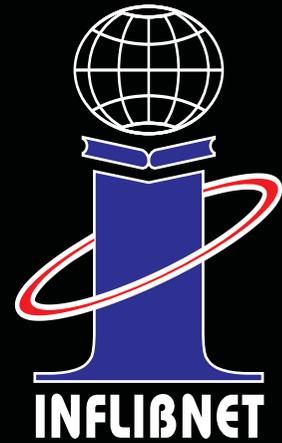


ISSN : 0971-9849

Vol. 16, No.4 (October to December 2009)



INFLIBNET NEWSLETTER

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Published by
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From the Director's Desk



The Centre continued to go through high activity phase that kept out scientists and staff busy with new projects and activities. Bhoomi Puja for the INFLIBNET Centre's new Building was performed by Prof. S K Khanna, Chairman, Governing Board and Building Committee,

INFLIBNET Centre along with the Director and other members of the Building Committee. All staff members of the Centre and selected invitees from neighbouring institutions in Ahmedabad were invited to join the Bhoomi Puja.

The SOUL 2.0, released in January 2009 by the Chairman, UGC, gained new grounds. Besides providing updated version of SOUL to our existing customers free-of-cost, 32 new installations were done during the period under report and three 5-days training programmes were conducted for the existing as well as for new customers of SOUL software. The Centre organised three IRTPLA training programmes at University of Rajasthan, University of Kashmir and University of North Bengal during this quarter. Optimal use of electronic resources is important to justify economic viability of UGC-Infonet Digital Library Consortium. As such, the Centre encourages universities to organise User Awareness Programme on access to e-resources. Two User's Awareness Programmes were organized during the period under report, one each at the Gujarat University and North Gujarat University, Patan. Both the programmes were organised successfully and attracted a large number of participants from the respective universities. Considering the progress made by the Centre during the first tenure of Prof. S K Khanna, Chairman, Governing Board, INFLIBNET Centre, the term of Prof. Khanna was further extended for the second term of three years i.e. from 27th October 2009 to 26th October, 2012. The Chairman, UGC has aptly acknowledged the contributions made by Prof. Khanna in his letter that states that "the UGC recognises the successful reforms and innovations made by the INFLIBNET Centre under the leadership of Prof. S. K. Khanna".

The Centre congratulates Prof. S K Khanna for getting the second term as Chairman of our Governing Board. We would like to take

this opportunity to assure Prof. Khanna that the Centre and its staff would do its best to improve and enhance the quality of our services to the academic community in the larger interest of the nation.

As reported in the last Newsletter, the project entitled "Indian National Library and Information Services Infrastructure for Scholarly Content (N-LIST)" that envisage to provide access to e-resources to 6,000 colleges kept the Centre busy with the Herculean task of gathering information from all the colleges. The N-LIST server has now been hosted at the BSNL at its collocation facility. The Centre has enrolled more than 1,100 colleges under the Programme. A database of these colleges and its authorized users is being developed. The Centre has also negotiated rates of subscription to e-resources for colleges with the publishers. The N-LIST Programme, proposed to be launched in the first quarter of 2010, envisage providing access to e-resources including 2,100 e-journals and more than 51,000 e-books to the colleges that have enrolled under this programme. The Centre has also evolved a scheme named "N-LIST Associates" that would allow private colleges not covered under 12 (B) Act of the UGC, as N-LIST Associates and get access to e-resources subscribed under the N-LIST programme.

The Centre collaborated with University of Delhi to organise an International Conference on Academic Libraries held at the University of Delhi from 5th to 8th October, 2009. Dr. Jagdish Arora, Director, Shri Rajesh Chandrakar, Scientist-B (LS) and Shri Dinesh Pradhan, STO-I (LS) attended the Conference. The INFLIBNET Centre looks forward to continuing support from the academic community in all our endeavours.

A handwritten signature in black ink, appearing to read 'Jagdish Arora'.

(Jagdish Arora)

Bhoomi Pooja at the Site of the INFLIBNET's Institutional Building @INFOCITY Gandhinagar

Bhoomi Pooja was performed at the site of Institutional Building at INFOCITY Gandhinagar on 27th October 2009. The Pooja was performed by Prof. S K Khanna, Chairman, Governing Board, INFLIBNET Centre, Dr. Jagdish Arora, Director, INFLIBNET Centre, Dr. R K Chadha, Joint Secretary, Parliament Library and Member, Building Committee and Mr. Soenke Hoof, Architect, Vastu Shilpa Consultant. All staff members of the Centre joined the Pooja ceremony. Representatives from neighbouring institutes were also invited for the ceremony.

The construction work of the Institute building was started soon after the Pooja. It is expected that the construction work of the building would be completed within 2 years.



Model of the Institutional Building of the INFLIBNET Centre



Prof. S K Khanna, Chairman, Governing Board, INFLIBNET and Dr. Jagdish Arora, Director, INFLIBNET Centre performing Bhoomi Pooja joined by Dr. R K Chadha, Joint Secretary, Lok Sabha and Member, Building Committee and Mr. Soenke Hoof, Architect, Vastu Shilpa Consultant.

