinator and member libraries of the Consortium. The Consortium members recognized HRI's effort on matters pertaining to Consortium-2021.

- **Intra-mail Services:** We have individual, group e-mail services, whenever we find new information useful to the particular community, details are sent through e-mail. Also studied different matters/ subjects to curate necessary information for benefit of the research community in the Library. In this year, we have sent around 57 Informative e-mails to the Institute community related to Open Source resources, Scholarships, Library services, Newspaper clippings, about Scientists and their achievements, e-catalogues, different websites, Conferences/ Workshops, DST programs, and information on Bilateral exchange programs, interesting and noteworthy information on Science and other relevant news. Also made required changes in "library standards" and strove to upgrade library services to a faster and higher level of functioning.

- **Systematic re-shelving of books:** Experienced library staff members have been assigned to devote one to two hours daily in the morning in the stack areas to facilitate easy retrieval of books. This process is a continuous process throughout the year and it will give easy access to the books and other materials without any hurdles. This initiative has produced considerable satisfaction among users.

- **Reprographic and Spiral binding Facility:** Dedicated photocopier and spiral binding machines are made available in the library for the use of our students and faculty members. Access to this facility is available for students and faculty generally throughout the day.

- **Library Lounge/Collaboration learning space:** The library has created library lounge/ collaborative learning space in the entrance of the library near to the security check point. This space has been created to facilitate space to the users who wants to learn/ one-to-one discussions/ discuss together/in a group to solve problems, work on a project or have a meaningful discussion are allowed for limited time. Also newspapers are kept for users benefits. We provided comfortable furniture for the users. This area is quite popular for library users.

Theses Consultation Facilities:

HRI Library receives all the Ph.D. Thesis awarded by HBNI in Hard copy. Print copies of Theses are housed in Book Section of the library for consultation purpose only. The bibliographic information of Theses are made available through library Online Public Access Catalog (OPAC). Also through another interface especially designed for searching the Theses at: `http://www.hri.res.in/~libweb/theses/thesis.html`.

Hindi Book Collection:

HRI Library has built up a good collection of books in Hindi Language and made different sections like Religion, Language, Literature, Biography, Poem, Fiction, Novels, Science literature, Children's literature, and General reading book. These books are prominently kept near the stack area in the library to promote its usage. To increase the use of **Rajbhasha Hindi**, HRI library regularly sending **NEW ARRIVALS LIST** to HRI user community.