INFLIBNET
NEWSLETTER

Contents

Editorial Board
Dr. Jagdish Arora
Shri Rajesh Chandrakar   (For Private Circulation Only)

INFLIBNET

Director's Desk

The JCCC, the integrated interface that provides content level-access to all the journals covered under the UGC-INFONET Digital Library Consortium as well as those subscribed in 20 Inter-Library Loan (ILL) Centres of the INFLIBNET, was well-accepted and well used by the users community in universities. The Centre is indeed grateful to our ILL Centres for collaborated and participated whole-heatedly in the resource-sharing activities using JCCC platform. A total number of records have since been requested 2361 delivered to the ILL Centres since launching of the new service.

An intensive training programme for the representatives of ILL Centres was organized at Informatics India, Bangalore by the INFLIBNET Centre in collaboration with M/s Informatics India wherein representatives from ILL Centres were imparted "hands-on" training on using the administrative interface of JCCC. The interface, besides delivering usage statistics, also facilitates tracking of documents requested by the end user and delivered by ILL Centres. Mahatma Gandhi University, Kottayam (Kerala), in association with the INFLIBNET Centre, organised a 5-days National Workshop on "Developing Digital Libraries using GNU Prints: An Open Source Software" during the period under review. Shri Maonj Kumar K, Scientist-D (CS) from INFLIBNET Centre served as a faculty to the Workshop.

The new version of SOUL Software called SOUL 2.0 was tested and evaluated by a team of 11 library and computer professionals from various universities, IITs and colleges. The software drew appreciative comments and admiration for its new features and facilities from its evaluators. The Centre has deployed six SOUL Coordinators in various parts of the country to look after the trouble shooting and support requirements of our expanding family of SOUL users. Names and contact addresses of existing SOUL Coordinators are given at page No. 8 of this newsletter.

The User's Awareness Programme is considered as lifeline for promoting use of e-resources amongst beneficiary universities. Four User's Awareness Programmes were organized during the period under report in universities at Jhansi, Trichy, Puducherry and Chennai.

The INFLIBNET Centre has entered the world of Web 2.0 and Library 2.0 with implementation of a number of interactive Web 2.0 tools as reported at Page 10. All the Web 2.0 technologies used in INFLIBNET are open source software. One of the 2.0 technologies implemented at INFLIBNET Centre is RSS Aggregation Service that facilitates RSS feeds to open on the website of the Centre for all electronic journals that are covered under the Consortium and have option for RSS feeds. Resultantly, the users, instead of importing RSS feeds into their RSS Feed Readers, can visit the INFLIBNET website and read the current contents of all the journals subscribed under the UGC-Infonet Digital Library Consortium at the INFLIBNET website itself. Besides, the Centre has also developed a toolbar that integrates with the web browser and facilitates easy access to e-resources, union databases and other important links to INFLIBNET website.

The topic on cutting-edge technology in LIS during this quarter is "RSS Feeds and its Implementation at the INFLIBNET'S Website". Shri Rajeev kumar who has developed RSS Feed Aggregation Service for the INFLIBNET website, has written the article for the benefit of LIS community. I am sure that librarians would find the article interesting and would implement this technology in their respective library websites and the user would find the RSS Feed Integration Service at INFLIBNET's website useful.

The INFLIBNET Centre in association with Consortium for Educational Communication (CEC) is organizing a "National Seminar on Open Access to Textual and Multimedia Content: Bridging the Digital Divide" on 29th-30th January, 2009 at New Delhi. More details about the National Seminar is available at www.inflibnet.ac.in or www.cec.ugc.org I cordially invite all of you to join the National Seminar at India Habitat Centre, New Delhi on 29th-30th January, 2009 and help us to evolve new services in collaboration with the CEC.

Dr. Jagdish Arora

Physical Infrastructure

The INFLIBNET Centre is currently located in the Gujarat University Campus since its inception occupying three residential blocks of the Gujarat University on lease. The Govt. of Gujarat has allotted a piece of land measuring 10,000 sq. mtrs (approx. 2.5 acres) free-of-cost to the Centre at Infocity, Gadhinagar during 2007 amidst reputed educational institutions such as NID, DAIIT and NIFT. M/s Vastu Shilpa Consultants, engaged as Architect for designing and constructing institutional building, has evolved a conceptual model of the Institutional building after detailed discussions and deliberations on activities, services and corresponding physical requirements with the staff and scientists of the Centre. The presentation on the model has been made couple of times to the scientists and staff of the INFLIBNET and UGC officials. The UGC has approved a budget of Rs. 21.75 crores for the institutional building and has approved construction of Institutional Building. For this regard, a team consisting of Sh. Rajesh Chandrakar, Scientific & Technical Officer, INFLIBNET and Sh. Soenke Hoof, M/s Vastu Shilpa Consultants, the Architect for the INFLIBNET Institutional building, visited NAAC (National and Accreditation Council), Infosys, IIIT (Indian Institute for Information Technology) and ISEC (Institute for Social and Economic Changes), Bangalore for studying their institutional buildings with a view to observe design and layouts of these institutional buildings which can be incorporated into the construction of the INFLIBNET's new building at Infocity, Gandhinagar. The appropriate observations on the institutional buildings are being incorporated in the design of the INFLIBNET building.

Conceptual Model of the INFLIBNET's Institutional Building

Resource Sharing Through JCCC

The INFLIBNET Centre is working together with university libraries to make nationwide resource sharing a reality. The INFLIBNET Centre has identified 20 university libraries as Inter-Library Loan (ILL) Centres. Access to JCCC (J-Gate Customized Content for Consortium) is made accessible to universities under the UGC-Infonet Digital Library Consortium to faciliate Inter-library loan of search articles among universities. The JCCC provides content level access to all e-resources subscribed under the UGC-Infonet Digital Library Consortium as well as content of the journals being subscribed by 22 university libraries identified as the ILL Centres. Besides providing search and browse platform for journals covered under the UGC-Infonet Digital Library Consortium and 22 ILL Centres, the JCCC platform also facilitates generation of ILL requests to the holding university. The interface is being used extensively. More than 2066 ILL requests were generated and handled since the launch of the JCCC in March 2008.

The INFLIBNET, in collaboration with Informatics, Bangalore has organised one-day training programme on practical and operational aspects of JCCC for the 22 ILL member libraries on 18th August 2008 at Informatics, Bangalore. Out of 22 ILL designated libraries, representatives from 15 universities attended the programme. The one-day training programme of JCCC was very interactive. The suggestions, feedbacks and issues raised for implementation and initiation of resource sharing among member libraries were discussed during the training programme. The ILL Centres were confirmed that all the suggestions would be incorporated to make the resource sharing a reality.