Training Programme on SOUL 2.0

The second version of SOUL software, called SOUL 2.0, was released by Prof. S K Thorat, Chairman, UGC during the inaugural session of "National Seminar on Open Access to Textual and Multi-media Content: Bridging the Digital Divide", on 29th January 2009 at India Habitat Centre, New Delhi. Some of the important features and functionalities incorporated in SOUL 2.0 are: compliance to international standards like MARC 21 to facilitate data transfer and exchange, UNICODE to facilitate handling of multilingual content, SIP and NCIP for RFID compliance; FRBR to support functional

requirement for bibliographic records, etc. The new version has been received very well. As a gesture of goodwill, the Centre has offered free copy of the software to all its existing users. 321 copies of the software were given to the existing users and 170 copies were sold to the new clientele after release. The Centre has organised three training programmes during the quarter and 68 participants were trained on operations and installation of SOUL 2.0. The details of the training programmes organised at the INFLIBNET Centre are given below:



Participants of the 80th SOUL Training Programme with Director, INFLIBNET, Teaching Faculty and other Staff Members



Participants of the 81st SOUL Training Programme with Director, INFLIBNET, Teaching Faculty and other Staff Members



Participants of the 82nd SOUL Training Programme with Director, INFLIBNET, Teaching Faculty and other Staff Members

TP No.	Place	Period	No. of Participants
80	INFLIBNET Centre, Ahmedabad	October 5-9, 2009	26
81	INFLIBNET Centre, Ahmedabad	November 9-13, 2009	22
82	INFLIBNET Centre, Ahmedabad	December 9-13, 2009	20

INFLIBNET Regional Training Programme on Library Automation (IRTPLA)

Three INFLIBNET Regional Training Programme on Library Automation (IRTPLA) were organized by the INFLIBNET Centre in collaboration with Rajasthan University, Jaipur, University of Kashmir, Srinagar and University of North Bengal, Jalpaiguri, respectively. A brief report on the three IRTPLA is given below:

Rajasthan University, Jaipur, November 3-7, 2009

The Department of Library and Information Science, University of Rajasthan, Jaipur, in collaboration with the INFLIBNET Centre, organized 5-days IRTPLA from 3rd to 7th November 2009. The programme was inaugurated by Dr. Furqan Qamar, Honorable Vice Chancellor, University of Rajasthan, Jaipur on 3rd November 2009. Dr. M R Rawtani, Head, Department of Library and Information Science, University of Rajasthan welcomed the participants and invited dignitaries. Prof. Reeta Arora, Dean, Faculty of Education, University of Rajasthan extended a warm vote of thanks. 35 library

professionals from different institutions and the staff of Rajasthan University attended the training programme. The training programme was exclusively devoted on SOUL2.0 software developed by the INFLIBNET Centre, Ahmedabad. The programme consisted of 13 theoretical lectures in forenoons and "hands-on" practice in afternoon. Dr. R K Chadha, Joint Secretary, Parliament, was invited to deliver a lecture on "IPR Issues in Electronic Environment". Dr. Jagdish Arora, Director, INFLIBNET Centre delivered a lecture on "New ICT Tools and Techniques and their Impact on Libraries". Dr. M R Rawtani, Sh. A K Pant, Dr. Poornima Kaushik from University of Rajasthan, Mrs. Vaishali Shah, INFLIBNET Centre, Ms. Nilam Shah, Project Associate, INFLIBNET Centre and Ms. Nabila Sheikh, Technical Assistant, INFLIBNET Centre were resource persons for the training programme. Mrs. Vaishali, Ms. Nilam and Ms. Nabila from the INFLIBNET Centre imparted training to the participants on various modules of SOUL

2.0. Dr. Rawtani welcomed the participants and dignitaries during the Valedictory session of the training programme.

Dr. Furqan Qamar, Vice Chancellor of the University addressed the participants stressing upon the important role of the librarians in initiating users in

reading and research. Dr. R K Chadha spoke about the role of libraries as service organizations. Dr. Jagdish Arora talked about new initiatives being taken by the INFLIBNET Centre. Dr. Chadha and Dr. Arora distributed the certificates to the participants.



Dr. Furqan Qamar, Vice Chancellor, University of Rajasthan, Dr. Jagdish Arora, Director, INFLIBNET Centre, Dr. R K Chadha, Joint Secretary, Parliament, Dr. P. K. Gupta, Deputy Librarian, University of Rajasthan alongwith Participants and Faculty of the IRTPLA Programme held at University of Rajasthan, Jaipur

programme, Dr. Jagdish Arora, Director, INFLIBNET Centre spoke about the objectives of the INFLIBNET Centre and its role in supporting research and development activities in universities in India. Prof. Syed Fayaz Ahmad, Registrar, University of Kashmir also addressed the participants and stressed upon the requirement of ICT infrastructure for optimal use of e-resources made available to the universities in India. .

University of Kashmir, Srinagar, November 16–20, 2009

The Department of Library and Information Science, University of Kashmir and the INFLIBNET Centre, Ahmedabad jointly organized 5-days INFLIBNET Regional Training Programme on Library Automation from 16th to 20th November 2009. Prof. S M Shafi, Head, Department of Library and Information Science, University of Kashmir welcomed the participants and presented an overview of the programme. The programme was inaugurated by Prof. Reyaz Punjabi, Vice Chancellor, University of Kashmir. Prof. Punjabi, in his Presidential speech, addressed the participants as "Future Leaders of Education". Prof. Punjabi appreciated efforts of the Department of Library and Information Science and Department of Information Technology (IT) for creating IT culture in the university campus. The Chief Guest of the



Prof. S M Shafi, Librarian, University of Kashmir, Shri H G Hosamani, Scientist B, Shri. Saroj Kumar Panda and Shri Swapnil P. Patel INFLIBNET Centre alongwith participants of the IRTPLA Training Programme

The Training Programme was divided into ten technical sessions including theory and practice. Besides presentation and demonstrations on various modules of SOUL 2.0, following lectures were delivered to the participants:

1. "INFLIBNET Activities, Services and Future Plan" – Mr. H G Hosamani, Scientist B, INFLIBNET Centre
2. "Networking Fundamentals" – Dr. Mehrajuddin, Director, Information Technology & SS, University of Kashmir
3. "Web Resources for Library Automation" – Dr. Sameer Gul, Assistant Professor, University of Kashmir
4. "Website Designing for Libraries" – Mr. Nadeem Akhtar Khan, Assistant Librarian, University of Kashmir

The problems faced by the librarians in the older version of the SOUL was also discussed on last day of the training programme. Prof. W A Alvi, Former-Head, Department of Library and Information Science, University of Kashmir was the Chief Guest of the valedictory function. Mr. H G Hosamani, Mr. Swapnil P. Patel, Project Officer (CS) and Mr. Saroja Kumar Panda, Project Associate (LS) served as faculty for the training programme from the INFLIBNET Centre. Mr. N A Khan from the University acted as Organizing Secretary for the programme.

