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Message from Director's Desk

The rewarding and exciting experience of the recently concluded International CALIBER-2006 at Gulbarga University Campus has given encouragement to work more closely with the academics, Library Science and IT Professionals through you in upgrading the services of National Union Database of holdings and the universities to move towards WORLDCAT of OCLC (USA) which is a window to the world's Libraries. We are also happy to share encouraging response of SOUL Library Software and its acceptance in more than 1000 destinations covering all States of the country. The UGC-Infonet presence in 150 University campuses and their effective utilization of allocated Bandwidth has given us a barometric indication to support with more internet connectivity which is being worked out. Besides organizing an advanced training programme at ERNET India, New Delhi Labs, for the management of this programme, we have great sense of satisfaction in analyzing the use of scholarly academic E-Journals provided under Consortium. An attempt is made to apprise you on the above-cited prestigious activities in this issue. Towards providing models of E-journals and E-Books to colleges are still to pick-up the momentums. Our challenging role is to listen and respond to your voices and concur through a variety of formal channels. Our E-content platforms and Seminar are of great strength to our ability to conduct dialogues and exchange frank and candid views with an eye towards improving service to the users. At the outset, I take the privilege of welcoming the distinguished academician and an Economist, Prof. Sukhadeo Thorat, who has assumed the charge of Chairman, University Grants Commission and President of the **INFLIBNET** Council. On behalf of me and the Members of the family of **INFLIBNET**, we assure him to count on our support and involvement in any national task assigned to us and measure up to his expectation with innovation. We wish him a grand success in his journey.

I wish to place on record the splendid support extended by the administrative colleagues for the developmental activities navigated by the small number of scientific talent of **INFLIBNET** is commendable and all the cooperation has been a rejuvenating strength to me to steer the Centre to new heights. Our next PLANNER-2006 is scheduled during 11-12TH of November 2006 at AIZWAL in collaboration with Mizoram University, the State Government and others.

For Private Clrculation Only

April 25, 2006

Dr. T A V Murthy



CALIBER – 2006: Inauguration by Dr Arthur Smith, Director, OCLC, USA along with Dr. M D Baby, Member GB, INFLIBNET, Sh. B Ramesh, Scientist B, Sh. V Rajanna, Sh. Manoj Kumar, Scientist-D, Prof. Rahul De, Dr. T A V Murthy and Dr. R B Gadagimath.



Prof. Shashi Rai, Principal, (Member UGC) alongwith Dr. TAV Murthy, Prof. Chattopadhyay, Dr. B K Khanuja, Dr. Sanjiv Saraf Ms. Rani at Sarojini Naidu Govt. Girls PG College, Bhopal (MP).



Sh. Rajesh Chandrakar decorated with SATKAL Young Librarian Award 2005 by Shri Jagmohan. Dr. HK Kaul and Ms Sangeeta Kaul were also seen.



Large number of distinguished professionals, dignitaries gathered during a technical session of CALIBER - 2006



Dr TAV Murthy, Director, INFLIBNET giving a keynote address at Aizwal, Dr. Lalzama, Hon'ble Minister for Education seen along with Prof. Tlanglawma, VC, MZU, Prof. Prabhakhar Rath, HOD, DLIS, Dr. P R Goswamy, Director, ICSSR and Dr. S N Singh, Reader, DLIS.



DLIS, University of Delhi honouring Dr. TAV Murthy on the occasion of Seminar organized by SATKAL Trust at New Delhi. Prof. J L Sardana, Prof. (Mrs) S P Singh & Prof. C P Vashishta are also seen with others.



Prof Y.P. Dubey (Rtd) of BHU being honored by Mr. Justice S. R. Bannurmath. Prof. V.B Coutinho, VC, Dr. TAV Murthy and Dr. R B Gadagimath were present.



Prof Y.P. Dubey (Rtd), Dr. R B Gadagimath , Dr. TAV Murthy, Prof. V.B Coutinho, Mr. Justice S. R. Bannurmath, Shri V Rajanna and Prof. C R Karisiddappa during the valedictory function of CALIBER 2006.

INFLIBMET WELCOMES NEW CHAIRMAN OF UGC & PRESIDENT OF COUNCIL OF INFLIBNET , AHMEDABAD



Prof. Sukhadeo Thorat, a distinguished Professor of Economics from Jawaharlal Nehru University (JUN), was appointed as Chairman of University Grants Commission (UGC) on 6th February 2006. He was also a Council

Member of UGC. Prof. Thorat holds his M Phil and PhD degrees in Economics from JNU. He has notable contributions to research in the frontier areas of knowledge among others in agriculture development, poverty, labour studies, caste and the economic discrimination particularly labour market discrimination, economic problem of the Schedule Castes and Schedule Tribes. He is also credited with a large number of published papers on general economics, agricultural development, rural poverty and other related subjects. His some of most popular publications are "Ambdedkar's Role in Economic Planning and Water Policy", "Slum in a Metropolis" and "Industrialization, Economics Reforms and Regional Development". Director and Staff members of INFLIBNET welcome and wish him a grand success in this pivotal position to enhance the Higher Education scenario in our Country.

STAFF NEWS

Membership to NKC :

National Knowledge Commission (NKC) set up by the Prime Minister of India in 2005 to recommend and undertake reforms to make India a Knowledge based society and economy. One of the main issues covered by the NKC is access to knowledge, of which libraries are a crucial aspect. The NKC has constituted a Working Group on Libraries, where **Dr. TAV Murthy** has been nominated as a member.

SATKAL Young Librarian Award :

Shri. Rajesh Chandrakar, Scientific & Technical Officer of the Centre was awarded by the SATKAL Trust based at Chandigarh as SATKAL Young Librarian for the year 2005. Shri Jagmohan, Honorable Ex Minsiter of Culture, Govt of India has conferred the award to Shri Chandrakar during SATKAL Function held at India International Centre, New Delhi on 20th of December 2005, where a large number of professionals and academics gathered on this occasion. On this occasion Dr. TAV Murthy also read out the citation of Prof. Rajwant Singh Chilana and further acted as a panelist on "Library Services : A Myth or a Reality". Prof. P B Mangala, former Head, Department of Library and Information Science, University of Delhi chaired the session.

Mrs. Hema V. Cholin, wife of Late Dr. V S Cholin, a talented and Young Scientist of INFLIBNET Center who passed away on 12th January 2006 while in-service has been offered an appointment as Scientific & Technical Assistant - I (LS) in the Centre on Compassionate ground.