Sh. Prem Chand from INFLIBNET and Dr. Sathyanarayana from Informatics alongwith Participants from different Universities during the Training Programme on JCCC at Informatics, Bangalore

National Workshop on Developing Digital Library Using GNU E-Prints, M.G.University Library, September 16-20, 2008

The Mahatma Gandhi University, Kottayam, in association with INFLIBNET Centre, Ahmedabad organized a five-day National Workshop on Developing Digital Library using GNU E-Prints from 16th -20th September 2008 at Kottayam during the Silver jubilee celebrations of the University. The Workshop was designed to provide background knowledge of the digital library and its related concepts, hands-on experience on Linux installation and training for the installation, administration and customization of the open source digital library software GNU E-Prints. Following topics were included in the workshop:

- Overview of Digital Libraries
- Introduction to Open source software and Linux
- Installation of latest version of Red hat supported Fedora Core (Linux) OS
- Introduction to Linux Commands
- Structure of Linux and managing Linux Server
- Linux application Software
- Configuration of Proxy, Web and mail server
- Installation of E-Prints software on Linux
- E-Prints configuration, submission and customization
- Installation of E-Prints on Windows

30 participants, with library and information sciences background, attended the programme. Sh. Manoj Kumar K, Scientist-D (CS), INFLIBNET Centre and Sh. Francis Jayakant, Scientific Officer, NCSI, Bangalore, Sh. Jiby James, Lecturer, Federal Institute of Science and Technology, Angamaly and Mr. Sanjo Jose, Coordinator, Open Knowledge Society, Bangalore were the resource persons for the programme. The workshop was divided into 12 sessions including the inaugural and valedictory sessions. Dr. R Raman Nair, University Librarian and Workshop Coordinator welcomed the participants of the Workshop during inaugural sessions. Dr. K K Unuskutty Hon. Pro Vice Chancellor, Mahatma Gandhi University delivered presidential address. Dr Jancy James, Hon. Vice Chancellor, Mahatma Gandhi University inaugurated the Workshop. In her inaugural speech, she highlighted the 'celebrity and accessibility of right to knowledge' and hinted on the valuable service of the Mahatma Gandhi University Library staff. Dr. B. Ekbal, former Vice Chancellor, University of Kerala was the Chief Guest during the inaugural session of the Workshop. Dr A P Thomas, Dean and Director, School of Environmental Sciences, Mahatma Gandhi University concluded the workshop as a chief guest during valedictory session. Sh. K K Sudhakaran, Deputy Librarian, Mahatma Gandhi University Library was the Chair of the Workshop. and Sh. K K Murali, Workshop Convenor extended warm vote of thanks during the valedictory session.

Dr. Jancy James, Vice Chancellor of the M.G. University, Kottayam inaugurating the National Workshop on Developing Digital Library Using GNU E-Prints on 16th to 20th September 2008. Dr. B Ekbal, former VC of Kerala University and Sh. Manoj Kumar K from INFLIBNET are also seen.

SOUL Update

The SOUL software, developed and maintained by the INFLIBNET Centre, has more than 1658 installations across the Country till September 2008. The state-wise installations of the SOUL software is as follows:

S.No.	Name of the State	No. of Installations
1.	Andhra Pradesh	190
2.	Bihar	9
3.	Chhattisgarh	9
4.	Daman	2
5.	Delhi	15
6.	Goa	1
7.	Gujarat	387
8.	Haryana	55
9.	Himachal Pradesh	13
10.	Jammu & Kashmir	46
11.	Jharkhand	3
12.	Karnataka	25
13.	Kerala	99
14.	Madhya Pradesh	136
15.	Maharashtra	234
16.	Nepal	2
17.	North Eastern States	174
18.	Orissa	7
19.	Pondicherry	3
20.	Punjab	82
21.	Rajasthan	37
22.	Tamil Nadu	24
23.	Uttar Pradesh	31
24.	Uttaranchal	14
25.	West Bengal	60
	TOTAL...	1658

SOUL 2.0: New Version of SOUL Software

The first version of the SOUL (Software for University Libraries) was released in Chennai during CALIBER Convention in 2000. During past seven years, additional features and facilities were added to the software through software patches and utilities that were distributed to the SOUL users and were also made available through the Centre's website at http://www.inflibnet.ac.in/soul. However, with transformation in the library routines, services and collection brought about by introduction of ICT in libraries, it was imperative to bring out the new version

of the Software. The Catalogue Module of the SOUL 2.0 was released during CALIBER 2008 at the University of Allahabad on 28th June, 2008. The Catalogue Module of SOUL 2.0 is available free-of-cost and can be downloaded from the Centre's website at http://www.inflibnet.ac.in/soul/soul.html.

The Software Development Team of the Centre has now developed all the remaining modules of SOUL 2.0. The entire package was tested intensively by the internal staff. Besides, a team consisting of experts from various universities, colleges, public libraries and IIT Bombay were invited to test the new version of the SOUL software thoroughly. A five-day intensive programme for testing the new version of the software by external experts was organised from 15th to 19th September, 2008 at the INFLIBNET Centre. The following experts consisting of library and computer professionals attended the programme:

1) Sh. O.B. Bhendigeri, Library and Information Officer, Indian Institute of Technology, Bombay

2) Sh. Pratik Pandya, Lab Assistant, M.S. University of Baroda, Vadodara

3) Sh. Nilesh Joshi, Technical Assistant, M.S. University of Baroda, Vadodara

4) Ms. Balbir Kaur Khanuja, Librarian, Sarojini Naidu Govt. Girls' PG (Autonomous) College, Bhopal

5) Sh. Atul Akbari, Information Scientist, Gujarat Vidyapith, Ahmedabad

6) Sh. Dilip K. Shah, Assistant Director of Libraries, Library Department, Gujarat State, Bhavnagar

7) Sh. Rakesh Kumar Khare, Librarian, Government M.L.B. Girls' PG (Autonomous) College, Bhopal

8) Sh. Nilesh Soni, University Librarian, Saurashtra University, Rajkot

9) Ms. Nalini A. Raja, Assistant Librarian, University of Mumbai, Mumbai

10) Sh. J. Laxma Reddy, Lecturer, Nagarjuna Government College, Andhra Pradesh

11) Mr. Shivraj Thorat, Librarian, Bharati Vidyapeeth University, Institute of Management Enterpreneurship Development, Pune Enterpreneurship Development, Pune

Staff of the Centre with the Internal and Invited SOUL Testing Team

The experts, after intensive discussions and deliberations, made detailed report about the lacunae and new features and facilities that should be added to the software to make it state-of-the art software most suitable for the universities and colleges across the country. All the suggestions made by external experts have now been implemented in the software. The software is now ready for release. However, the INFLIBNET Centre would ensure that the software is

implemented in a couple of libraries and is tested in real-time environment before it is formally released.