University of North Bengal, Jalpaiguri, December 14-18, 2009

The University of North Bengal, Jalpaiguri in collaboration with INFLIBNET Centre organized Regional Training Programme on Library Automation from 14th to 18th December 2009. Prof. Alok Kumar Banerjee, Vice Chancellor, University of Kalyani inaugurated the programme. Prof. Siddhartha Datta, former Vice Chancellor, Jadavpur University was the Chief Guest of the programme. Prof.

Biplab Chakraborty, Professor & Head, Department of Library and Information Science, Calcutta University, Kolkata, was Guest of Honour. Prof. Arunabha Basu Majumdar, Vice Chancellor, University of North Bengal, Jalpaiguri presided over the function. Sh. H G Hosamani, Scientist B, INFLIBNET Centre, Ahmedabad represented the INFLIBNET Centre. Prof. R K Samanta, Chairman of the organizing committee welcomed the participants and dignitaries. Prof. C R Naik, Joint Convenor, presented the report on e-journals usage status and network connectivity in the campus. Sh. Mruganka Mandal, Librarian & Joint Convenor of IRTPLA proposed a warm vote of thanks.

The training programme was conducted on operations and installation of SOUL2.0. Besides presentations on various modules of the SOUL2.0 and "hands-on" practice, presentations were also made on the following topics:

1. INFLIBNET activities and services;
2. Open Source Software;
3. Networking Fundamentals;
4. Website designing for libraries; and
5. Creation of digital libraries and hands on practice.

Besides, Shri Dinesh Rayka and Shri Divyakant Vaghela, Project Officer (CS) from INFLIBNET Centre along with Shri H G Hosamani, Dr. Partha Mukherjee, DLIS, University of Burdwan, Prof. R K Samanta, Dept. of Computer Science, University of North Bengal, Jalpaiguri, Prof. S Setua, Dept. of Computer Science, University of Calcutta and Dr. Soumitra Sarkar, Librarian, University of Calcutta were the external resource persons. 35 participants from different parts of West Bengal attended the programme. Prof. Basab Chaudhari, Registrar, University of Calcutta was the Chief Guest

during Valedictory session. Prof. Chaudhari distributed the certificates to the participants.



Participants of the IRTPLA Programme at North Bengal University, Jalpaiguri along with the faculty members of the training programme

User Awareness Programmes on Access to E-Resources, UGC-Infonet Digital Library Consortium

Gujarat University, Ahmedabad, November 25, 2009

The Department of Library and Information Science, Gujarat University and University Central Library jointly organized one day User Awareness Programme under the UGC-Infonet Digital Library Consortium in collaboration with the INFLIBNET Centre at School of Commerce Conference Hall on 25th November 2009. The awareness programme was inaugurated by Dr. Parimal Trivedi, Vice Chancellor, Gujarat University by lighting the traditional Lamp. Mrs. Geeta Gadhvi, Coordinator of the programme and Lecturer, Department of the Library and Information Science, Gujarat University welcomed the dignitaries and the participants. Dr. Trivedi, in his presidential speech, appreciated the efforts of the INFLIBNET Centre for making e-resources available to the university under the Consortium initiative. He emphasized on maximizing the usage of e-resources made available to the faculty and students requested the faculty and research scholars for making optimum utilization of the resources. Dr. Jagdish Arora, Director, INFLIBNET Centre delivered the Keynote address on UGC-Infonet Digital Library Consortium. He stressed upon the importance of the e-resources in research and higher education including cost-effectiveness of the UGC-Infonet Digital Library Consortium and its impact on research productivity.

Dr. Arora also made a presentation on "INFLIBNET Centre: Current Status and Future Endeavors". While speaking on the topic, he presented a general

overview of the functions and current activities of the Centre and its future plan. The programme was attended by over 200 participants including faculty, research scholars, students and the staff. Representatives of the publishers of e-resources accessible to the University made presentation about their resources to the participants. The representatives were from Balani Infotech (ACS, Project Muse), Cambridge University Press, Wiley Blackwell, Taylor & Francis, Oxford Journals, AIP/APS and Informatics (JCCC and Annual Review).

The programme was concluded by Smt. Vaishaliben Padhiyar, Development Officer, Gujarat University. She expressed that the 21st century is witnessing an explosion in information resources and that libraries have to play an important role in tackling this information explosion by providing seamless access to e-journals instantly. Shri Ashwin Bhavsar, Incharge Librarian, Gujarat University Library proposed a warm vote of thanks. Feedback of the programme revealed that it was very useful to the user community.



Dr. Parimal Trivedi, Vice Chancellor, Gujarat University is speaking while inaugurating the programme. Dr. Jagdish Arora, Director, INFLIBNET Centre and Mrs. Geeta Gadhvi, Coordinator of the Programme are also present.