VISITS

Dr. T A V Murthy along with **Manoj Kumar** K Sci – D, Sh Umesh Gohel STA-II was invited for the 13th National Conference of Indian Colleges Forum – January 6-8, 2006 at Saurashtra University, Rajkot. The Theme of the programme was "Role of Higher Education in Development of World View and Values among Youths". This was a unique opportunity for **INFLIBN€T** to address Principals attended from different parts of the country who can be exposed to **INFLIBN€T** activities and, in particular, the programmes of UGC-infonet and E-Journal Consortium.

Director has given an over all picture of **INFLIBNET** and E-Journal Consortium and details were enumerated by Shri Manoj Kumar, Scientist D, which was supported by visual expressions and clarifications to the Principals who gathered at the forum. Principals were very much delighted to learn the UGCs programmes of extending facilities to college level through **INFLIBNET**

Dr. Murthy delivered a keynote address in the National Seminar on Electronic Publications at Mahatma Gandhi National Institute of Research and Social Action (MGNIRSA), Hyderabad on 24th March 2006. He emphasized on e-publishing, the legal aspects, digital rights management and exposure to E-consortium opportunity of UGC through **INFLIBNET**, which will usher in momentum by Indian scholars. He has also released the publication brought out on this occasion. More than 150 delegates attended the seminar assembled from across the country. Dr. K C Reddy, Chairman, APSTE and Dr. D Swaminathan were present. Dr. C K Rammaih, Professor and Director, Centre organized the programme for Information Science, MGNIRSA.

Dr. T A V Murthy has delivered a lecture on **Landscaping of Higher Education with E-Resources on Digital Learning Environment** at Department of Library and Information Sceince, University of Delhi, which was organized by SATKAL Trust and University of Delhi on 24th February 2006, which was well received by the academics. Dr. T A V Murthy has also delivered a keynote address on Library Automation Networking & Digitization in the NE Region during the workshop and training programme held at Department of Library and Information Sceince, Mizoram University, Aizwal on 27th February 2006, which was presided over by Dr. Lalzama, Honorable Minister of Higher Education of Govt. of Mizoram and other distinguished on the dais were Prof. Tlanglawma, Vice Chancellor, Mizoram University, Prof. Pravakar Rath, Head of Department of Library and Information Science, Mizoram University.

Shri. Rajesh Chandrakar, Scientific & Technical Officer attended the two days Workshop on Scientific Journal Publishing held at National Centre for Science Information, IISc, Bangalore during 10th to 11th February 2006. The workshop was based on open source the free journal management and publishing software called Open Journal Systems (OJS), which facilitates OAI-PMH indexing, developed by Public Knowledge Project, University of British Columbia & Simon Fraser University, Canada.

Shri Rajesh Chandrakar attended meeting of Management and Information Sectional Committee, MSD5 of Bureau of Indian Standards (BIS) on 17th January 2006 at Manak Bhavan, New Delhi on various agendas of the Committee. The meeting was organized by the BIS, where Shri Chandrakar has been nominated for couple of Review Panels formed for standard formalization.

Shri Prem Chand, Scientist C visited Mizoram University, Aizwal on 27th March to 31st March 2006 for finalizing the issues related to annual convention PLANNER 2006 and he has discussed the matters related to library automation. Further, he has also delivered a lecture to MLIS students of DLIS, Mizoram University during.

Shri H G Hosamani, Scientist B visited UGC, New Delhi for library automation and related activities during March 2006.

Shri K Prakash, Scientific & Technical Officer visited Karnatak University, Dharwad for his research work. During his visit, he delivered a lecture on UGC-Infonet and E-Journal Consortium in one day seminar on "Library Consortia Movement: Some Indian Initiatives" organized by Department of Library and Information Science on 24th March 2006.

Sh Manoj Kumar K, Scientist-D, represented **INFLIBNET** for the meeting of planning the National Social Science Library Network at ICSSR, New Delhi on 6th Mar 2006. The meeting was coordinated by Dr P R Goswami, Director NASSDOC and attended by the invited Librarians and Scientists from 27 ICSSR supported institutions in the country. The purpose of the meeting was to discuss consortia based subscription to electronic journals and providing the journals through a National Network connecting all the ICSSR institutions.

Shri Umesh Gohel, STA-II visited Punjab Agriculture University, Ludhiana for library automation and technical guidance during 06th to 10th March 2006.

ANNOUNCEMENTS

PLANNER 2006

Every year **INFLIBNET** organizes an annual convention for North East Region called PLANNER (Planning for Library Automation and Networking for North Eastern Region) in collaboration with different universities of the concerned region. This is the premier convention for NER. The fourth convention PLANNER 2006 will be organized by INFLIBNET Centre in collaboration with Mizoram University at Aizwal during November 9-10, 2006. Govt. of Mizoram, various Govt. Departments, Educational Institutions and R&D institutions in the State participating in this event. Professionals are very enthusiast having this programme in Aizwal for which necessary support is coming forward from the above organizations. The main theme and sub-theme are working out and can be seen from INFLIBNET website http://www.INFLIBNET .ac.in. We solicit active participation from distinguished LIS, CS, and other related professionals and academicians actually come forward to make this event grant success. Organizing committee of the Convention invites technical papers on following main theme of the convention "Digital Preservation, Management and Access to Information in the twenty first Century". To initiate the PLANNER activity, following committee has been constituted.

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Convention Date : November 9-10, 2006 Last date of paper submission : October 10, 2006

OTHER ANNOUNCEMENTS

National Institute of Fashion Technology (NIFT) has made request for conducting a training programme at **INFLIBNET** Centre for their library professionals on IT application in libraries. The programme is being taken up in the next month.

Dr. V S Cholin, one of our very distinguished young scientist has left imprint in the minds of academic and then of the country through his sincere endeavors especially in the area of UGC-INFONET E-Journal Consortium. The Centre is making hectic efforts in bridging up the gap. Shri. Prem Chand Scientist-C is looking after this division. Meanwhile efforts are made from the Centre to help the grieved family on humanitarian grounds.

Prof Parimal Trivedi has taken over as acting Vice Chancellor of Gujarat University, Amedabad from Prof A U Patel who has completed his term as VC, who was Ex-Officio Member of **INFLIGNET** Governing Board; we thank him for his support. We welcome Prof. Parimal Trivedi as our Ex-Officio Member of **INFLIBNET** Governing Board.

OCLC, Ohio (USA) to Collaborate with INFLIBNET

Amid the changing environment of librarianship the focus is on access to information rather than ownership. Library professionals have manifold responsibility to cater to the growing needs of users. Shrinking local resources and growth of resource sharing and document delivery to network environment. At this point of time the biggest player OCLC recognizing the strength and expertise of software development of **INFLIBNET** and approached the Centre for collaboration in the areas of software development and interface for exchange the data in different formats and conversion programs including open source.