SOUL 2.0: Key Features

Following are the key features of SOUL 2.0:

- UNICODE based multilingual support for Indian and foreign languages;

- Compliant to International Standards such as MARC21, AACR-2, MARCXML;

- Compliant to NCIP 2.0 protocol for RFID and other related applications especially for electronic surveillance and self check-out & check-in

- Client-server based architecture, user-friendly interface that does not require extensive training;

- Supports multi-platform for bibliographic database such as My SQL, MS-SQL or any other RDBMS;

- Supports cataloguing of electronic resources such as e-journals, e-books or virtually any type of material;

- Supports requirements of digital library and facilitate linking to full-text articles and other digital objects;

- Supports online copy cataloguing from MARC21 supported bibliographic databases;

- Provides default templates for data entry of different type of documents. User can also customize their own data entry templates;

- Provides freedom to users for generating reports of their choice and format along with template and query parameters;

- Supports ground-level practical requirements of the libraries such as stock verification, book bank, vigorous maintenance functions, transaction level enhanced security, etc.;

- Provides facility to send reports through e-mail, allows users to save the reports in various formats such as Word, PDF, Excel, MARCXML, etc;

- Highly versatile and user-friendly OPAC with simple and advanced search. OPAC users can export their search results in to PDF, MS Excel, and MARCXML format;

- Supports authority files of personal name, corporate body, subject headings and series name;

- Supports data exchange in format based on ISO-2709 standard;

- Provides simple budgeting system and single-window operation for all major circulation functions;

- Strong region-wise support for maintenance through regional coordinators. Strong online and offline support by e-mail, chat and through dedicated telephone line during office hours; and

- Available at an affordable cost with strong institutional support.

71st SOUL Training Programme, INFLIBNET Centre, September 1 - 5, 2008

The Centre provides regular training programmes for installation and implementation of the SOUL software. During this quarter, 71st SOUL orientation programme was organized for 19 participants drawn from the different parts of the country.

Delegates of the 71st SOUL Training Programme at INFLIBNET Centre with Teaching Faculty and Staff of the Centre

New SOUL Coordinators Appointed

To strengthen our "after-sales services" and for promoting sale of the SOUL Software, the INFLIBNET has recently appointed SOUL Coordinators for different geographical regions. The contact details of existing SOUL Coordinators are as follows:

Delhi, Uttar Pradesh and Uttaranchal states

Prof. C P Vashishth
Retired Professor of Delhi University, Delhi
Tel. No: 011 - 25774507 (off.)
011 - 27112721 (res.)
E-mail: cpv_36@yahoo.co.in

Maharashtra & Goa States

Sh. Ashok S. Sonone
Librarian, Sitabai Arts College
Civil, Akola - 444 004
Maharashtra
Mob.: 094217 55869
E-mail: asonone67@gmail.com

Mrs. Nalini A. Raja
Assistant Librarian
J.N.Library
University of Mumbai
Vidyanagari, Santacruz (E)
Mumbai 400 098, Maharashtra
Mob: 098695 61139
Email ID: nalinir99@gmail.com;
naraja@library.mu.ac.in

Madhya Pradesh & Chhattisgarh States

Sh. Rakesh Kumar Khare

Office Address:
Govt. M.L.B. Girls PG (Autonomous) College
Bhopal, Madhya Pradesh

Res. Address:
F-8/20, Char Imli
Bhopal - 462 016, Madhya Pradesh

A.P., Karnataka & Pondicherry States

Sh. J. Laxma Reddy
Lecturer in Library Science
Nagarjuna Government College (A)
Nalagonda - 508 001, Andhra Pradesh
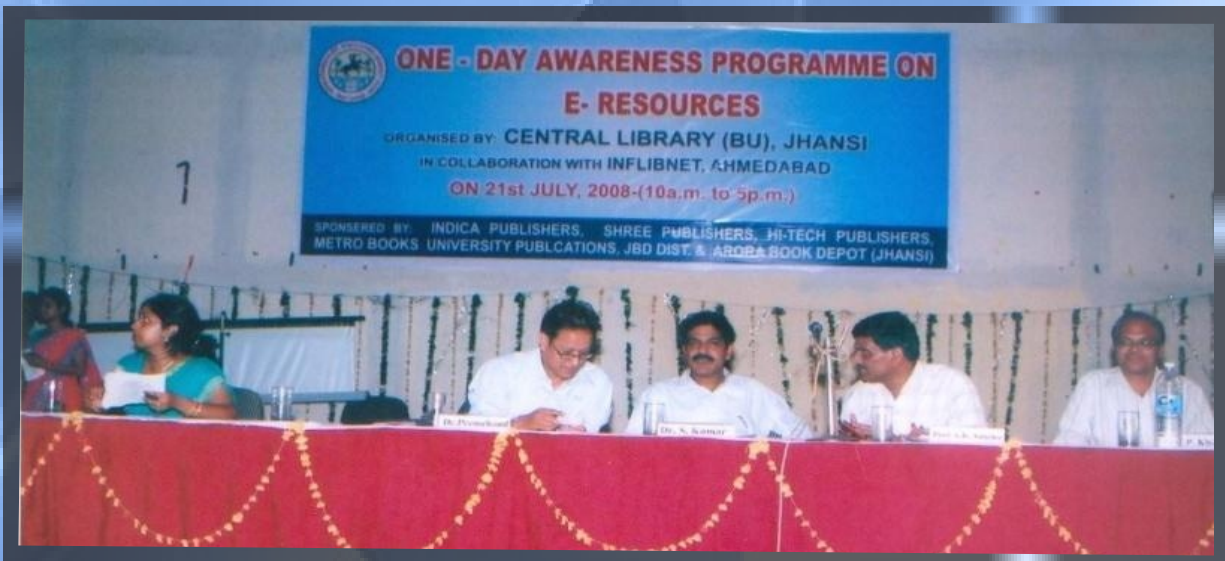Ph. No. : 099081 15333
Email: clicngc@gmail.com

Kerala & Tamil Nadu States

Sh. K. Ravindran Asari
TC 54/2125 (7) Mangarath Gardens (MGRA-36)
Pappanamcode TRIVANDRUM - 696 018, KERALA
Ph. No. : 094472 90602 (M)
Email: krasari@rediffmail.com, kasari@gmail.com

User Awareness Programmes

One-Day Awareness Programme on Access to E-Resources, Bundelkhand University, Jhansi, July 21, 2008