North Gujarat University, Patan, November 26, 2009

The University Library and Department of Library and Information Science of Hemchandracharya North Gujarat University, Patan organized User Awareness Programme on Access to E-Resources under the UGC-Infonet Digital Library Consortium in collaboration with the INFLIBNET Centre, Ahmedabad on 26th November 2009. Dr. K K Shah, Vice Chancellor, Hemchandracharya North Gujarat University inaugurated the awareness programme. Dr. Jagdish Arora, Director, INFLIBNET Centre, Dr. J H Pancholi, Pro-Vice Chancellor and Dr. M G Patel, Coordinator & In-Charge, University Librarian, Hemchandracharya North Gujarat University shared the dias during Inaugural Programme and addressed the participants and invitees. Dr. M G Patel welcomed the dignitaries and participants of the programme. Dr. K K Shah delivered the presidential address. In his address, Dr. Shah appreciated the effort

of the INFLIBNET Centre for making e-resources accessible to the universities in India. About 300 participants consisting of teachers, research scholars, students and staff of the university participated in the programme. Dr. Jagdish Arora made a presentation on "INFLIBNET Centre: Current Status and Future Endeavours". He gave an overview of the functions and activities of the INFLIBNET Centre. While touching upon the benefits of the UGC-Infonet Digital Library Consortium initiative in detail. Representatives of publishers of e-resources made presentations on the e-resources made available to the North Gujarat University. Presentations were made on e-resources offered by Annual Reviews, JCCC, American Chemical Society, Project Muse, Taylor & Francis, Springer, Cambridge University Press, Blackwell-Wiley, Oxford University Press, Institute of Physics, Royal Society of Chemistry, American Institute of Physics and American Physical Society.



Dignitaries on the dias during One Day User Awareness Programme on Access to E-resources at the Hemchandracharya North Gujarat University, Patan



The INFLIBNET organizes number of user Awareness Programmes at member university of the Consortium. The Report of the programmes are available at the Consortium website. The university interested in conducting such programme may contact Director at director@inflibnet.ac.in

Welcome to Prof. S K Khanna Reappointed as Chairman, Governing Board, INFLIBNET Centre (IInd Term)



Prof. S K Khanna, former Chairman, All India Council for Technical Education (AICTE) and former Vice Chairman, University Grants Commission (UGC) – the two apex regulatory bodies of educational administration in India, was reappointed for IInd term as Chairman, Governing Board, INFLIBNET Centre for a

period of three years w.e.f. 28th October 2009. Prof. Khanna has served Indian Institute of Technology (IIT) Roorkee for 26 years as Senior Faculty member. He was engaged in researching and teaching variety of engineering domains especially in transport infrastructure, planning and designing. Prof. Khanna is well known personality in the higher education sector. He is known for his leadership quality especially in the technical and managerial

education. He has been the Chairman of the Board of Governors, Indian Institute of Management (IIM), Ahmedabad.

At present, Prof. Khanna is working as Advisor to Jaypee Education System (JES) under the aegis of Jaypee Sewa Sansthan (JSS) backed by Jaypee Group of Industries. The IIT, Roorkee conferred Prof. Khanna as Distinguished Alumnus in November 2006 and recognized him as one of the most accomplished educationalists. Prof. Khanna is Fellow of Indian National Academy of Engineering (FNAE) and Fellow of Indian National Academy of Sciences (FNASc). Prof. Khanna has been honored as Doctorate of Engineering (Honoris Causa) by various prestigious universities in India including IIT, Roorkee and overseas for his contributions to the field of engineering. The Director and staff of the INFLIBNET congratulates and welcomes Professor Khanna for his 2nd term as Chairman of the Governing Board, INFLIBNET Centre.

Visitors at INFLIBNET Centre



Dr. Jagdish Arora, Director, Sh. H. G. Hosamani, Scientist B, and M. B. Hema Cholin, STA-II, INFLIBNET centre alongwith Dr. S. K. Singh, Reader, DLIS, Gauhati University, Guwahati, his colleagues and students from the university.

Dr. S K Singh, Reader, Department of Library and Information, Gauhati University alongwith his 2 colleagues and 25 students visited INFLIBNET Centre on 29th October 2009 for practical exposure of the INFLIBNET activities.

Topics on Cutting-Edge Technology in LIS

Shri Yatrik Patel, Scientist C (CS) of the Centre is involved in the implementation of Shibboleth technology for the off-line access of e-resources available under the UGC-Infonet Digital Library Consortium. The technology is also being explored for the e-resources that will be available under the N-LIST (National Library and Information Services Infrastructure for Scholarly Content) Project to the Colleges of the Country. Shri Patel has explained the Shibboleth technology in this issue of the Newsletter under the article "Shibboleth Based Access Management for Consortia". Sh. Yatrik Patel can be contacted at yatrik@inflibnet.ac.in.

attribute exchange framework. Shibboleth also provides extended privacy functionality allowing the user and their home site to control the attributes released to each application. Using Shibboleth-enabled access simplifies

The INFLIBNET Centre provides access to scholarly e-resources to universities in India as one of its core mandates under the UGC-INFONET Digital Library Consortium. The Centre is keen to optimize the utilization of e-resources so as to ensure better returns on investment and greater benefits to the academic community. At present the access to e-resources in universities is IP-enabled and, as such, access is restricted within the confine of a given university campus. Although, usage of e-resources is satisfactory and access to e-resources are restricted to university campuses only due to lack of proper authentication mechanism. The Centre is working towards deploying appropriate access management tools for enabling users to access e-resources either from his / her campus, home or even from while traveling. Implementation of such a solution requires setting-up of proper user authentication and access control mechanism ensuring trust relationship between publisher, "identity providing" agency and the user institution. The Centre is keen on implementing Shibboleth access management system for its e-resources available for access under the consortium.

What is Shibboleth?

The Shibboleth System is an open source software package for web single sign-on across or within organizational boundaries based on open standards of access management. It allows sites to make informed authorization decisions for individual access of protected online resources in a privacy-preserving manner. Using this technology, user can access designated electronic resources within institute as well as off campus.

