INFLIBNET Centre

Annual Report

(April 1, 2005 - March 31, 2006)

Contents

INFLIBNET Centre

From the Director's Desk

I am pleased to present the Annual Report of the INFLIBNET (Information and Library Network) Center for the year 2005 - 2006, which highlights a variety of programmes, initiatives and achievements made by the Centre during the period under report with support and encouragement from the University Grants Commission (UGC) and all others associated with it. The period has been remarkable and eventful in reaching to all parts of the country including North Eastern States and the Nation's Capital.

In the natural life cycle of healthy organizations, there are years that stand out as truly extraordinary. The litany of accomplishments in the INFLIBNET Centre during 2005-06 suggests that this fiscal year was such an extra-ordinary year. The months were remarkable not only for the sheer volume of positive progress, but also for the fact that changes took place on so many different dimensions. The detailed reports that follow this introduction provide ample evidence of the exceptional achievements that characterized the work of the Centre and participating universities during 2005-06. Even more notable, however, was the degree to which that work represented phenomenal progress towards the strategic goals established for the Centre and participating university libraries.

A new union catalogue management system was successfully launched this year, accompanied with sufficiency of effort, angst, and aggravation. While, there a lot still to be done to truly capitalize on the full potential of the union catalog management system, the choice remains sound and the opportunities exciting. Substantial efforts were made into implementing new version of new library management system, additional information technology tools were developed to serve the networked community.

The INFLIBNET has long been noted for its ability to operate as an agile organization. Given the fact that services have always been a high priority, reorganization and realignment of resources and services are made much more easily by the dedicated team members of the Centre to suit new mission and goals assigned to the Centre. The staff of the INFLIBNET Centre and member universities are admirably motivated to collect, collate and repurpose the relevant data in their decision processes. Indeed, over the years, several constructive organizational and functional changes have taken place in participating university libraries responding to changing needs of the user's group, electronic products and services that are being introduced in libraries.

In the spirit of this tradition, a number of reviews of functioning, services and organizational structure were undertaken. Reviews initiated during the year included the UGC-Infonet

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Connectivity, Digital Library Consortium Programme, Union Database Development and SOUL Software. The review led to reconfiguration and realignment of systems and technology support. The Centre developed expertise in installation and configuration of the DSpace, an open source institutional repository software developed by the Massachusetts Institute of Technology in collaboration with HP. The D-Space initiatives at the Centre presented substantial opportunities for several libraries to collaborate formally with the INFLIBNET Centre. The papers of the CALIBER and PLANNER proceedings in digital form have been added to DSpace repository. By tracking usage statistics of the D-Space repository, INFLIBNET will be able to determine the level of interest that exists for these papers.

Needless to say that the Centre is playing a very important role in reaching young minds and academicians through initiatives such as UGC-Infonet Digital Library Consortium that facilitates access to high-quality electronic journals and databases. The regular training programmes including IRTPLA, generating awareness in use of e-resources and SOUL Software are being held at regular intervals. Multi-skilled young professionals have been inducted into the scientific cadre of the Centre in the capacity of regular and project scientists.

We have also taken up appropriate role in e-learning and e-content initiatives of UGC in collaboration with Common Wealth of Knowledge. The Centre's involvement in the All India Vice Chancellor's Meet and other national forum helped to reach out to large academic population across the country and to promotion of its activities especially those related to UGC Infonet Connectivity and Digital Library Consortium. The productivity in terms of quantum of work in all divisions has grown many folds besides, a large number of research publications at national and international levels. Reputed professional and academic bodies have started recognizing the talent by means of awards to the INFLIBNET staff. All these activities and achievements are attributed to the shrinking manpower with the utmost dedication.

I am thankful to the Chairman, Governing Body, Council Members and UGC officials for their continuing support and encouragement. I am happy to express my sincere thanks to highly devoted staff of the Centre. I am looking forward to all the continued supports and encouragements.

(T.A.V. Murthy)

0. Executive Summary

The INFLIBNET is an autonomous inter-university centre of the UGC located at the Gujarat University Campus, Ahmedabad. Major activities and services of the Centre are geared towards modernization of academic libraries and information centres, to promote information transfer and access, to support scholarship, learning and academic pursuits. The Centre acts as a nodal agency for networking of libraries and information centres in universities, institutions of higher learning and R & D institutions in India. The Centre was established as an independent autonomous Inter-University Centre of UGC in May 1996 and set out to be a major player for promoting scholarly communication among academicians and researchers across the country. Major activities of the Centre are as follows:

0.1 Automation of University Libraries

The Centre was instrumental in providing grants (initial and recurring) as a part of its activities to 142 universities identified under the programme for establishing the ICT infrastructure in the libraries through the University Grants Commission. The non-recurring grant enabled the libraries to purchase computers and network peripherals and the recurring grants helped them to initiate automation activities in their libraries. The INFLIBNET helped the libraries by providing onsite and offsite training programmes in library automation and related areas. The union catalogues of books, serials and Ph.D. theses are by-products of the Centre's initiative on automation of university libraries.