Central Library, Bundelkhand University, Jhansi, in collaboration with the INFLIBNET Centre organized One-Day Awareness Programme on Access to E-Resources on 21st July 2008. The programme was inaugurated by Prof. O.P. Kandari, Pro Vice Chancellor, Bundelkhand University, Jhansi. Prof. A.K. Saxena, Honorary Librarian welcomed the participants, Dr. J. Sridevi, Assistant Librarian and coordinator of the programme, gave an overview of the programme, Sh. Prem Chand, Scientist D (LS) from the INFLIBNET Centre delivered the keynote address. Dr. Shailendra Kumar, Head, Department of Library and Information Science, University of Delhi was invited to deliver a talk on "Usage of E-Resources and Designing of Multimedia E-Resources". Dr. V. P. Khare, Head, Department of Library and Information Science,

**Sh. Prem Chand from INFLIBNET Centre along with dignitaries of the
One Day Awareness Programme on E-Resources at Bundelkhand University, Jhansi**

Bundelkhand University extended a warm vote of thanks. Around 100 participants comprising of faculty, research scholars and students of the University attended the programme. The programme consisted of two technical sessions. Various publishers representing UGC-Infonet Digital Library Consortium made presentations on their e-resources accessible to the University during the technical sessions. Publishers, who made presentations during the programme were Balani InfoTech (for Project Muse, Emerald, ASC, Project Euclid), GIST (for Oxford University Press and Blackwell), Globe (for American Institute of Physics and American Physical Society), Springer, Book Marketing Services (for Institute of Physics and Royal Society of Chemistry), Cambridge University Press, and Informatics (for Annual Reviews and JCCC).

Sh. Manoj Kumar K from INFLIBNET Centre delivering lecture. Dr. Ponnai Vaikko, Vice Chancellor and Dr. Sreenivas Raghavan, University Librarian, Bharathidasan University, Dr. Sridhar, Former Librarian, Madhurai Kamaraj University are also seen

Two-Days Awareness Programme on Access to E-Resources and UGC-Infoent Digital Library Consortium, Bharathidasan University, Bharthidasan, August 1-2, 2008

The Bharathidasan University Library and the INFLIBNET Centre jointly organized two-days Awareness Programme on Access to E-Resources and UGC-Infonet Digital Library Consortium on 1st to 2nd August 2008. The programme was inaugurated by Dr. M. Ponnai Vaikko, Vice Chancellor, Bharathidasan University. Dr. S. Srinivasa Ragavan, Librarian and Head, Department of Library and Information Science, Bharathidasan University welcomed the participants. In the inaugural speech, Vice Chancellor highlighted the significance of scholarly publications and libraries in enhancing the quality of research. Sh. Manoj Kumar K, Scientist-D(CS) from the Centre delivered keynote address stressing upon the role of INFLIBNET Centre in networking and sharing the knowledge among the universities. Prof. Srimurugan, Former Librarian and Head, Department of Library and Information, Madurai Kamaraj University, Madurai also expressed his view on citation pattern of research publications. The awareness programme was divided into ten technical sessions. Following presentations were made during the sessions:

1) UGC-Infonet Digital Library Consortium: Access to E-resources at Bharathidasan University-by Sh. Manoj Kumar K, Scientist-D(CS), INFLIBNET Centre

2) Scholarly publications and its relevance in research - Prof. K.V. Krishnasamy

3) Credibility of Web Resources- by Prof. B Ramesh Babu, DLIS, University of Madras, Chennai

4) E-Resources and its Impact on E-learning by Prof. Gopinath Ganapathy, Bharathidasan University, Bharathidasan, Bharathidasan

Apart from the presentations mentioned above, publisher's representatives of the consortium from Informatics (for JCCC@Infonet), Emerald, Cambridge University Press, Springer, Oxford University Press, Taylor & Francis and Balani InfoTech made presentations on the e-resources available to the University under the Consortium. Prof. N Ramanujam, Registrar I/C of the University delivered valedictory address in the concluding session. The programme was attended by 140 research scholars, 80 faculty of University and 108 library professionals of university and affiliated colleges.

Two-Days User Awareness Programme on Use of E-Resources, Pondicherry University, Puducherry, September 25-26, 2008

Ananda Rangapillai Library, Pondicherry University, Puducherry & INFLIBNET Centre, Ahmedabad organised two-days "User Awareness Programme on Access to E-Resources" under the UGC-INFONET Digital Library Consortium on 25th & 26th September 2008. Prof. J.A.K. Tareen, Vice-Chancellor of the University inaugurated the programme and appealed to every research scholar and faculty to develop their intellectual caliber and make research an integral part of their leisure. Sh. Manoj Kumar K, Scientist D (CS), INFLIBNET briefed about the advantages of e-resource subscription through consortium to facilitate research and the return of investment. Dr. Samyuktha Ravi, University Librarian talked about the scope and coverage of the awareness programme which was followed by presentations made by fifteen international publishers. 450 participants mainly faculty, research scholars, students and librarians of the University and affiliated colleges participated in the programme. The programme was concluded with a valedictory address by Prof. A. Balasubramanian, Director, Culture & Cultural Relations.

Prof. J.A.K. Tareen, Vice Chancellor of the Pondicherry University, Inaugurating the Two Days Awareness Training Programme on Use of E-Resources

Two-Days Awareness Programme on Access to E-Resources, Chepauk & Guindy Campuses, University of Madras, Chennai, September 29-30, 2008

Two days Awareness Programme on Access to E-Resources was organized by Madras University Library in collaboration with the INFLIBNET Centre, Ahmedabad on 29th September at Chepauk Campus for Humanities and Social Sciences and on 30th September 2008 at Guindy Campus for Life Sciences and Medical Sciences. There were 321 participants including 121 research scholars, 49 M.Phil, 85 Post Graduate students, 25 faculty and 41 library professionals. Dr. R. Ambuja, Librarian I/C, Madras University Library and Convener of the Workshop welcomed the Participants and highlighted the objectives of the Workshop. Professor S. Ramachandran, Vice Chancellor of University inaugurated the programme. Dr. Jagdish Arora, Director, INFLIBNET Centre made presidential remark. Professor A. Amudhavalli, Head, Department of Information Science made a presentations on activities and services of the INFLIBNET Centre. Sh.S.Ganesan, Assistant Librarian, Madras University Library extended vote of thanks to the authorities and the participants of the programme. Representatives from various Publishers/Aggregators were invited for their make presentations on their e-resources confining it to the disciplines/subjects covered in the respective campuses. Representative from Informatics (for JCCC), Springer, Taylor & Francis, Global Information Systems Technology (For oxford University Press and Blackwell), Globe Publications(for American Institute of Physics and American Physical Society), Cambridge University Press, Balani Infotech and SciFinder Scholar made presentations on their product accessible to the University of Madras under the UGC-Infonet Digital Library Consortium. Valedictory function was organized at Chemical Sciences Auditorium, Guindy Campus on 30th September 2008. Professor M.Ranganatham,

Registrar I/C of the University was the Chief Guest of the function, Professor M.Arumugam, Convenor, Syndicate Library Committee facilitated the function and Dr. K. Kaliaperumal, Deputy Librarian, Guindy Campus Library extended vote of thanks to the participants.