The Shibboleth software implements widely used federated identity standards, principally OASIS' Security Assertion Markup Language (SAML), to provide a federated single sign-on and

management of identity and permissions for organizations supporting users and applications. Shibboleth is developed in an open and participatory environment and is freely available.

In addition to providing single sign-on functionality, Shibboleth can help control access to either campus-based or licensed resources. Working with identity management systems, Shibboleth releases the information for which service partners need to authorize actions or customize the user's experience. This reduces the need for developers to have access to the directory and instead provides fresh data, just-in-time. This can be implemented on- and off-campus. Shibboleth provides effective and efficient answer to the following challenges:

- ☞ multiple passwords required for multiple applications: Shibboleth supports single-sign on functionality
- ☞ scaling the account management of multiple applications: Most e-resources are Shibboleth compliant
- ☞ security issues associated with accessing third-party services privacy: Shibboleth uses Security Assertion Markup Language (SAML) and encrypted digital certificates for transfer of user attributes
- ☞ interoperability within and across organizational boundaries: Shibboleth uses open standards and is based on open source software
- ☞ enabling institutions to choose their authentication technology: Shibboleth can adopt already existing authentication mechanism (e.g. LDAP or Database) in an organization
- ☞ enabling service providers to control access to their resources: Shibboleth's Service Provider's interface at the publisher's end can be configured to allow access based on attribute provided by Shibboleth's Identity Provider.

An individual users can access resources offered by the institution and provider organizations through his / her campus login and password and they can also use authentication technology as per his / her choice as Shibboleth sits on top and provides the web single sign-on functionality.

There are two primary components to the Shibboleth system:

1. Identity Provider – the software run by an organization with users wishing to access a restricted service;
2. Service Provider – the software run by the provider managing the restricted service.

Shibboleth leverages the organization's identity and access management system, so that the individual's relationship with the institution determines access rights to services that are hosted both on- and off-campus.

To understand working of Shibboleth we need to clear some of the common terms in context of Shibboleth, those are described below:

Single sign-on

Many web-based applications have their own authentication system and each user of that application is issued with a username specifically for access to that system. Similarly owners of protected web sites issue usernames and passwords for access to their protected or subscribed resources. So, a typical user is likely to have various usernames; for access to the Library Catalogue, local PCs, Virtual Learning Environment, and for access to academic research material.

This proliferation of usernames causes management problems to the organizations, confusion to users and customer service providers. The purpose of a single sign-on system is twofold:

- ☞ to allow a user to use a single identity for access multiple online resources; and
- ☞ to allow a user to navigate from one resource to another without having to re-type the username and password.

The principal objective of Shibboleth is to allow an organization to have a single set of username and password for accessing multiple online resources either local or external available to members of the organization. The organization takes responsibility for authenticating the users by whatever means, Shibboleth does not pre-ordain the method that can be used for web server based authentication.

Attributes

The organization is responsible for providing attributes to each of its members such as member of department, role of student or faculty, entitlement to restricted resources. The organization also provides an Attribute Release Policy (ARP), accordingly, administrators choose appropriate attributes for online resources. The reference software provides an Attribute Authority (AA) which can be used to retrieve attributes from various sources, such as LDAP Directories, databases and files.

Individual privacy

The architecture of Shibboleth enforces the concept of individual privacy, allowing users to have a one-time session identifier and no persistent identity visible outside the organization.

Individual privacy is also enforced by the concept of ARP which is designed to allow the user to restrict the release of attributes to third parties. Management interfaces to enforce the ARP are not yet available.

Federation

This is a set of organizations and resources which agree to work together within a given set of policies, governance and legal agreements. The federation provides a list of participating organizations, with details of the registered Shibboleth components for that organization. This is made available to users wishing to access resources registered with the federation, to allow them to navigate to their home organization for authentication and the provision of authorization information. This list is known as the Where Are You From (WAYF) service.

Service Provider

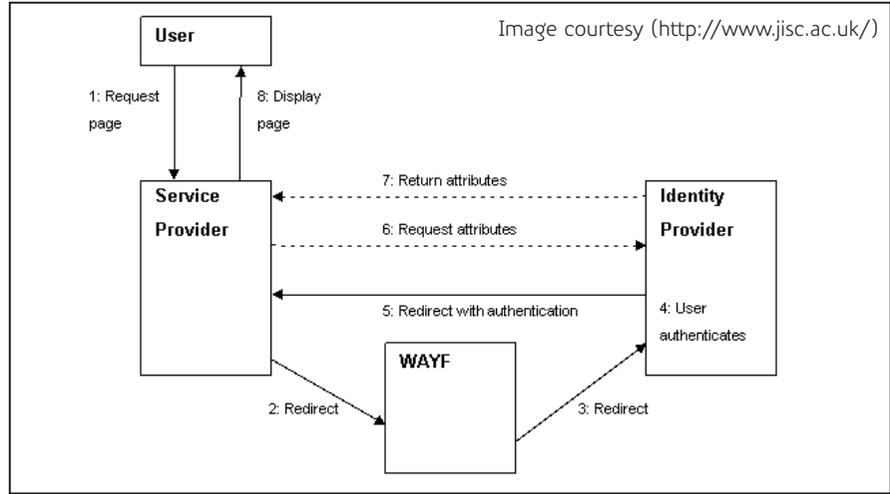
The online resource is responsible for determining whether a user is entitled to access the resource, using attribute information supplied by the user's home organization. The Service Provider is also responsible for publicizing details of attributes required for access to each resources, enabling users to prepare themselves in order to access resources.