In this context Dr. Arthur Smith, Director of OCLC Asia Pacific attended CALIBER-2006 to have an interaction with **INFLIBNET** and delegates. There were brainstorming session and library community expressed a feeling that **INFLIBNET** should take this opportunity to join hands with OCLC to get access to 60 millions catalogue records of WorldCat.

During the discussion with librarians of the country at CALIBER-2006, Dr. Smith said "OCLC was a community of international library with interoperable ideas, its members with US, Africa, China, and South America are looking to India in the emerging area of interoperable computing". He also said "libraries in the world are inter-dependent in exchanging research findings". Thus, they are looking forward for a meaningful and mutually beneficial collaboration.

UGC-INFONET NEWS

UGC Infonet is an ambitious programme of UGC to interlink all the Universities in the country with state-ofthe-art technology. The Network has overlaid on ERNET backbone and providing Internet and Intranet Services to the participating universities. Till date 149 universities were provided with UGC-INFONET facilities.

For monitoring the UGC-INFONET programme, INFLIBNET has streamlined the process with the help of universities by getting bandwidth utilization graphs. UGC has proposed to change the mode of payment for UGC-INFONET program, where **INFLIBNET** will pay the bandwidth charges of the universities to ERNET, India, which will be duly certified by the concerned universities. Discussion has been taken place with ERNET for advanced training programme for computer professionals relating to network security, network management, server security, protocols management etc.

Bandwidth monitoring

For finding out the allocation of bandwidth and its usage (hourly, weekly, daily) by individual universities can be accessed at <u>http://www.ugcinfonet.ernet.in</u>. In case of any difficulties contact Director, **INFLIBNET** Centre at tav@inflibnet.ac.in.

An effort was also made to maintain a comprehensive profile of database of participating universities under this programme. This facilitates the details like university information, contact persons, training programmes, date of MoU, bandwidth allocated, bandwidth up-graded with payment details.

Prof. Sayed Iqbal Hasnain, Vice Chancellor, Calicut University and his colleagues extended a warm welcome to **Dr. T A V Murthy & Shri Manoj Kumar**, Scientist-D on 20th April 2006 and had the discussion on use of UGC-Infonet E-Journal Consortium. They also sought the expert opinion of **INFLIBNET** in particular Shri Manoj Kumar for campus, Kannuar University Area Wireless Networking.

Dr. T A V Murthy met Dr. P Challatturai, Manonamonian Sundaram University, Thirunelveli (TN) besides Prof. Kantimathi of Library Science, Govt. College; faculty and staff enquire about the use of UGC-Infonet e-Journal Consortium. Dr. Murthy also had discussion with Dr. Perumal Conservative specialist of Tanjavur Sarswati Mahal Library about the digitization of palm leaf, manuscript etc. on 22nd April 2006.

INFLIBNET in Kerala Budget 2006-2007

Budget speech 2006-2007 by Minister of Finance, Sh Vakkom Purushothaman on 10th Feb'06 has given reference to **INFLIBN€T** in its para 144, page 36. The Para referes to the clause 'About 200 Colleges in the State will be linked with **INFLIBN€T**, Library scheme of UGC'.

VISITORS AT INFLIBNET

 Army Education Officers from Panchmarhi, MP consisting of 30 officers have visited INFLIBNET to acquaint with the development in library in particular to electronic resources for modernisaton and shouted their willingness to get acquainted with the culture of e-journal activities.

- A batch of 30 Library & Information students from S P University, Vallabh Vidyanagar, Anand along with their faculty had visited the Centre under education programme to see and interact with INFLIBNET scientist and experts and study the infrastructure.
- 3. Department of LIS of Gujarat University, the current academic session student and teachers visited the centre and effectively communicated with the scientist under know how the state-of-the-art technologies carried out in the domain of the R&D, Networking and E-Resources.
- 4. Academic Staff College of Gujarat University, Ahmedabad participants consisting of college lecturers of different universities of western region with different subject background have visited the centre and had hands on experience in e-resources.
- 5. Project trainees from MCA, BE (Computer Science) from different institutions and universities from different corners of the Country. They are associated in the project work, which is part of their curriculum. The project assigned was relevant to the **INFLIBNET** activities and were guided by the **INFLIBNET** Scientists.
- 6. In addition to above, following professionals, academicians and dignitaries have visited the Centre for having interaction with the INFLIBN€T

Dr. H K Kaul (Director, DELNET, New Delhi); Dr. (Mrs.) S P Singh (HOD, DLIS, University of Delhi); Dr. Shailendra Kumar (DLIS, University of Delhi); Dr. V K Anand (Librarian, Panjab University, Chandigarh); Prof. C N Rawal (HOD, DLIS, S P University, Anand); Ms Shreyas Parikh (Deputy Librarian, IIM, Ahmedabad); Dr. A K Tyagi (Scientist E, IAT, Deemed University, Pune); Dr. A A Ghatol (Vice Chancellor, Dr. Babasaheb Ambedkar Technical University, Lonere); Prof. S M Jadav (DIT, Dr. Babasaheb Ambedkar Technical University, Lonere); Smt. Nishi P. (Scientist -G NISCAIR, New Delhi) Sh. S B Patel (Librarian, MJ Library, Ahmedabad); Ashleigh Bell, Head of Journals Sales, T & F, UK. Many other students, research scholars and academician visited the Centre.

LIBRARY AUTOMATION

- Library Automation of Gujarat Universities is steadily progressing and so far half of the collection is already converted into machine-readable form.
- Based on the request from the UGC authorities, INFLIBNET has taken the responsibility to face lifting the Library on total automation and providing access

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to e-resources has been taken up for execution in phased manner. The recent publications of the **INFLIBNET** are being displayed at UGC headquarter.

- Data conversion for libraries, who have acquired SOUL software is constantly being carried out by INFLIBNET.
- Union catalogue databases are migrated from MS-SQL to Oracle 9i on HP Unix RISC Server.
- A New Unicode and MARC21 based SOUL software is developed and is under testing.

REPUBLIC DAY CELEBRATION

INFLIBNET family celebrated the 57th Republic Day of India in its campus. Dr. TAV Murthy, Director hoisted the national flag and addressed the staff and their family members. Staff members of the Centre with their family attended the function. Sh. D P Negi, Admn. Officer welcomed the gethering and Sh. Manoj Kumar also spoke on the occosion.

INTERNATIONAL CALIBER-2006 : REPORT

INFLIBNET s annual convention International CALIBER-2006, fourth in the series was held at Gulbrga University at Gulbarga during February 2-4, 2006 on the Theme **"Dynamic Interoperable Web based Information Systems".** More than 500 delegates from India and abroad attended and deliberated on the theme and about 150 research papers were presented.