Professor A. Amudhavalli, Head, Department of Information Science ,Dr. Jagdish Arora, Director, INFLIBNET Centre, Prof. S. Ramachandran, Vice Chancellor of the University of Madras and Dr. Ambuja R. Librarian I/C of the University of Madras Library

Visitors at INFLIBNET Centre

Dr. A. R. D. Prasad, Associate Professor from Documentation Research and Training Centre, Bangalore visited to the Centre during this quarter.

Web 2.0 and Library 2.0 @ INFLIBNET

The INFLIBNET Centre has entered the world of Web 2.0 and Library 2.0 with the implementation of the following interactive and collaborative technological tools. All the Web 2.0 tools used are open source software:

Instant Message

The Centre is using Google Talk for supporting users of SOUL Software. The users of SOUL Software can log on to Google chat at "soulhelp007@gmail.com" and enter into a chat session with dedicated and qualified team of processionals trained in SOUL Software for resolving their problems in a real-time mode.

RSS Feeds (http://www.inflibnet.ac.in/feed/)

The Centre has developed RSS Aggregation Service on its website targeted to users of UGC-Infonet Digital Library Consortium. The RSS Aggregation Service facilitate RSS feeds to open on the website of the Centre for all electronic journals that are covered in the Consortium and have option for RSS feeds. Resultantly, the users, instead of copying RSS feeds into their RSS

Feed Readers, can visit the INFLIBNET website and read the current contents of all the journals subscribed under the UGC-Infonet Digital Library Consortium. These RSS Feeds are arranged according to subject categories as well alphabetically. Moreover, journals covered under the RSS Feed Aggregator Services can also be searched according to the subject category as well as by words in journal titles.

Blogs (http://www.inflibnet.ac.in/blog)

The INFLIBNET Centre has recently started its blog to encourage interactions amongst users and the INFLIBNET staff. The blog is also being used for promoting activities and services of the Centre.

Wiki (http://www.inflibnet.ac.in/wiki/)

The INFLIBNET Wiki provides detailed information on its activities, functions and services. Moreover, the users of the Centre are also encouraged to contribute to the Wiki with their contents and suggestions on our services and activities.

Streaming Media and Social Network (http://www.youtube.com/inflibnet)

The Centre uses "YouTube" to upload multimedia video files. All the events held at INFLIBNET Centre are recorded and the contents are uploaded on to the You Tube for the benefit of the users.

Screenshot of the Official YouTube Channel of the INFLIBNET Centre

Application Programming Interface (API)

A new Application Programming Interface (API) has recently been developed as a front-end to interact with union databases for books, serials and theses stored in MS SQL as back-end database using Java, JSP, Servlet, Ajax technologies. The interface also facilitates universities to restrict their searches to their own collections.

Library Tool Bars

The INFLIBNET has recently developed toolbar that

facilitates easy access to e-resources, union databases, SOUL and other important links on INFLIBNET web site.

Topics on Cutting-Edge Technology in LIS

The article on RSS Feeds and its implementation at INFLIBNET's Website is a part of the series of Topics on Cutting-Edge Technology in LIS. The author of the article Shri Rajeev Kumar, Scientist-B (CS) who worked on the RSS implementation at the Centre, can be contacted at rajeev@inflibnet.ac.in. The article describes in detail about the RSS Feeds and its implementation at website of the INFLIBNET Centre especially in the area of e-resources available to the UGC-Infonet members.

In the present age of Internet and rapidly changing web technology, it is almost impossible to visit a website these days without seeing an RSS link or icons pointing to RSS resources. RSS technology is most commonly used on news sites and blogs. It is one of the important information deliver methods for new products and latest research papers in journals. Using the RSS technology, publisher can update users as soon as new content are added to a website. RSS (Really Simple Syndication) is a method of delivering web content to users. The technology, on one hand, allows a website to list the newest published updates (like table of contents of journals, new articles) using technology called XML, on other hand, it facilitates web users to keep track of new updates on chosen website(s). In technical terms, RSS is an XML-based format for content distribution. Webmasters create an RSS file in XML format containing headlines and descriptions of specific information to be distributed through RSS feeds. While the majority of RSS feeds currently contain news headlines, breaking information, RSS technology has huge potentials in future. RSS is a defined standard based on XML with specific purpose of delivering updates to web-based content. Using this standard, webmaster provide headlines and fresh content in a succinct manner. RSS Reader is a program that is used to harvest RSS feed and display content. Users use RSS Readers or RSS Aggregators to collect and monitor their desired / favourite feeds in one centralized program or location. Content viewed in the RSS Reader or RSS Aggregator is known as an RSS feed.

What is RSS?

RSS has multiple meanings, the meaning changed with evolution in technology. RSS stands for more than one thing. RSS stands for either "Really Simple Syndication", "Rich Site Summary" or "RDF Site Summary", where RDF stands for "Resource Description Framework". RDF Site Summary is the first version of RSS created in March 1999. This version became known as RSS 0.9. In July 1999, a new version RSS 0.91 was produced and renamed as

"Rich Site Summary" (RSS). A new version RSS 2.0 was released in September 2002 and RSS now stands for Really Simple Syndication.

As mentioned before, RSS is an XML format that was created to syndicate news, and be a means to deliver news content from the web to users. Wikipedia defines RSS as "a family of Web feed formats used to publish frequently updated works such as blog entries, news headlines, audio, and video in a standardized format. An RSS document (which is called a "feed," "web feed," or "channel") includes full or summarized text plus metadata such as publishing dates and authorship. Publishers use the RSS technology to deliver their contents quickly and automatically. It benefits readers as they get recent contents and updates from favorite websites and can aggregate feeds from many sites into one place".

How to Read RSS Feeds?