Identity Provider

The organization is known as the Identity Provider and provides:

Its own authentication and single sign-on system. An Attribute Authority linked to user attribute information (also part of the reference software)

The Shibboleth authentication and authorization process



1. First of all, the user accesses a protected resources.
2. The resource redirects the user to the WAYF, so that he/she can select his home organization. Depending on the policy of the federation, the user may be able to record this preference, perhaps in a cookie, for future use.
3. The user is then directed to his home organization, which sends him to the authentication system at his organization.
4. The user authenticates himself, by whatever means his organization deems appropriate for this federation.
5. After successful authentication, a one-time handle or session identifier is generated for this user session, and the user is returned to the resource
6. The resource uses the handle to request attribute information from the Identity Provider for this user.
7. The organization allows or denies the attribute information to be made available to this resource using the ARP.
8. Based on the attribute information made available, the resource then allows or denies the user access to the resource.

as such, INFLIBNET has decided to act as IDP (Identity Provider) for all the institutions, including universities and colleges under its umbrella. As such, the working scenario at INFLIBNET will change as per the Shibboleth implementation:

1. The service provider (publisher) will recognize INFLIBNET Centre as a trusted organization for authenticating user and will give an option on their Web site to select INFLIBNET as an "Identity provider" (IDP).
2. Since INFLIBNET will serve as an IDP for all its member institutions, individual institutions would not be required to set-up their separate IDP and publisher would not be required to maintain separate link for each institution
3. When a user chooses INFLIBNET Consortia, he / she may be re-directed to IDP link at INFLIBNET Server
4. After verifying user's credentials, IDP at INFLIBNET will pass "user attributes" which may also contain his / her credentials (such as institute, department, role as faculty/student/researcher) and if agreed, whether he / she is having access to particular journal of publisher or not and / or other attributes which are mutually agreed.
5. If allowed (based on attributes) user will be able to access journals.

Shibboleth @ INFLIBNET

The Shibboleth working architecture described above requires each participating institutions to set-up their own "identity provider" services. Looking at the present scenario, universities and colleges do not have requisite technical know-how and ICT infrastructure,

References
<http://shibboleth.internet2.edu/>
<http://www.jisc.ac.uk/>

Staff News

ICAL, Delhi University, Delhi, October 5-8, 2009

Dr. Jagdish Arora, Director of the Centre was invited to chair a session and to be a panelist for the Panel Discussion by the Organising Committee, International Conference on Academic Libraries (ICAL) organised by the Delhi University Library System, University of Delhi, Delhi in collaboration with university Grants Commission (UGC) New Delhi and INFLIBNET centre, Ahmedabad for 5th to 8th October 2009. Dr. Arora was Panelist for the Panel Discussion held on 6th October 2009. Sh. Rajesh Chandrakar, Scientist B and Sh. Dinesh Pradhan, STO-I from the INFLIBNET Centre also attended the conference.

Ahmedabad Management Association, Ahmedabad, October 10, 2009

Dr. Jagdish Arora, Director of the Centre was invited to deliver a lecture on "Future of Academic Libraries" on the occasion of

"Seminar on Future Libraries and Librarians" jointly organised by Ahmedabad Management Association, Ahmedabad and Special Library Association (SLA), Asian Chapter on 10th October 2009. The seminar was also attended by the staff of the INFLIBNET Centre.

Sh. Rajesh Chandrakar

Shri Rajesh Chandrakar, Scientist B of the INFLIBNET Centre was invited by the Organising Committee to deliver a lecture and to be Chairperson for the UGC sponsored National Workshop on Library Automation held at Kamla Nehru College, Korba, Chhattisgarh on 6th to 7th November 2009. Sh. Chandrakar delivered lecture on SOUL 2.0 and also chaired a session on Library Automation in Colleges in Chhattisgarh.



Dr. Jagdish Arora, Director, INFLIBNET centre, Ahmedabad presenting on N-LIST during ICAL 2009 at Delhi University, Delhi.

किताबों से पक्की दोस्ती

राष्ट्रीय पुस्तक मेला-09 : पुस्तकें खरीदने का आज अंतिम दिन, शनिवार को बुक फेयर में उमड़े शहरवासी



शनिवार को प्रवेशक सड़क पर चल रहे गंगाल बुक फेयर में बड़ी संख्या में स्टूडेंट और बुताओं ने उत्सव के साथ किताबें खरीदीं। नाम हो बुक फेयर में संस्कृतिक कार्यक्रम का आयोजन भी किया गया।



उत्सव

रिपोर्ट

जयपुर। यहां पहुंचने के लिए एक से बढ़कर एक हिन्दी और इंग्लिश भाषा में लिखी गई बुक्स उपलब्ध हैं। पहुंचने के लिए अपने सकेजेट को धुसा भी और चर्चित, संस्कृति, इतिहास, जनरल अवेयरनेस, धार्मिक और धीरे धीरे किशोरी को पुस्तकें यहां लोगों को पसंद आ रही हैं।

राजस्थान पत्रिका और एमजेआरपी यूनिवर्सिटी की ओर से आम्बेडकर सेंटर पर चल रहे 'राष्ट्रीय पुस्तक मेला-2009' में पुस्तक प्रेमियों के लिए बहुत कुछ उपलब्ध है। राष्ट्रीय और अन्तरराष्ट्रीय स्तर के विभिन्न प्रकाशकों की लगभग 300 टाइटिल लम्बे हैं। शनिवार को 30 स्टूडेंटों के करीब 12000 स्टूडेंट्स ने विभिन्न खरीदने का रिकॉर्ड

खरीदी पर

राजस्थान पत्रिका निराला हॉट डेज का बुक फेयर में छांट बच्चों को प्रदाईरिखाने में लेकर स्कूल-कॉलेज की सकेजेट बुक्स, जनरल जर्नल, कवर्ड अफेयर्स, साहित्यिक, मोटिवेशनल, बायोग्रफ़ी, डिक्शनरी और विभिन्न शैलियों की पुस्तकें हैं, जिन्हें लोग अपनी पसंद के मुताबिक खरीद रहे हैं। फेयर में पत्नी और बेटी के साथ आए इंजीनियर राजीव शर्मा ने बताया कि बेटी के लिए सकेजेट बुक्स पसंद की है,