0.2. Software Development

The Centre is involved in development of software based on functional requirements, day-to-day activities and services of the Centre. Two groups of the Centre i.e. Software R&D Group and Database R&D Group are involved in the software development activities. Database R&D Group has developed software applications and utilities for activities and routines that are pre-requisites in the process of making union catalogues. These utilities and applications are:

a)   **Data Reformatting**: Facilitates reformating of fields and sub-fields of bibliographic data received from the universities so as to import it into union catalogues;

b)   **Data Exporting**: Exporting data from the SOUL Software or from Union Catalogues into any prevelant format;

c)   **Duplicate Checking**: Check duplicates within the university records; and

d)   **De-duplication**: Check duplicates in the union catalogues, delete duplicate record and add holdings details in unique record.

These applications and utilities are deployed to reformat bibliographic records of books, journals and theses received from various universities so as to merge them into the union catalogues of books, journals and theses, respectively. The Database R & D Group has also developed web-based search and browse interfaces for these union catalogues.

Keeping in view the requirements of the Integrated Library Management Software for automation of the university libraries, Software R&D Group in collaboration with the other groups of the Centre, has designed and developed a library automation software named SOUL (Software for University Libraries). The SOUL software automates all the functions of the library through its various module integrated into it. The software has especially been designed for catering the requirements of the Indian academic libraries. It is windows-based software working on client-server architecture. The software uses MS-SQL as back-end database. It adheres to the international standards for bibliographic formats such as MARC21, CCF and AACR2 for rendering of records, etc.

The software has more than 1312 installations that includes several large academic and public libraries of the country. Under the special scheme directed by the Prime Minister office (PMO) of the country, the software was installed in the colleges in Jammu & Kashmir and North Eastern States. The Centre has established region-wise SOUL Support Service Units at four different places i.e. Mumbai, Ahmedabad, Delhi and Trivendrum for providing continuous support to the users of the SOUL software.

0.3. Development of Union Databases

The development of union databases of various library resources i.e. books, journals and theses has been one of the most important activities of the Centre since its inception. In the beginning, centre funded potential universities of the country for creating bibliographic records of their library collections, the union databases available at the Centre is an outcome of the financial and logistic support offered to the universities by the Centre. The union databases mentioned below are available online through the INFLIBNET website at http://www.inflibnet.ac.in:

➤ **Books**: consists of 75,46,314 records from 142 universities.

➤ **Theses**: 1,75,206 doctoral theses submitted to Indian universities.

➤ **Serials**: 50,164 holdings information of the serials of the participating university libraries including 14,500 unique records.

➤ **Current Serials**: 13881 Journal titles currently subscribed by the participating university libraries.

➤ **Experts**: 15,000 records with profiles of the subject experts serving the universities.

➤ **NISSAT Project**: 14,000 profiles of the experts in the field of Science & Technology, the project was funded by the NISSAT, New Delhi from 2001 to 2002.

The union databases mentioned above are developed in an offline mode, i.e. universities sent their bibliographic data to the Centre periodically in a batch mode. The Centre merges such records into its union catalogue after checking their correctness, their availability in other universities, etc. Efforts are being made to do these activities in online mode.

The Database R & D Group is responsible for developing search and browse interfaces for the union databases of books, serials, theses and experts described above. These interfaces provide a visual window for users to search and browse relevant information stored in union databases and display it. While the browse interface facilitates users to explore bibliographic information stored in union databases alphabetically by subject category or by name of the university or chronologically by years, the search interface facilitates exploration of union databases by keywords, word in title, name of author or editor, etc. Most search interfaces for the union database support searching with varying degree of capabilities ranging from "simple search" to "advanced search".

0.4. Information Services Offered by the Centre

The INFLIBNET Centre offers the following major services to faculty, research scholars and departments in universities:

a) Access to Union Databases

The bibliographic and factual databases (namely, books, serials, theses and experts) developed by the Centre are hosted on the servers at INFLIBNET and accessible through web-interfaces to the academic community free of cost through the INFLIBNET website, i.e. http://www.inflibnet.ac.in.

b) CD ROM-based Search Services

The Centre subscribes to a large number of databases on CD-ROM consisting of bibliographic details of research articles mainly in the area of social sciences, arts and humanities. Services from these databases are available free-of-cost to the academic community including research scholars and students for their research activities. These CD-ROM databases have been discontinued since 2003 given the fact that e-resources are now available to universities under the purview of UGC through the UGC-Infonet Digital Library Consortium.

c) Bibliographic Databases of Books on CD-ROM

The Centre also subscribes to a number of bibliographic databases of books that are being used for authenticating bibliographic records in union catalogues. These databases are also available to visiting users.