The inaugural function commenced with invocation rendered by Cultural Group of V.G.Women's College, Gulbarga. Dr. Ravi Gaddagimath, Organising Secretary, CALIBER-2006 welcomed the Guests and Dignitaries and also briefed on the Convention. Dr. Arthur Smith, Director, OCLC, Ohio (USA) inaugurated the Convention by lighting the lamp. A brief prelude on CALIBER-2006 was given by Sri. K Manoj Kumar, Scientist-D of INFLIBNET. The Convention volume by Dr. Rahul De, HP Chair Professor, Indian Institute of Management, Bangalore and Souvenir by Mr. S. Rajanna, Registrar, Gulbarga University were released. Mr, Rajanna, thanked INFLIBNET for giving an opportunity to Gulbarga University, Gulbarga to host CALIBER- 2006. The apprehension that in a remote place like Gulbarga, the attendance has crossed 500, he exclaimed. He extended a warm welcome to the delegates, wished them a very fruitful and eventful participation in the Conference deliberations. Dr. De made an excellent presentation on "ICT for Development and Web-based Information Systems". Recalling his entry to the information field, he elaborated on his new role as researcher in ICT for Sustainable Economic Development and said that it has many fascinating areas that have to be investigated. He placed many issues on the agenda of ICT for Development - emphasizing what constitutes development - a holistic approach which was visualized by the Nobel Laureate Dr. Amartya Sen. Dr. TAV Murhty, Director, INFLIBNET in his Presidential address highlighted the major developments made during 2005-2006. He acknowledged the cooperation of Academic Libraries and encouragement received from UGC and the MHRD. He also pointed out the lead role played by the Government of Kerala in giving a new dimension to the journal consortium, INFONET Consortium by showing their keen interest in adding the E-Books. Dr. Arthur Smith, the Chief Guest requested the University libraries to join OCLC network.

Pre-Convention tutorial 'Building Digital Libraries using D-Space' was also organized on February 2, 2006 during 9.00 to 12.00 hrs. This tutorial was conducted by Mr. Yatrik Patel, Scientist-B, INFLIBNET, which was attended by over 50 Delegates. The tutorial content explained the working of Dspace with practical aspects of creating Web-content for Digital Library.

A Parallel session was conducted between 11.00 A.M. and 2.00 P.M. The Session began by condoling the sad demise of Dr. V S Cholin, Scientist –B,**INFLIBNET** Centre, Ahmedabad. A lecture on IPR and E-resources was delivered by Dr. J.S. Patil, Dean, Faculty of Law, Gulbarga University, Gulbarga and was most educative and informative presentation. Audio-visual presentation on 'A Message from Dr. Eugene Garfield' was made by Mr. Ajay Mehrotra, Thomson Scientific, Bangalore. A brief presentation was made on J-Gate by Mr. Venkatesan Gurunathan, Informatics (I) Ltd., Bangalore. This invited session was chaired by Prof. C.R. Karisiddappa, Karnatak University, Dharwad.

The Technical sessions commenced from February 3, 2006 under the Chairmanship of Prof. V. G. Talwar, University of Mysore, Mysore and Co-Chairman Dr. S.B. Patil. Rapporteur–General of the convention was Prof. N. Parvathamma and Co-Rapporteur was Dr. Amrut Sherikar, Gulbarga University, Gulbarga.

Theme 1 : Information Portals

This session was chaired by Prof. A. Y. Asundi (Retd.) Bangalore University, Bangalore, who was assisted by two Repporteurs Dr. Hari Narayan of University of Mysore, Mysore and Dr. B. S. Biradar of Kuvempu University, Shimoga. Presentations ranged from defining terminologies such as Portals, World Wide

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Web and Web Logs to Case Studies of Portals and discussion on the role of Librarians in web environment, User Authentication, adherence to standards available on net, Copyright issues and need for providing depth information in portals were discussed. Need for transformation of Librarians in Web environment into Information Therapist, an Educator, an Innovator and Content Manager was stressed.

Theme 2 : Information Literacy

The session was chaired by Dr. M. K. Bandi of Mangalore University, Mangalore where Dr. B. Ramesha of University of Madras, Chennai and Dr.Suresh Jange Gulbarga University, Gulbarga were acted as a Reporteurs. The possibility of libraries serving as centers for spreading Information Literacy, role of library staff, need for developing technologies and vital information tools to improve the situation in India and the need for teaching Information Literacy skills to students of higher education were discussed. Also, need to bridge the gap in imparting Information literacy between rural and urban, and among different economic strata, and various challenges in bridging this gap were discussed. It was felt that efforts have to be made at individual, institutional and governmental level to overcome these challenges. Efforts of INFLIBNET Centre in providing online access to over 4600 full-text journals through UGC-INFONET Consortia to the information deprived Research Scholars and Students in Universities in India was explained by one of the authors. Results of evaluation of the use of web-based information services in various organizations using parameters such as ability to browse, documentation, advanced search capabilities etc. were reported.

Theme 3 : Open Access and Interoperability

Dr. P. V. Konnur of Bangalore University, Bangalore was acted as a Chairman of the session and Dr. S. P. Satarkar of Swamy Ramanand Teerth Marathwada University, Nanded and Mr. Premchand of INFLIBNET Centre were acted as Rapporteurs of the Session. Concepts such as Open Access, Interoperability, access to digital repositories, types of repositories were introduced, advantages of open access to e- journals and consortia approach were discussed and comparison of concepts such as Metadata, HTML, XML, PDF and image formats, their interoperability, Z39.50, standard for Information Retrieval were made. Issues related to guality control of e-learning materials in open source era, content preparation and regular maintenance of websites were discussed. Emerging technologies such as dynamic open URL standards, Institutional Repositories, content sharing using RSS

and proposal for BALNET portal were discussed and comparative study of open source library software such as DSpace, Greenstone and Ganesha were undertaken.

Theme 4 : Semantic Web and Ontology

Chairman of this session was Dr. M. Kanakachary of CIEFL, Hyderabad and Rapporteurs were Dr. N.S. Pakhale of Indian Agricultural Institute, New Delhi and Mr. K Prakash, STO of **INFLIBNET** Centre. Latest technologies such as RFID, Wi-Fi applications in Libraries, Conceptual framework required in building a semantic web, Network architecture and several models of Information Transfer on Internet were discussed.

