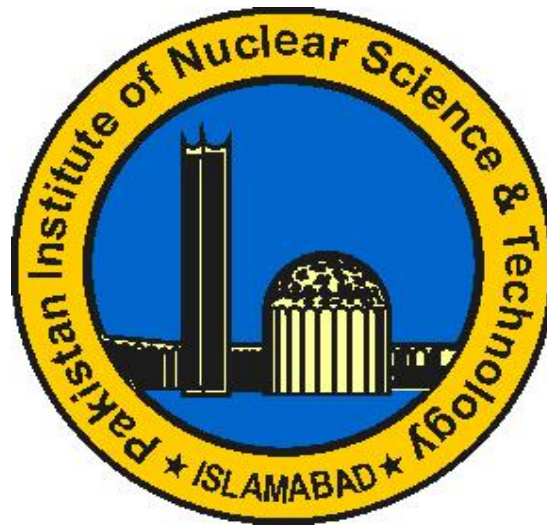


بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

Scientific Information Systems at PINSTECH



Waqar Ahmad Butt
Head SID

Pakistan Institute of Nuclear Science & Technology



Premier R&D centre of
Pakistan Atomic Energy Commission

**PINSTECH Library was established
in 1966**

**Scientific Information Division was created
in 1984**

***Declared as*
National Library of Physical Sciences
in 2002**

- ***MANDATE*** : Management and dissemination of scientific and technical information to PINSTECH/PAEC (including classified projects) as well as other R & D organizations and universities in the country
- ***IN-HOUSE COLLECTION***: About 32,500 books, more than 950,000 records of 1700 journals and 1,400,000 non-conventional literature on microfiche, microfilms, CD-ROMs, paper copy, etc.
- ***SID PRESS***: Central printing facility of PAEC

Main Activities

- **Acquisition of books, journals, reports, etc to develop in-house collection**
- **Comprehensive S &T Information Database Management**
- **Retrospective literature searching**
- **Shifting from conventional retrieval system to E-Library system**
- **Current awareness services**
- **Package Scheme for R&D Establishments/ Institutions**

SID Workforce

Total strength = 77

Officers (Tech.) = 06

Supporting Staff (Tech.) = 33

Officers (Library professionals) = 06

Supporting Staff (Non-Tech.) = 32

Head SID

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graph TD; HeadSID[Head SID] --- CIMS[CIMS]; HeadSID --- INIS[INIS]; HeadSID --- LMS[LMS]; HeadSID --- LRMS[LRMS]; HeadSID --- RCS[RCS]; HeadSID --- SMS[SMS]; HeadSID --- STRS[STRS];
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CIMS

INIS

LMS

LRMS

RCS

SMS

STRS

CIMS:

Computerized Information Management Section

INIS:

International Nuclear Information System

LMS:

Library Management Section

LRMS:

Library Record Management Section

RCS:

Reference & Circulation Section

SMS:

Services Management Section

STRS:

Scientific & Technical Reports Section

Work under Progress:

- **Digital access to required literature**
- **Conversion of in-house literature to electronic form**
- **Improvement of the website**
- **Barcode system for books**
- **OPAC for SID in-house collection via website**
- **Full access of HEC Digital Library**
- **Ask a librarian**
- **On-line request submission**

Future Plan

- **Access of SID in-house collection, HEC Digital Library & INIS databases on Desktop**
- **Access of library members to status of books (available, issued, transferred, written-off, etc)**
- **Dissemination of scientific information via emails/ website/ LAN**
- **Enhancement of services for R & D organizations, academic institutions, etc.**
- **Improvement in SID Package Scheme**

- **Downloading of relevant literature from E-Books scheme of HEC & other sources**
- **Audio/visual room for scientific documentaries, popular science lectures, conferences, etc.**
- **On-line lectures of renowned scientists that cannot be downloaded**
- **Video conferencing facility**
- **Translation service with the help of computer programs**
- **Resource sharing via digital media**

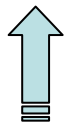


THANK YOU

CIMS: Computerized Information Management Section

(Mr. Ghulam Sarwar, Pr. Scientist)

- Updating SID Website
- SID LAN management/ networking
- Software development
- Data Entry for in-house databases
- Database management (Local and NTC)
- Service/maintenance of computers in SID



INIS: International Nuclear Information System

(Mr. Asif Bashir, DCS)

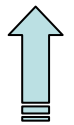
- **SID is the National INIS Centre for Pakistan**
- **Collection of scientific literature published within the country**
- **Preparation of INIS input records according to IAEA format**
- **More than 500 records are sent to INIS every year**
- **Preparation of retrospective searches from INIS database for scientists/engineers**



LMS: Library Management Section

(Mr. Muhammad Riaz, Sr. Librarian)

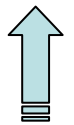
- Subscription to International Journals
- Acquisition of reports/patents against adhoc requests
- Processing of acquired material for computerization
- Provision of reference services and manual literature searches
- Help in finalizing PINSTECH International reports
- Managing PINSTECH Printing Press



LRMS: Library Record Management Section

(Ms. Rafia Mir, Sr. Librarian)

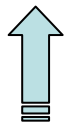
- Acquisition of Books through local/foreign suppliers
- Classification and cataloging of publications
- Record of IAEA and donated publication
- Record of transferred/cost recovered/written-off books
- Arrangement of annual stock taking



RCS: Reference & Circulation Section

(Ms. Shazia Saeed, Sr. Librarian)

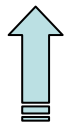
- Handling of books/publications circulation system (issue, return, reminders, etc.)
- Maintenance of Library and Exhibits Area
- Helping users in on-line access to literature
- Arrangement of scientific documentaries/films
- Conducting visitors to SID



SMS: Services Management Section

(Ms. Ruqiya Khatoon, Sr. Research Officer)

- Provision of all type of literature/articles from all sources upon request
- Downloading of required material from HEC Digital Library
- Transmission of literature through emails
- Publication of Glimpses from Recent Arrivals
- Arrangement of translation facility for S & T documents
- Managing the SID Package Scheme



STRS: Scientific & Technical Reports Section

(Mr. Ihsan-ur-Rehman, Pr. Librarian)

- Collection of about 1.4 million S &T reports
- Conversion of microfiche/microfilms into digital media (scanning and CD writing)
- Searching/downloading of reports by web browsing
- Procurement of reports, patents, etc.
- Publication of PINSTECH/Divisional reports
- To maintain record of PINSTECH/PAEC Annual Reports, brochures, etc.



SID Package Scheme

<i>Services</i>	<i>Package 1 Rs. 20,000</i>	<i>Package 2 Rs. 70,000</i>	<i>Package 3 Rs.200,000</i>	<i>Package 4 Rs.400,000</i>	<i>Package 5 Rs.600,000</i>
Retrospective searches from journals and reports available in SID	4	6	12	30	No limit
Retrospective searches from INIS database	4	5	10	25	-
Microfiche scanning and provision of full article on CD/ softcopy	50	200	1000	2000	-
Full text of reports from INIS database.	20	50	100	200	-
Journals TOCs	2	8	20	50	-
Books on loan	10	20	40	80	-
Glimpses from Recent Arrivals/ provision of required articles	Every month	Every month	Every month	Every month	Every month

SID SERVICE CHARGES

Table of Contents (ToCs)	Rs. 500/ each
Microfiche to softcopy	Rs. 500/ each
Article	Rs. 1500/ each
Patent	Rs. 1000/ each
Retrospective Searches (INIS) Database	Rs. 4000/ each
Retrospective Searches (Manual)	Rs. 7000/ each
Books on loan	Rs. 4000/ each