0.5. UGC-Infonet Connectivity Programme

The technology being a driving force in the contemporary education system, the UGC has taken-up the task of networking university campuses with state-of-the-art campus-wide networks under its UGC-Infonet Connectivity Programme. The programme was launched in 2002 by Shri Atal Bihari Bajpai, the then Hon'ble Prime Minister of India to bring about a qualitative changes in the academic infrastructure, especially for higher education. The INFLIBNET Centre is responsible for executing and monitoring the entire project.

So far 149 universities distributed across the country have been provided Internet bandwidth ranging from 256 Kbps to 2 Mbps using Broadband LL / SCPC / DAMA / FTDMA / RF Open Network Architecture. The job of establishing and maintaining the entire network for the universities is being done by the ERNET India on turn-key basis as per an MoU signed between the ERNET India and the UGC. The 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 are enjoying high data rates while accessing Intranet and Internet resources.

Each participating university has signed a quadripartite agreements with UGC, INFLIBNET and ERNET. The entire project is funded by the UGC with 90% on capital investment and 100% of recurring bandwidth charges. A Joint Technical Tariff Committee (JTTC), renamed as Central Connectivity Monitoring Committee (CCMC) consisting of leading experts in the country was set up to guide and monitor the design, implementation and operations of the project. The INFLIBNET plays an important role in monitoring and liaisoning between ERNET and the universities. The ERNET, in collaboration with the INFLIBNET, imparts training to network and system administrators of universities for managing the campus networks and equipment.

0.6. UGC-Infonet Digital Library Consortium

The UGC-Infonet Digital Library Consortium was formally launched in December, 2003 by Honourable Dr. A P J Abdul Kalam, the then President of India, soon after providing the Internet connectivity to the universities in the year 2003 under the UGC-Infonet programme described above. The Consortium proved to be a recipe to university libraries which have been discontinuing subscription of scholarly journals because of "Serials Crisis". The term "serials crisis" refers to exponential and continuing increase in subscription cost of scholarly journals. The crisis is a result of rise in cost of journals much faster than the rate of inflation, increase in number of journals and the paucity of funds available to the university libraries.

The Consortium provides current as well as archival access to more than 4,500 core and peer-reviewed journals and nine bibliographic databases from 23 publishers and aggregators in different disciplines. The programme has been implemented in a phased manner. In the first phase that began in 2004, access to e-resources was provided to 50 universities who had Internet connectivity under the UGC-Infonet Connectivity programme of the UGC. In the second phase, 50 more universities were added to the programme in the year 2005. These e-resources cover almost all subject disciplines including arts, humanities, social sciences, physical sciences, chemical sciences, life sciences, computer sciences, mathematics and statistics, etc. The programme is wholly funded by the UGC and executed by the INFLIBNET Centre.

0.6.1. Access to E-Resources for Walk-in Users

The Centre has 15 Internet-enabled PCs dedicated for the use of students and researchers who can come and use these PCs for accessing electronic resources being subscribed under the UGC-Infonet Digital Library Consortium. The license agreements signed with the publishers provide access of e-resources to "walk-in" users. Students from Gujarat University, its affiliated colleges as well as students from the near by universities and colleges get benefit from this service.

0.7. Human Resource Development

The human resource development in library, information science and technology is one of the major activities of the Centre. The Centre organizes workshops, training programmes, seminars and conventions across the country through out the year for generating awareness about current trends in library and information science and for imparting training in new information technology applicable in libraries. Twenty training courses of four-weeks duration each and seven workshops of one-week duration each for library professionals have been conducted between 1995 and 2001 with a focus on implementing and managing automation and networking of the libraries.

A series of training programmes called IRTPLA (INFLIBNET Regional Training Programme on Library Automation) were organized at different locations across the country in collaboration with universities for training library professionals from college and university libraries with emphasis on regional languages. So far more than fifty such IRTPLA have been conducted across the country between 2003 and 2006. More than 1000 professionals benefited with IRTPLA programme.

Keeping abreast with the technological advancement, the Centre has also conducted specialized workshops and training programmes on website design, development and hosting,

network configuration and its management. Training programmes were also conducted to generate awareness about e-resources and their use and management under the UGC-Infonet Digital Library Consortium. Five national seminars of two-days duration were organized on the UGC-Infonet Internet connectivity and its management. These seminars benefited more than 1,000 faculty, research scholars and students in the collaborating universities. In view of the requirements of Hindi speaking states, workshop on library automation in Hindi was also organized. Training programmes and workshops are on-going activities of the Centre, and is being organized regularly on requirement basis.