Resolutions and Recommendations

The Resonation noted that Information portals are the gateway for seamless information access. Library portals play a very important role in an organization in enhancing the use of information resources and facilities. Librarians have to design, develop and maintain these portals with continued content management. Thereby Library and Information Professionals are required to acquire necessary and sufficient knowledge and skills to independently manage the library portals. This also implies that Librarians need continuous training and orientation to upgrade these skills. The Resolution also noted that Library Schools, Professional Associations and Organisations like the **INFLIBNET** should take up the necessary steps in this regard to implement the proposal.

The Resolution said that the concept of Information Literacy has been receiving notable attention of Information Profession since 1990s. However, it has not received adequate emphasis to be considered as part of the curriculum. Considering the need to educate the Students, Teachers and Researchers and lay people to gain access to relevant information from variety of Information Sources including electronic media like Internet it was resolve that information literacy Information Literacy should become part and parcel of the educational curriculum at all levels, and also and integrated part of the LIS curriculum.

It was noted that UGC-Infonet Consortium of **INFLIBNET** has generated lot of interest among academic circles with respect to access to e-journal resources. However, complete utility of this service has not been achieved due to lack of adequate teaching and research faculty.

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Considering this it was resolved that the necessary steps should be taken by the UGC to enhance the tempo of research in the Universities.

Moreover the resolution also pointed out that UGCinfonet Consortium of **INFLIBNET** had been made available to 149 Universities in the Country. This facility should be extended to all the Universities and colleges in the country and in particular, to those situated in rural and remote areas.

Regarding the Doctoral theses submitted to the respective universities it was seen that these doctoral theses contained significant and rich unpublished data relating to Indian social, economic, scientific and technological developments. Thereby it was recommended that digitization of doctoral theses at the university level should be encouraged with the financial assistance from the UGC.

As seen in the case of country like India there was a problem of interoperability in sharing these resources due to the multilingual culture and availability of information resources in its regional languages.

It is necessary to support research in issues relating to multilingual interoperable systems, it was felt.

The valedictory session was held on Saturday, February 4, 2006 at 3.30 P.M and Shri Justice S. R. Bannurmath, Hon'ble Judge, High Court of Karnataka, Bangalore, the Chief Guest, delivered valedictory address. Prof. K. S. Deshpande (in absentia), Prof. S. R. Gunjal, former Librarians and Prof. Y. P. Dubey, Emeritus Professor, BHU were felicitated in the valedictory function, that was presided by Prof. V. B. Coutinho, Vice Chancellor, Gulbarga University, Gulbarga. Sri S. B. Policegoudar and Sri D.V Biradar Assistant Librarians, who have retired from university library, were felicitated. 'Building Cyber Libraries' a festschrift volume in honour of Dr. M. Sankar Reddy, Hyderabad was released by Sri S. Rajanna, Registrar. Many delegates during the feedback session expressed their great satisfaction and the manner in which the convention was organized with perfect excellence at Gulbarga University. Dr. T. A. V. Murthy in his concluding remarks thanked the delegates, Prof. V. B. Coutinho, Vice Chancellor and Dr. R. B. Gaddagimath, University Librarian, Gulbarga University for organizing the CALIBER-2006 with meticulous planned and raised the high status to international standards with record delegates registry. Dr. R.B. Gaddagimath, Organizing Secretary thanked the **INFLIBNET** Centre and all the concerned for successful organization of this mega event.

Late Dr. V. S. Cholin and Shri B. Ramesh were identified as Co-Convener and Convener for the convention, respectively, but ultimately Shri Ramesh shouldered the responsibility.

SOUL NEWS

INFLIBNET is proud to announced **SOUL software has been installed at 1000 institutions.** Statewise installations list is given below.

No.	State	No.
1	Andhra Pradesh	112
2	Arunachal Pradesh	1
3	Assam	43
4	Bihar	7
5	Chandigrah	35
6	Chhattisgarh	7
7	Daman	2
8	Delhi	13
9	Goa	1
10	Gujarat	164
11	Haryana	13
12	Himachal Pradesh	8
13	Jammu & Kashmir	8
14	Punjab	19
15	Rajasthan	25
16	Tamil Nadu	20
17	Jammu & Kashmir (UGC Programme)	30
18	Jharkhand	1
19	Karnataka	22
20	Kerala	64
21	MadhyaPradesh	107
22	Maharashtra	150
23	Manipur	3
24	Meghalaya	1
25	Mizoram	4
26	Nagaland	4
27	North Eastern Region(UGC Programme)	47
28	Orissa	6
29	Pondicherry	2
30	Uttar Pradesh	18
31	Uttaranchal	2
	Overseas (Nepal)	2
33	Miscellaneous	26
	Total	1000

SOUL Training Programmes at INFLIBNET

46th Training Programme was held during 23rd to 28th January 2006 at **INFLIBNET** Centre, Ahmedabad.26 Participants attended from Directorate of Libraries, Gujarat State, Gandhinagar.

(9)

47th Training Programme was held during 27th February to 3rd March 2006 at **INFLIBNET** Centre, Ahmedabad. 23 Participants attended the programme from across the Country. 48th Training Programmes was held during 3rd April to 7th April 2006. 26 Participants attended this programme. Shri C K Shah, Admin Officer of the Centre acted as the Course Coordinator for above both the programmes.

Computerisation of Kerala Assembly Library by SOUL S/W

Honorable Speaker of Kerala Legislative Assembly Sh. Therambil Ramakrishnan inaugurated Computerised Legislative Assembly Library on 15th Feb 2006. Library is using SOUL software developed by INFLIBNET Centre, Ahmedabad. It is the first computerised legislative assembly in the country. The modernization is done at the cost of Rs. 1.5 Lakh over a period of seven months. Hon'ble Minsiter of Education Sh. E T Muhammed Basheer, Minister of Fishries, Sh. Dominic Presentation, Former Minister and Opposition Chief Whip Sh. K Radhakrishnan, former Minister T M Jacob, Library Advisory Committe Chairman Sh. P J Joy, Secretary Kerala Legislature, Dr. MC Valsan, Librarian Sh. C S Sathikumar etc graced on the occasion. Sh. Therambil Ramakrishnan handed over a barcoded Library membership card created by SOUL s/w to Sh. K Radhakrishnan during inauguration. Dr. TAV Murthy, Director and Sh. Manoj Kumar K from INFLIBNET visited Legislative Assembly Library on 3rd week of April 2006.