RSS Feeds are read using RSS Reader, variably known as Feed Reader or RSS Aggregator which is a software that can be web-based or windows-based. The user subscribes to a feed by entering the feed's URL into the Reader by clicking an RSS icon in a website that registers user for subscription. The RSS Reader checks the user's subscribed feeds regularly for new works and downloads updates that it finds and provides a user interface to monitor and read the feeds. There are many feed readers that are available with a variety of approaches and features. Some of the them are freely available, some are available for a fee. Some work with web browsers and others are limited to Windows or Linux platform. However, it is a good idea to start with a free and easy to use web-based RSS feed reader one like Google Reader and Bloglines. Some of the present web browsers have built-in RSS feed Reading facility such as Mozilla, IneternetExplorer7. In these browsers after typing the URL of the RSS Feed, one can get the feed result. Some of the widely used RSS Feed Reader for Windows platform are:

FeedReader (http://www.feedreader.com)
RSSReader (http://www.rssreader.com)
SharpReader (http://sharpreader.com)
NewzSpider (http://www.newzspider.com)
K.R.S.S. (http://krss.sourceforge.net/)
Eclipse RSS Reader
(http://morphine.sourceforge.net/presence/projects/rss/index.html)

Benefits of RSS

As the web has become more crowded, webmasters have been striving to deliver fresh and up-to-date content to their users. RSS technology can easily be utilized to deliver fresh web content to users. RSS feeds are composed in XML which is a simple mark up language ; similar to HTML, XML users tags to identify fields. The RSS feed can be easily parsed and

dynamically create web pages that contain headlines and summaries for a given site. The feeds are continuously updated by the publishers for new contents, supplying a steady stream of automatically generated fresh content. A user can quickly scan headlines or titles fetched by an RSS feed and read full-text of article(s) of interest. Because the information is condensed and provided in a single location, users can review more information in a shorter time frame. Additional information is only a click away. Moreover, readers can choose the feeds they wish to see, delete and add new feeds. The technology is a combination of pull technology and push technology, while the contents are push to the users through RSS feed, users are pulled to the contents on publisher's website.

Creating RSS Feeds

To cerate one's own RSS Feeds to be delivered through website, knowledge of XML mark-up language is required which is similar to HTML (Hyper Text Markup Language). In the next subsections, process of writing XML codes for RSS Feeds is narrated. However, there are several RSS feed creation software that do not require knowledge of XML programming.

Using XML Programming

Basics of XML

XML stands for eXtensible Markup Laungauge designed to exchange and transfer information. XML is very easy to learn. Like HTML, XML uses tags. Unlike HTML, XML tags are defined by the users. XML is a W3C Recommendation. It is just plain text. Software that can handle plain text can also handle XML.

Basic structure of an XML document is as follows :

```
<root>
    <child>
        <subchild>.....</subchild>
    </child>
</root>
```

The elements in an XML document form a tree type of structure. The tree starts at root and branches to the lowest level of the tree. All elements can have sub elements terms as child elements. The relationship between various elements of an XML document are described using the terms parent, child and siblings. Parent elements have children and children on the same level are known as siblings. All elements can have text content and attributes. Let us take an example of XML document which contains a note regarding meeting of Scientists with Director:

```
<?xml version="1.0"?>
    <note>
        <to>All Scientists</to>
        <from>Director</from>
        <heading>Meeting</heading>
```

```
      <body>Please make your presence in the
meeting to be held tomorrow with Google
representatives regarding sharing of our union
database.</body>
      </Note>
```

In the above XML program, first line is the XML declaration. It defines the XML version 1.0. The next line describes the root element, called note, of the feed. The next 4 lines describe 4 child elements of the root (to, from, heading and body) and finally the last line defines the end of the root element. Basic syntax of XML is as follows:

1. The first element must be a root element, which is the parent of all other elements.

2. Name of an XML element can contain letters, numbers and other characters, but it must not start with a number or punctuation character. Also it must not start with letters xml, XML, Xml etc, and it can not contain spaces.

3. All XML elements must have a closing tags.

4. XML tags are case-sensitive and hence opening and closing tags must be written with the same case.

5. XML elements must be properly nested, i.e. every opening tag should have closing tag.

6. Tags may contain some special property i. e. additional information about elements with associated values, which is called tag's attribute and their value. XML attributes must be quoted.

Making RSS Using XML

After learning basics for XML, now let us try to understand how to write RSS feed using above concepts. Here is the structure an RSS Feed using XML:

```
<?xml version="1.0"?>
<rss version="2.0">
<channel>
<title>The Channel Title Goes Here </title>
<description> The explanation of how the items are
related goes here </description>
<link> A Website address is given here as link</link>
<item>
<title> The Title of First Item Goes Here </title>
<description> The description of first item
goes here </description>
<link> The web link consisting the detailed of first item
goes here </link>
```

```
</item>
<item><title> The Title of Second Item Goes Here</title>
<description> The description of second item goes
here </description>
<link> The web link consisting the detailed of second
item goes here </link>
</item>
</channel>
</rss>
```

After creation of the RSS, it may be published on the web using following steps:

1. Name the RSS file with an .xml extension.

2. Upload the RSS file to the desired web directory on the web server.

Results may be seen using a RSS Reader or RSS Aggregation. Now-a-days browsers have build-in RSS reading facility.

Making RSS using Available Software

Several RSS feed creation software are available which creates RSS feeds that comply with RSS specifications. Some are free, some can be obtained on trial for few weeks and some have to be purchased. FeedForAll is one of the feed creation software which is easy to use desktop application that allows users to create and edit RSS feeds. Some other software are MyRSSCreator, FeedFire, etc. For users who only need an RSS feed for their personal website, they can use services provided by some of the most popular blog managers such as Blogger, Radio, which offer built-in RSS Services.

INFLIBNET's RSS Reader

At INFLIBNET, a unique web-based RSS Aggregator service is developed. The service is available at: http://www.inflibnet.ac.in/feed/.

Uniqueness of the INFLIBNET's RSS Aggregator service is that the users can read the content fetch by the RSS feed Reader on the INFLIBNET site itself . The RSS feeds are arranged subject-wise as well as publisher-wise. Users can see latest updates in their research area without searching related RSS links and without subscribing them to their RSS Reader. Strength of INFLIBNET's RSS Reader lies in its "My RSS" feature. A user may register him/her-self by signing up for "My RSS" followed by signing in and selection of his / her favourite RSS title. After signing the feed, registered user can see the feed and be aware about the latest research in the area of research / interest without selecting RSS title from large list of titles.

Part of the RSS service, INFLIBNET maintains a database of RSS Links of e-journals subscribed under UGC-Infonet Digital Library Consortium. User of the consortium can also see the feeds either "Subject wise" or "Publisher wise" directly from the RSS Reader at http://www.inflibnet.ac.in/feed/.

The RSS Reader at INFLIBNET Website provides feeds for following services:

INFLIBNET's News - provides feed for latest news and updates of INFLIBNETCentre at http://www.inflibnet.ac.in/feed/latestnews.xml.

Subject Wise RSS - facilitates users to make their own feed on subject of their choice.

Publisher Wise RSS - users can define their own feeds by selecting publisher of their choice.

My RSS - user can see the selected feeds stored in INFLIBNET's database. The database includes tables related to registered users and their choosen RSS titles. It provides feed add, delete and edit facilities to the users on their selection 24x7 hrs. It facilitates registration for first-time users.

All Available RSS - users have a choice to make a feed from entire RSS service available at the INFLIBNET website from the list of all RSS titles.