कॉम्पिटिशन में दिखाया जोश

शनिवार को केसो इस प्रतियोगिता में स्थूल खंडर स्कूल की सक्चन आनंद पहरे, माहेस्वरवी स्कूल लिलक नगर के दिवाकर ओझा दूसरे और महााराज कर्से स्कूल, छौटी चौपड़ की छात्रा सुनीता शर्मा तीसरे स्थान पर रहे। सुभाष प्ले स्कूल के प्रथम परनामो को सालाना पुरस्कार दिया गया। ग्रुप डांस में सेंट माइकल स्कूल को टॉप फर्स्ट विनर रही। जयपुर किड्स स्कूल के स्टूडेंट्स ने ट्यूब और टैगोर शिक्षा पंचन मानसरोवर स्कूल को टॉप ने तीसरा स्थान हासिल किया। विभिन्न प्रतियोगिताओं में प्रियोजा इन्टरनेट को पत्रिका की ओर से पुरस्कार दिए गए। प्रिशाभारिणी को एमजेआरपी यूनिवर्सिटी के चास्तर निर्मल पवार, डीईओ (माध्यमिक) बटौरागणव ग्रामा और वीरज उज जिला शिक्षा अधिकारी मदन मोहन निवाड़ी ने पुरस्कृत किया।

पुस्तक का विमोचन

बुक फेयर में मंगल कविता लिखित 'दुखम-सुखम' एवं सुन्दरनथ की 'व्यक्तिगत परचयन में अंगुलियों के निदान' पुस्तकों का विमोचन किया गया। विमोचन हिन्दी माध्यम कर्नाचय निदेशालय दिल्ली यूनिवर्सिटी की निदेशक अशा गुला, एमजेआरपी के चास्तर निर्मल पवार ने किया। अध्यक्षता पत्रिका के डिप्टी एडिटर सुभाष वर्मा ने की। नगर निगम चौईओ ललित महर ने लेखक रिवकन एमजी की पुस्तक 'सपने रसमना को अंदर' पुस्तक का विमोचन किया। मेले में शनिवार शाम को सुभाष अन्वयण यूनिवर्सिटी के चास्तर निर्मल शर्मा और राजस्थान बिल्डिंग एंड प्रोडक्चर्स एम्बेडमेंट के अध्यक्ष गोपाल प्रसाद गुला ने वीप प्रवचन किया।

डिजिटलाइजेशन हो बुक्स का

मेले में सुभाष तकनीकी युग में डिजिटल एवं वस्तुअत पुस्तकालय विषय पर परिचर्चा में मुख्य वक्ता इन्फ्लिबनेट, यूजीके अहमदाबाद के निदेशक डॉ. जगदीश अरोड़ा ने कहा कि बुक्स में डिजिटलाइजेशन आने वाले युग की एक महत्वपूर्ण कड़ी है। अध्यक्षता कर रहे संस्तर पुस्तकालय, भास्कर के डॉ. खीन्द चट्टक ने पुस्तकालय के डिजिटलाइजेशन की कब्र को विविध अतीथि वक्ताओं की प्रस्तुतियों के विषय में विचार-विमर्श के लिए प्रोत्साहित किया। संवेचक जयपुर लाम्बे एंड इमोजन इन सोमनाथी के निदेशक डॉ. जगदीश अरोड़ा ने कहा कि पुस्तकालयों में डिजिटलाइजेशन होना ही है।



वीप प्रवचन करते हुए इनिश पवार, डी.के. गुला, डॉ. जगदीश अरोड़ा, डॉ. सैयद, डॉ. एम.रा. राय एवं अशा गुला।

कॉलेज भी जुड़ेंगे इंफो-लिब नेटवर्क से

लाइब्रेरी ऑटोमेशन पर वर्कशॉप का समापन

इंफॉर्मेशन लाइब्रेरी नेटवर्क में देशभर से जुड़ने वाले 6,000 कॉलेजों में जयपुर सहित राज्य के कई कॉलेज शामिल होंगे। इससे स्टूडेंट्स को ऑनलाइन जर्नल्स और ई-बुक्स का फायदा मिलेगा।

सैक्रेटरी डॉ. खीन्द कुमार चट्टक ने बताया कि स्टूडेंट्स को लोकसभा लाइब्रेरी का उपयोग करना चाहिए। इस ऑनलाइन नेटवर्क में सांसदों के विचारों को भी शामिल किया जाएगा।



सिटी रिपोर्ट

देश भर में 2000 से भी ज्यादा यूनिवर्सिटी और कॉलेजों को इंटरनेट के माध्यम से 6000 से भी ज्यादा कॉलेजों को अपने नेटवर्क में जोड़ेगी। इससे जयपुर सहित राजस्थान के कॉलेजों में भी शामिल होंगे।

राजस्थान यूनिवर्सिटी के मानविकी हॉल में लाइब्रेरी ऑटोमेशन पर वर्कशॉप के समापन कार्यक्रम में शनिवार को हिस्सा लेने के लिए इन्फ्लिबनेट के डायरेक्टर डॉ. जगदीश अरोड़ा ने यह जानकारी दी। बताया कि पहले फेज में इन कॉलेजों को जोड़ने के लिए अभी तक लगभग 1000 कॉलेजों में इंफॉर्मेशन का सर्वे किया जा चुका है। इन्फ्लिबनेट के सहयोग से यूनिवर्सिटी के डिपार्टमेंट ऑफ लाइब्रेरी एंड इंफॉर्मेशन साइंसेज की ओर से आयोजित की गई इस वर्कशॉप के अंतिम दिन अरोड़ा ने बताया कि कॉलेजों को इस नेटवर्क से जोड़ने के बाद कॉलेजों को सलेक्टेड जर्नल्स और ई-बुक्स का एक्सेस दिया जाएगा। उन्होंने बताया कि यह काम इसी फेब्रुअरी महीने में पूरा होने की उम्मीद है।



देश की दूसरी सबसे बड़ी लाइब्रेरी का यूज कर स्टूडेंट : वर्कशॉप के समापन समारोह में लाइब्रेरियंस और लाइब्रेरी साइंसेज के स्टूडेंट्स को सम्बोधित करते हुए लोकसभा सचिवालय के जॉइंट

सिटी रिपोर्ट

श्रद्धागार प्रतिवेवा निरु
आज कर्मशाला शुरु

PRABHAT KHABAR ON 15.12.2009.