National Seminar on Automation of College Libraries Through INFLIBNET at Bhopal

National Seminar on Automation of College Libraries Through INFLIBNET organized by Dept of Higher Education, Govt of Madhya Pradesh & Govt P G College BHEL Bhopal on 21-22 January 2006 in association with INFLIBNET at Barkatullah University, Bhopal. Nearly 200 participants representing different colleges located in M.P. U.P and other states have participated in teh seminar. Honerable Minister of Industry and Commerce (Former CM) Sh. Babu Lal Gaur inaugurated the seminar. In his inaugural speech Sh. Gour wanted Libraians to be equipped with latest electronic devices in order to make education more universal and effective. Networking through INFLIBNET makes educational opportunities accessible to larger section of teh people at lower cost. Dr T A V murthy in his keynote address accessed that the entire scenario of Higher Education is rapidly under going tremendous changes. Prof. M C gupata VC Rajiv Gandhi technological University, Bhopal presided over the function. Dr. Abha Gargava Principal PG College BHEL, delivered the welcome address. Dr. Prabhat Pandey proposed vote of thanks. Sh SN Joshi Charman Janbhagidari Samiti aso spoke on teh occasion.

Thematic sessions was handled by Dr T A V Murthy, Manoj Kumar K, Scientist-D, **INFLIBNET** and techinical sessions was handled by Sh M Natarajan, NISCAIR, Prof. S Kumar HOD Vikram University, Ujjain, Dr. B S Nigam HOD MLC University of Journalism Noida, Dr. Sanjeev Saraf Librarian BHU, Varanasi etc.

Three-Days Workshop at Kannur University

Dr. T A V Murthy, Director also inaugurated and had extensive discussion with the Prof. Vice Chancellor, Reigstrar, Prof. Ravindran Asari along with Shri Manoi Kumar, Scientist-D of the Centre at the Three-Day Workshop on Library Automation with special reference to SOUL during 20th to 22nd April 2006. It was jointly organised by INFLIBNET Centre and Kannur University. Prof. K Kunhikrishnan, Pro-vice chancellor, presided over the function. Dr. P. C. Ravindran, Prof. Veeramanikandan (Members of the Syndicate) Dr. Babu Anto (Dept. of IT) Kumari K.V. Lekha (Chairperson, University Union) and Mr. Manoj Kumar K. (Scientist-D, INFLIBNET) felicitated the workshop. Prof. K. Kunhikrishnan, Prof. VC, Dr. Abdur Rasheed (Registrar) and few Syndicate Members, faculty and research scholars have greatly appreciated the INFLIBNET services and requested for mapping Kannur University in the scheme soon. Prof. Abdur Rasheed, Registrar welcomed the gathering and Prof. K Ravindran Asari, Co-ordinater, INFLIBNET -SOUL Regional centre Trivandrum expressed the vote of thanks. 19 selected Librarians from Kannur University participated in the workshop.

SOUL Training Progarmme at Arul Anandar College, Madurai (TN)

Shri Rajesh Chandrakar conducted a three-day Training Programme on SOUL at Arul Anandar College, Karumathur, Madurai on 19th to 21st April 2006. The programme was organized by the College in collaboration with**INFLIBNET** Centre, Ahmedabad. Shri Chandrakar also uploaded their complete database in SOUL software after training programme and demonstrated the fully functional automated library.

Dr. T A V Murthy, Director, **INFLIBNET** Centre inaugurated the "Digitalization of Library" programme

at Arul Anandar College, Madurai on 22nd April 2006 by Checking out the books to Rev. Fr. Pushparaj, Principal, Arul Anandar College and Rev. Fr. Joseph Antony, Rector, Arul Anandar College. During the inauguration speech Dr. Murthy touched many issues of the library and ICTs especially in the rural area. He greeted to Principal and Rector of the College, who were present on the dais for their achievement being in the rural area and doing, lost of work for uplifting the higher education in the area. Dr. Murthy has also distributed the Certificate to the participants of the SOUL Training programme conducted by Shri Rajesh Chandrakar, Scientific & Technical Officer of the Centre. Principal of the College, Rev. Fr. Pushparaj during the programme on his speech declared the Arul Anandar College as a first Rural College fully automated with the SOUL software. Further, Fr. Pushparaj also committed to make the College a Knowledge Village Centre during the financial year 2006-07.

UGC-Infonet: An Overview * Dr. T A V Murthy

1. Introduction

Indian Universities constitute one of the largest higher education system in the world. With 300 universities and 16500 affiliated colleges it is a great challenge to ensure effective coordination and communication amongst 96 lakh students and 6 lakh teachers, it is a great challenge to ensure effective coordination and communication. Fast changing curricula and frequent introduction of new subjects and competitions impose a great demand on the system in general. Indian Universities need to be given the required thrust to enter the third millennium with a leading edge.

Technology is a driving force in contemporary education system. University Grants Commission has launched an ambitious programme to bring about a qualitative change in the academic infrastructure especially for higher education. Under this initiative UGC is modernizing the university campuses with state-of-the-art campus wide area networks and setting up its own nationwide communication network named UGC-Infonet, which covers 150 universities across the country.

The job of establishing and maintaining the entire network was given to ERNET India by the UGC, on turn-key basis. **INFLIBNET** Centre is playing an important role in over all implementation, execution and monitoring the prestigious largest academic network in the world from Ahmedabad. This network was dedicated to the nation by the then Honorable Prime Minister Shri Atal Bihari Bajpai on 28th December 2003.

2. Network Architecture

UGC Infonet is based on open IP platform, employing state-of-the-art technologies like IP Multicast, TCP Spoofing and other Internet tools that provide interactive education on PC or TV, enabling on-line response to queries. Open systems architecture ensures support for current and future applications. Users from Educational Institutions enjôy high data rates while accessing Intranet and Internet resources.

3. Main features of UGC-Infonet are :

- Scaleable Architecture to grow from Universities to affiliated Colleges.
- Nation-wide Terrestrial Backbone using Fiber Optic links.
- Integrated Satellite WAN supporting broadband and SCPC technology.
- Comprehensive Network Management Systems for overall monitoring of the network, down to each and every device.
- Linkage with other Academic and Research Networks all over the world.
- Security for data and virus protection using firewalls and Intrusion Detection Systems.
- Broadband Multimedia and Video Channels for Distance Learning.

4. Connectivity Options for the Universities

UGC-Infonet overlaid on ERNET Infrastructure including a nation wide terrestrial backbone and a complimentary satellite Wide Area Network (WAN). As such ERNET can provide a complete range connectivity options to the universities depending upon their location and bandwidth requirements. According to the feasibility of the network such as Digital Leased Lines, Radio Link, Satellite based VSAT Technology.

5. Network Access Center

For maximum benefits of UGC-InfoNet, the Universities should preferably set up a campus wide network and ensure uniform access all over the campus. Wherever campus LAN is not in place it is suggested that the university sets up a network access center, which is open to all students at the university. This will work on lines similar to the terminal rooms in traditional computer centers.