Technology Used

For making the RSS Aggregator service for users at the INFLIBNET Website, open source software and AJAX technologies have been used. The database is defined in open source RDBMS MySQL for storing the user registration and their feeds. Whereas PHP-AJAX is used for the interface.
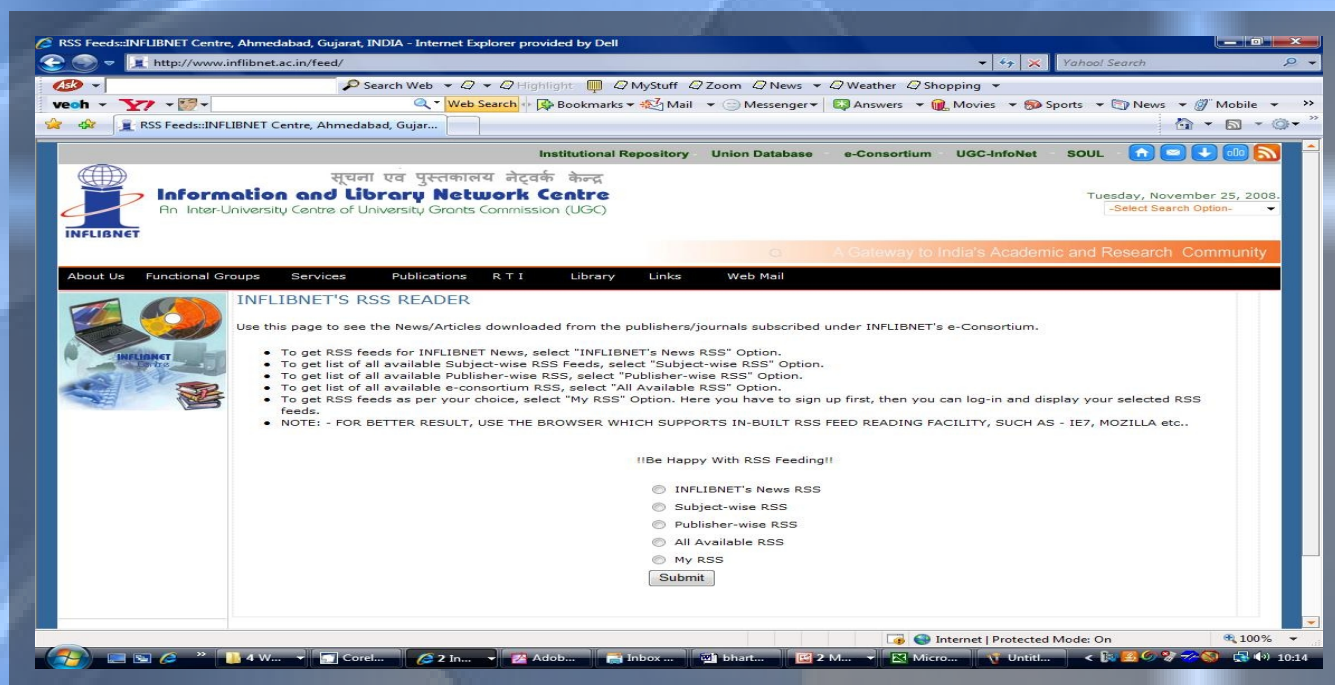
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New Appointment at the Centre

Sh Yatrik Patel joined the INFLIBNET Centre as Scientist-C (CS) on 28th July 2008. Shri Yatrik Patel is associated with the INFLIBNET Centre since 1997 as Scientific & Technical Officer (CS) and later as Scientist-B (CS) from 1999 onwards. Before joining the INFLIBNET Centre, Sh. Patel was working with M/s Cadmach Machinery, Ahmedabad as Computer Programmer. In the Centre, Sh. Patel is looking after the Software R&D Group and is associated with the Open Source R&D, Open Access Management and Web Services R&D Group of the Centre. Sh. Patel hold B.E. (Computer Science) from the M.S. University of Baroda, Vadodara in 1997. Sh. Patel can be contacted

Screenshot of the RSS Feeds - INFLIBNET Centre

at yatrik@inflibnet.ac.in. The INFLIBNET congratulates Sh. Yatrik Patel for his selection to the post of Scientist-C (CS) and wishes him all the best for his future endeavours.

Forthcoming Seminar and Conferences

Open Source Training Programme, INFLIBNET Centre, Ahmedabad, 8-12 December, 2008.

The INFLIBNET Centre will be organizing Workshop on Linux and Open Source Software at INFLIBNET Centre on 8th to 12th December 2008. Library and information professional, system and network administrators and information scientists are invited to attend the progarmme. Maximum 30 applicants will be selected on first-come-first serve basis. For more details about the workshop, kindly visit the website http://www.inflibnet.ac.in/forthcoming/linuxoss.pdf or contact to Dr. Jagdish Arora, Course Director and Director, INFLIBNET Centre, Ahmedabad on director@inflibnet.ac.in.

National Seminar on Open Access to Textual and Multimedia Content, New Delhi 29-30 Jauary , 2009.

The Consortium for Educational Communication (CEC) and INFLIBNET Centre, IUCs of the University Grants Commission (UGC), are jointly organizing a two-day National Seminar on Open Access to Textual and Multilingual Content: Bridging the Digital Divide on 29th to 30th January 2009 at India Habitat Centre, New Delhi. The sub-themes of the seminar are multimedia content development and management, multimedia communication: tools and techniques, digital preservation, metadata creation and management, open access and open source software, library consortia and IPR in digital worlds. The national seminar will have eminent invited speakers on each theme and sub-theme. For more details about the seminar, visit the website http://www.inflibnet.ac.in/seminar/index.html.

International CALIBER 2009

The INFLIBNET Centre in collaboration with Pondicherry University, Puducherry will be organizing 7th International CALIBER 2009 and 16th National CALIBER on the theme E-Contents Management: Challenges and Strategies from 25th to 27th February 2009. For more details about the convention either visit the convention website at http://www.inflibnet.ac.in/caliber2009/ or contact Sh. Prem Chand, Scientist D(LS) on premchand@inflibnet.ac.in and Sh. Ashok Kumar Rai,

Scientist D(CS) on ashok@inflibnet.ac.in The last date for submission of papers is 31st December 2008 and the last date for the registration to the convention is on 20th January 2009.

User Awareness Programme on E-Resources

The following user awareness programmes on e-resources are scheduled:

Sr.No	Name of the University	Date	Coordinator
1.	University of Kalyani, Kalyani	Dec. 4- 5, 2008	Prof. Juran Sarkhel

SOUL Training Programmes

The following SOUL orientation training programme are scheduled to be held:

Prog. No.	Date	Expected Participants
72nd SOUL Training Programme	November 17-21, 2008	20 to 30

Independence Day Celebrated

The INFLIBNET family celebrated the 62nd Independence Day of the Country in its campus. Sh. Manoj Kumar K, Scientist-D(CS) of the Centre hoisted the national flag and addressed the gathering comprising of the staff and their family members.