HIMALAYA DARPAN ON 15.12.2009.

पुस्तकालयों को उन्नत करने पर जोर

सूचना प्रौद्योगिकी के दौर में सूचना संपत्तियों को लाइब्रेरियन सिस्लीगुड़ी, एक संवाददाता ने बताया कि इन दिनों तक चलने वाले योजनाएं ट्रेनिंग के अंतर्गत लाइब्रेरी का उन्नत करने के लिए विभिन्न कॉलेजों के कॉलेज हॉल में सौम्य रूप से कार्यक्रम का आयोजन किया गया। ट्रेनिंग कार्यक्रम के अंतर्गत लाइब्रेरियन को उन्नत करने के लिए विभिन्न कॉलेजों में सौम्य रूप से कार्यक्रम का आयोजन किया गया। ट्रेनिंग कार्यक्रम के अंतर्गत लाइब्रेरियन को उन्नत करने के लिए विभिन्न कॉलेजों में सौम्य रूप से कार्यक्रम का आयोजन किया गया।



विधि परिचर में ट्रेनिंग सेंटर के उपाध्यक्ष अक्षर पर संबोधित करते मुख्य अतिथि

ऑटोमेशन लाइब्रेरी युवाओं के लिए लाभदायक : होसामणि

प्रतिनिधि
सिलीगुड़ी : आधुनिकता के इस युग में किताबों एवं पत्रिकाओं की लाइब्रेरी, सूचना प्रौद्योगिकी, संचार प्रौद्योगिकी व साइबर स्पेस नेटवर्किंग इंटरनेट समेत अन्य जानकारी के लिए एक कामन प्लेटफॉर्म तैयार किया जा रहा है, इनफ्लिबनेट (इनफॉर्मेशन एंड लाइब्रेरी नेटवर्क) पुस्तकालय विज्ञान का संपूर्ण भाग है। उक्त बातें अहमदाबाद इनफ्लिबनेट सेंटर के वैज्ञानिक एमजी होसामणि ने कही हैं। वह आज उत्तर बंगाल विश्वविद्यालय के पुस्तकालय विभाग द्वारा आयोजित पांच दिवसीय लाइब्रेरी ऑटोमेशन (ऑन लाइन पुस्तकालय) प्रशिक्षण कार्यक्रम समाहोद को संबोधित कर रहे थे। उन्होंने कहा कि पूरे देश के 137 विश्वविद्यालयों में इनफ्लिबनेट कार्य कर रहा है। इसमें दुनिया की लगभग सवा दो लाख किताबें, 175 विदेशी व 800 भारतीय पत्रिकाओं को नेटवर्किंग के माध्यम से जोड़ा गया है। उत्तर बंगाल विश्वविद्यालय के उपकुलपति अरुणाम

पुस्तकालयबारे प्रशिक्षण कार्यक्रम शुरु

सिलगुड़ी, 14 दिसम्बर
(नि.प्र.): उत्तर बंग विश्व पुस्तकालयको टेकोलजी स्वरूप उन्नति उतर बांग्लादेशीहरूले सहजै जलवायु सम्बन्धमा तथ्य, विभिन्न सरकारी नीति निर्धारण, विदेशमा भएका घटना इत्यादि विषयमा जानकारी राख्न कल्याणी विश्वविद्यालयका भाइस चास्लेर आलोक कुमार ब्याननीले विश्वविद्यालय कर्तृपक्षलाई अधि आउने आह्वान जनाए। उत्तर बंग विश्वविद्यालयमा आनंदेदि शुरू भएको पाँच दिने इनफ्लिबनेट रिजनल ट्रेनिंग प्रोग्राम अत लाइब्रेरी ऑटोमेशन नामक कार्यक्रमको उद्घाटन प्रोफेसर आलोक कुमार ब्याननीले गरे। यस अवसरमा उनले पश्चिम बंगालका विभिन्न कलेज व विश्वविद्यालयका अत्याधुनिक नेटवर्किंग कन्सेप्ट, लाइब्रेरीको निम्नि वेब साइट डिजाइन, डिजिटल म्यानेजमेण्ट सेस सफरवेर विषयमा प्रशिक्षण दिने छ। साथै थिउरी र प्रवातिकल दुवै प्रशिक्षण दिन्छ। आजको उद्घाटन कार्यक्रममा उत्तर बंग विश्वविद्यालयका उपकुलपति अरुणाम बसु मुख्यदाताले भने, आजको युगमा क्लास रुमभित्रको शिक्षाको कुनै विकल्प छैन, यस्ताहक यहाँका पुस्तकालयमा जलवायु सम्बन्धमा सम्पूर्ण सम्पूर्ण तथ्य पाइन्छ। केही दिनअघि यस विश्वविद्यालयका ल्यानामा 482 केबीपीएस थिउरी र अहिले बढाए 100 एमबीपीएस गरिएको छ भन्ने जानकारी उपकुलपतिले दिए।

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