(11)

6. Trained Manpower

Trained manpower is one of the most critical resources for successful implementation of hightech programmes like UGC-Infonet.**INFLIBNET** has organized networked training programme at New Delhi in collaboration with ERNET, India lab to train network system managers and users of UGC-Infonet. So far 11 such training programmes were organized at New Delhi for participating universities.

7. Current Status of UGC-Infonet

UGC Infonet is a mix of terrestrial and satellite communication. About 65% universities are provided BB VSAT connectivity and the rest leased line connectivity. It is illustrated in the form of a pie chart (type of connectivity). The minimum data rate provided to universities was initially 64 kbps, which has now been increased to 256 kbps. The maximum data rate is 2 Mbps. The allocation of bandwidth to universities is illustrated in t

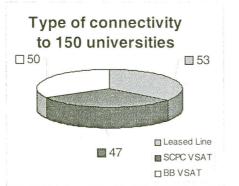


Figure 1. Type of connectivity to 150 universities

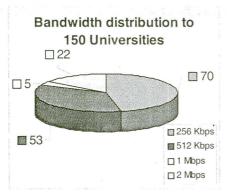


Figure 2. Bandwidth distribution to 150 universities

The present status of the UGC-Infonet is given below.

Status Summary as on Tuesday, April 25, 2006	
Agreement Signed	146
Funds Released From UGC	150
PO Received by ERNET	149

Site Survey/Link Procurement Started	0
Site Survey/Link Procurement Completed	0
Equipment Shipped	0
Installation in Progress	0
Existing ERNET Link	21
Link Commissioned	149

8. Conclusion

UGC-Infonet has become a vehicle for providing access to educational material and e-journals to Indian Universities across the Country. The emerging challenges are to meet growing demand of higher bandwidth from the Universities to make use of eeducational material, e-content development, elearning etc.

UGC-Infonet E-Journals Consortium in Nutshell * Dr. T A V Murthy

1. Introduction

The UGC-Infonet E-journals Consortium is an ambitious programme initiated by University Grants Commission to facilitate free access to scholarly electronic journals and databases in view of limited resources subscribed by majority of universities in the country. This project is our pride in the field of higher education and research, which was officially, launched on the concluding day of UGC's Golden Jubilee celebrations by His Excellency the President of India, Dr. A P J Abdul Kalam at Vigyan Bhawan on 28th December 2003 by dedicating a bouquet of e-journals to the nation.

The group of e-journals purchase through consortia yields lots of savings and results in providing access to large number of resources. It is now easy to handle publishers as they will have single contact for payment and at the same time the access can be provided in electronic form to all the members of the consortium at a much affordable cost. This has resulted in savings of more than 85-90% as compared to print subscriptions by individual universities. The group purchasing has also enabled much lower price cap every year with more access to resources as well. Thus the UGC-Infonet E-Journals Consortium is the largest in the world plays a vital role in providing better and free access to scholarly information to the desktop of faculty and students in the country. This programme is implemented, executed and maintained by INFLIBNET . This has resulted in access to more than 4600 scholarly journals to around 100 universities in a phased manner.

12)

2. Subject Coverage under UGC-Infonet E-Journals Consortium

The UGC-Infonet E-journal consortium covers all areas of learning. It further aims at covering all fields' relevance to various Universities including, Arts & Humanities, Social Sciences, Physical and Chemical Sciences, Life Sciences, Computer Science, Mathematics, Statistics etc. The overall picture shows that there has been equal distribution of journals and databases subscribed in the project having 50% collections in Science and Technology, 27% collections in Social Sciences and 23% collections in the area of Arts and Humanities. As and when more resources in Humanities are made available the access could be made possible.

3. Universities Covered under UGC-Infonet E-Journals Consortium

The UGC-Infonet effort is very systematic as it took the connectivity aspect first and provided Internet connectivity to more than 150 universities as on date and the access to E-Journals started with first 50 universities who had connectivity by January 2004 and was extended to another set of 50 universities by January 2005. This access would be provided to remaining all other universities covered under the purview of the UGC. The remaining are mostly Sanskrit universities, language universities etc and based on their actual requirement and the availability and relevance of the digital content, these universities would be covered in future.

4. Training Programmes – Workshops held

Awareness is the key for success of the programme, **INFLIBNET** conducted number of training courses, workshops and user awareness training programmes during 2004, 2005 and will continue to organize during 2006 for the success of any new initiative and **INFLIBNET** has conducted several such programs for the benefit of universities and institutions. Following programmes were arranged in the year 2004 and 2005.

- 6 Workshops on "E-Resource Management Using UGC-'Infonet" of five days each covering 96 universities.
- 58 one-day user awareness-training programmes at different universities.
- 9 STN training programmes in collaboration with Science Edge Information, Pune and the universities.
- 4 training programmes on JSTOR access in collaboration with Ford Foundation.

• 5 National Seminars at different universities with the target audience as faculty, research students, library professionals.

5. Economics of UGC-Infonet E-Journals Consortium

The UGC-Infonet E-Journals Consortium is the most ambitious initiative taken so far in the country to serve faculty and students working in the universities, which is likely to be extended to the colleges across the country as well soon. The benefit of consortiabased subscription to electronic resources is made available during 2004 to 50 universities and many other universities were given trial access and are added to the consortium during 2005. The consortium attracted the best possible price and terms of agreement from the publishers and it has been observed from the last one year that every major publisher wants to become a part of this initiative and is ready to provide the best possible economic model. The consortium provides access presently to more than 4600 electronic journals from 25 publishers and aggregators. The UGC-Infonet web site provides more details on the journals list and other features. More information may be obtained from the website http://www.inflibnet.ac.in.

5.1 Cost per download

UGC-Infonet no doubt has encouraged many faculty and research scholars to have access to scholarly collections from different publications at the same

time **INFLIBNET** Centre has made considerable efforts to provide training and awareness. There has been an attempt to understand the cost per download based on the actual usage and actual amount spent by INFLIBN€T . The cost per download for each publisher shows there is considerable usage from many publications except few publications and the cost per download works out to be much cheaper (less than 3 to 4 dolloars/article for many collections). With some publishers this was little high and there is a great need to simplify the access procedures and may workout with publishers the possible measure to improve the access and bring down the cost per download next year. An attempt has also been made here to compare the approximate cost paid by the US libraries for providing electronic access to full text collections and found that the UGC-Infonet E-Journals Consortium model is the most economic model. However, it is also early to conclude since this new culture of using of e-journal has set in the country only 24 months ago.