Staff News

Refresher Course at Gorakhpur University, Gorakhpur, August 4-6, 2008

Dr. Jagdish Arora, Director, INFLIBNET Centre inaugurated the Refresher Course sponsored by the UGC in Library and Information Science at Gorakhpur University, Gorakhpur on 4th to 6th August 2008. Extensive training on SOUL software was provided to the participants of the refresher course. **Sh. H.G. Hosamani**, Scientist-B (LS) and **Mrs. Vaishali Shah**, Scientific & Technical Officer-I (LS) from the Centre were invited for presentation on SOUL software. Total nine lectures with practical on automation of libraries using SOUL software and IT based applications and services were taken by the INFLIBNET faculty. Total 44 librarians were participated in the course. CD-Rom of SOUL Demo version were distributed to all the participants at the end of the refresher course.

घर बैठे ही मिलेगी पढ़ाई की सुविधा

● अमर उजाला ब्यूरो

झांसी। बुंदेलखंड विश्वविद्यालय में सूचना एवं लाइब्रेरी विज्ञान विभाग के तत्वावधान में आयोजित सेमिनार में डिजिटल लाइब्रेरी (पुस्तकालय) के इस्तेमाल के तरीके बताए गए। इस मौके पर वक्ताओं ने कहा कि डिजिटल लाइब्रेरी के माध्यम से घर बैठे अध्ययन करने की सुविधा मिल जाएगी।

कार्यक्रम के मुख्य अतिथि प्रो. ओ पी. कंडारी ने कहा कि संचार क्रांति ने पुस्तकालय को भी छोटे से कम्प्यूटर पर उपलब्ध करा दिया है। विशिष्ट अतिथि दिल्ली विश्वविद्यालय के डिपार्टमेंट आफ लाइब्रेरी एंड इंफारमेशन साइंस के विभागाध्यक्ष प्रो. शैलेंद्र कुमार ने कहा कि देश की सभी प्रमुख लाइब्रेरी इंटरनेट पर लोड की जा रही हैं। उन्होंने

डिजिटल लाइब्रेरी को इस्तेमाल करने के तरीके बताए

इंटरनेट लाइब्रेरी प्रयोग करने के विभिन्न तरीके भी बताए।

सूचना एवं पुस्तकालय नेटवर्क केंद्र अहमदाबाद के सदस्य डा. प्रेमचंद्र ने बताया कि देश के अधिकांश विश्वविद्यालयों में इंटरनेट सुविधा उपलब्ध हो गई है। इनको इंटरनेट के माध्यम से एक- दूसरे से जोड़ने का काम किया जा रहा है, इसलिए डिजिटल लाइब्रेरी की उपयोगिता भी दिनों दिन बढ़ती जा रही है।

इस अवसर पर कार्यवाहक कुलसचिव प्रो. एम एल मौर्या, लाइब्रेरियन प्रो. ए के सक्सेना, लाइब्रेरी साइंस विभाग के अध्यक्ष डा. वी पी खरे, संजय सिंह, प्रदीप, कमलेश, सौरभ शर्मा, अशोक दीक्षित, श्याम बिहारी, प्रमोद सचान उपस्थित रहे। संचालन डा. रामवीर सिंह व

ई-जर्नल्स के लाभों को गिनाया

झांसी : बुन्देलखण्ड विश्वविद्यालय के केन्द्रीय ग्रन्थालय के तत्वावधान में शिक्षकों व शोधार्थियों की सूचना प्राप्ति के लिए इलैक्ट्रॉनिक संसाधनों की उपयोगिता व उपलब्धता को लेकर एक दिवसीय कार्यशाला आयोजित की गई। इसमें प्रति कुलपति प्रो. ओपी कण्डारी ने शोध में ई-जर्नल्स के महत्व को बताया। दिल्ली विश्वविद्यालय के ग्रन्थालय विज्ञान के विभाग अध्यक्ष डॉ. शैलेन्द्र कुमार ने इसके प्रयोग व निर्माण के बारे में बताया। कार्यक्रम के संयोजक इनफिलबनेट अहमदाबाद के डॉ. प्रेमचन्द्र ने ई-जर्नल्स की उपयोगिता बताते हुए कहा कि यूजीसी द्वारा इस योजना पर बुन्देलखण्ड विश्वविद्यालय में प्रति वर्ष 20 लाख रुपए व्यय किया जा रहा है। प्रारम्भ में भानद ग्रन्थालयी प्रा. एके सक्सेना ने स्वागत भाषण दिया। कार्यक्रम की रूपरेखा डॉ. जे. श्रीदेवा ने बताई। संचालन डॉ. रामबीर सिंह व आभार डॉ. बीपी खरे ने व्यक्त किया।

"The Hindu" Dt. 28/09/2008

Making research scholars digital library-friendly

A two-day workshop was held at Pondicherry University

Staff Reporter

PUDUCHERRY: The Ananda Rangapillai Library of Pondicherry University and UGC INFLIBNET Centre, Ahmedabad organised a two-day UGC INFONET Digital Library Consortium User Awareness programme for faculty, research scholars and students of the University on September 25 and 26.

Inaugurating the programme, Vice-Chancellor of the University J.A.K. Tareen spoke on his vision of making the institution a world class University and appealed to every research scholar and

> ● Around 15 International publishers made presentations on enhancing search skills
>
> ● Pondicherry University ranks seventh in the usage position of e-resources

faculty to have the capability and intellectual calibre to compete with other scholars in institutions of excellence, said a press release.

He said that the ongoing project of making the campus Wi-Fi enabled would allow any student or faculty to make research an integral part of their leisure such as working on one's laptop at the canteen or on the lawns of the campus.

Mr. Tareen hoped that this sort of research culture would access of UGC-INFONET e-resources to move to at least the second or third position in the next couple of years. Manoj Kumar from UGC INFLIBNET, Ahmedabad

gave a bird's eye view of the advantages of e-resource subscription through consortia, facilitating research with the maximum return of investment for the funding author-ities, said the release.

Displaying usage statistics of e-resources by the University, he said it ranked seventh in position in comparison to over 150 Universities in the country. The University had moved from the eighth rank in 2006 to seventh in 2007 with nearly a lakh downloads of full text research articles. It had contributed about 846 research papers since 1987, with 3,926 citations at an av-

erage of 4.64 citations per ar-ticle, he added.

Pondicherry University was a member of the consortia of over 150 universities in the country for access to over 5,000 e-resources including electronic journals and electronic databases for major publishers. The UGC INFONET consortium was established three years ago. Around 15 international publishers made presentations to enhance the search skills of the information users. University Librarian R. Samyuktha presented the scope of the programme on the occasion.