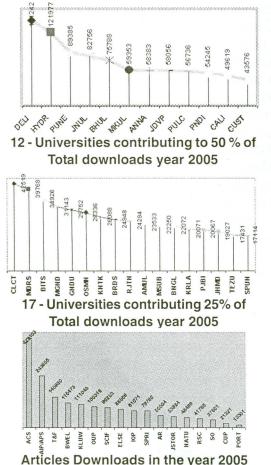
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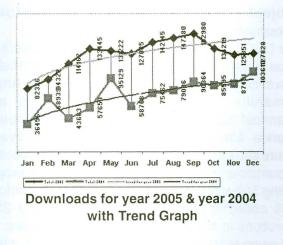
5.2 Savings

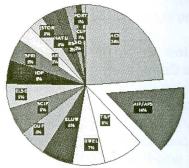
Savings under UGC-infonet is calculated in terms of difference between cost paid by the consortium for member institutions for e-resources and cost payable by individual universities in case the resources were subscribed by them on their own. That there has een cost avoidance to the national exchequer of Rs.113.20 crores in 2004 and Rs.228 crores during 2005 with overall figure of Rs.350 crores approx. considering the fact that the same resources on list price would have cost Rs.130.11 crores and 256 as against Rs.16.91 crores and 24.38 crores for the year 2004 and 2005 respectively. The numbers of journals subscribed also increased in 2005.

6. Usage statistics

Through UGC-Infonet E-Journals Consortium access has started with trail access initially and later regular access provided to large number of scholarly journals since January 2004. We make a basic assumption that broader, faster, better access with adequate training makes more use of information. Our goal through UGC-Infonet is to empower faculty and research students make the greatest use possible of an expanding access to information. An effort has been made here to study the usage statistics from different publishers and the data is analyzed in terms of the following:







Publisher wise Downloads for year 2005

7. Future Programs under UGC-Infonet E-Journals Consortium

The future programs include additions of new collections, User Awareness training programs at universities, colleges. Collect user feedback time to time and publish in the newsletter as well as on website, UGC-Infonet E-Journals Consortium – Annual Meet's during CALIBER and PLANNER and meeting of librarians from time to time.

8. Conclusion

The impact of the UGC-Infonet E-Journal Consortium extended by **INFLIBNET** (UGC) is considerable growing across the country and the strong indication are from the user community to incorporate these into the umbrella by way of including more eresources (e-journals, e-books etc) besides conducting training programmes and enhancing the bandwidth in the universities. The emerging challeges are to empower the institutions, R&D bodies and colleges to cover under the ambit of UGC-Infonet. This task can be achieved by opening an Associate membership to give coverage brought to the institution in the country.

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SOUL (SOFTWARE FOR UNIVERSITY LIBRARIES)



The SOUL Software has been Installed in 1000 plus Institutions in the country.

The SOUL, state-of-the-art library automation software is designed and developed by the **INFLIBNET**. It is user-friendly software and works under client-server environment. It is suitable for any library including university and college libraries. It has six modules viz. Acquisition, Cataloguing, Circulation, Serials Control, OPAC and Administration.

STRONG FEATURES OF SOUL

- Windows based user friendly software.
- Well-designed screens
- Logically arranged functions with extensive help messages
- Based on client server architecture
- Allows scalability to the users
- Bar coding facility
- Does not need extensive training
- Multi-user and multi language facilities
- No limit on simultaneous accesses
- Supports internationally known standards such as CCF and AACR II. MARC-21 etc.
- OPAC is very user friendly and accessible over the web using any GUI based browsers
- Available at low cost
- **INFLIBNET** is IUC of UGC. Non-profitable Organisation.
- Manual in English and Hindi language.

For further information please write to :

Dr. T A V Murthy, Director OR Shri C. K. Shah, Admn. Officer (GS)

INFLIBNET Centre,

An IUC of University Grants Commission, Post Box No. 4116, Navrangpura, Ahmedabad – 380 009. (Gujarat) Ph. 26304695 / 8528 / 5971 Fax : 26300990 / 7816 Email : tav@inflibnet.ac.in OR

ckshah@inflibnet.ac.in URL:http://www.inflibnet.ac.in



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Shri H G Hosamani and Shri Umesh Gohel with Ms Margarita Moreno, Manager, DSS, Australian National Library, Canberra.



Dr. H. K. Kaul, Director, DELNET inaugurating SOUL training programme. Dr. T A V Murthy and Shri C. K. Shah were also present.



Dr. Dominique Pignon (Seated) from Paris with the official from Embassy of France delivering a lecture on IT-Virtual World Digital Library at the Centre.



 $\mathsf{Prof.}$ V Rama Rao, CEO, MAA TV (former faculty IGNOU) delivering a talk on EDUSAT at the Centre.



Dr. T A V Murthy welcoming Prof. (Mrs.) S P Singh, HOD, DLIS, University of Delhi on the occasion of SOUL Training Programme.



Army Education Core Officers (AECO), Panchmarhi (MP) listening to the UGC-Infonet Consortium talk at the Centre.



Training Programme on installation and operations of SOUL Software held during $23^{\rm rd}-28^{\rm th}$ January 2006 at the Centre.



Training Programme on installation and operations of SOUL Software held during $27^{\rm th}$ February – $03^{\rm rd}$ March 2006 at the Centre.





Dr. T A V Murthy at INDEST Workshop and Third Annual Meeting at IIT Delhi.



Sh Manoj Kumar K Scientist-D(CS) handling thematic session on 'Automation of College Libraries through INFLIBNET' during the National Seminar at Bhopal (MP)



Dr. Murthy Inaugurating the 3 days Workshop on Library Automation in Kannur University, Kerala on 20th April 2006.



Sh Therambil Ramakrishnan, Hon'ble Speaker inaugurated Computerised Legislative Assembly Library, Kerala using SOUL Software Sh. P J Joy, Chairman Lib. Adv. Commitee, Sh. K Radhakrishnan, Opp. Chief Whip. Sh. E T Muh. Basheer, Min. for Edu. were also seen.



Hon. Minister of Industry and Commerce, Sh. Babu Lal Gaur in the National Seminar organized by Dept of Higher Edu., Govt of M.P. & Govt P G College BHEL Bhopal on 21-22 January 2006.



Dr. T A V Murthy discussing about UGC-Infonet with Prof. Syed Iqbal Hasnain, VC, Calicut University and presenting the literature on **INFLIBNET** during his Kerala visit in April 2006.



Audience view on the 3 days Workshop on Library Automation in Kannur University on 20^{th} April 2006.



Dr. T. A. V. Murthy with *Dr. D. Swaminathan, Former Planning Commission Member*