0.8. National Conventions

CALIBER (Convention on Automation of Libraries in Education and Research Institutions), a national convention of the Centre, provides platform for interactions on the theme set for the convention including crucial issues of mutual interest to the library and IT professionals of the country. Thirteen such conventions were held on various themes every year at different locations. The CALIBER 2006 was organized by the Gulbarga University, Gulbarga from 2nd to 4th February 2006. The topic of the convention was "**Dynamic Interoperable Web based Information Systems**". CALIBER-2007 will be hosted by the Punjab University, Chandigarh.

The education institutions of the Northeastern states are getting special attention of the INFLIBNET Centre as per the directives of the Govt. of India. Two-days annual Convention called PLANNER (Promotion of Library Automation and Networking in North Eastern Region) is one of such activities that INFLIBNET organizes in collaboration with the universities of the region every year. The PLANNER 2005, third in the series, was held at Assam University, Silchar during 10 - 11 November 2005. The theme of the convention was "**Digital Collection Development and E-Journal Management in Libraries**".

1. Introduction

The Information and Library Network (INFLIBNET) is an autonomous Inter-University Centre (IUC) of the University Grants Commission (UGC) located at the Gujarat University Campus, Ahmedabad. Major activities and services of the Centre are geared towards modernization of academic libraries and information centres, to promote information transfer and access, to support scholarship, learning and academic pursuits. The Centre acts as a nodal agency for networking of libraries and information centres in universities, institutions of higher learning and R & D institutions in India. The Centre was established as an independent autonomous Inter-University Centre (IUC) of UGC in May 1996 and set out to be a major player for promoting scholarly communication among academicians and researchers across the country.

The technology being a driving force in the contemporary education system, the UGC had taken-up two major initiatives for academic community in universties under its purview. The first intitiative, namely "UGC-Infonet Connectivity Programme" provides for networking of university campuses with state-of-the-art campus wide networks and Internet bandwidth, the second inititative called the "UGC-Infonet Digital Library Consortium" provides access to selected scholarly electronic journals and databases in different disciplines. The INFLIBNET is responsible for execution and monitoring of both the initiatives.

2. Objectives

The objectives of the Centre are as follows:

a) To promote and establish communication facilitates to improve capability in information transfer and access that provide support to scholarship, learning, research and academic pursuits through cooperation and involvement of concerned agencies;

b) To establish information and library network - a computer communication network for linking libraries and information centres in universities, deemed to be universities, colleges, UGC information centres, institutions of national importance and R&D institutions, etc. avoiding duplication of efforts;

    i)   to promote and implement computerization of operations and services in the libraries and information centres of the country, following a uniform standard;

    ii) to evolve standards and uniform guidelines in techniques, methods, procedures, computer hardware and software, services and promote their adoption in actual practice by all libraries, in order to facilitate pooling, sharing and exchange of information towards optimal use of resources and facilities;

    iii) to evolve a national network interconnecting various libraries and information centres in the country and to improve capability in information handling and service;

iv) to provide reliable access to document collection of libraries by creating on-line union catalogue of serials, theses/ dissertations, books, monographs and non-book materials (manuscripts, audio-visuals, computer data, multimedia, etc.) in various libraries in India;

v) to provide access to bibliographic information sources with citations, abstracts, etc. through indigenously created databases of the Sectoral Information Centres of NISSAT, UGC Information Centres, City Networks and such others and by establishing gateways for on-line accessing of national and international databases held by the national and international information networks and centres respectively;

vi) to develop new methods and techniques for archiving of valuable information available as manuscripts and information documents in difference Indian languages, in the form of digital images using high density storage media;

vii) to optimize information resource utilization through shared cataloguing, inter-library loan service, catalogue production, collection development and thus avoiding duplication in acquisition to the extent possible;

viii) to enable the users dispersed all over the country, irrespective of location and distance, to have access to information regarding serials, theses/dissertation, books, monographic and non-book materials by locating the sources wherever available and to obtain it through the facilities of the INFLIBNET and union catalogues of documents;

ix) to create databases of projects, institutions, specialists, etc. for providing online information services;

x) to encourage co-operation among libraries, documentation centres and information centres in the country, so that the resources can be pooled for the benefit of helping the weaker resource centres by stronger ones; and

xi) to train and develop human resources in the field of computerized library operations and networking to establish, manage and sustain INFLIBNET.

c) To facilitate academic communication amongst scientists, engineers, social scientists, academicians, faculty, researchers and students through electronic mail, file transfer, computer/audio/video conferencing, etc;

d) To undertake system design and studies in the field of communications, computer networking, information handling and data management;

e) To establish appropriate control and monitoring system for the communication network and organize maintenance;

f) To collaborate with institutions, libraries, information centres and other organizations in India and abroad in the field relevant to the objectives of the Centre;

g) To promote R&D and develop necessary facilities and to create technical positions for realizing the objectives of the Centre;

h) To generate revenue by providing consultancies and information services; and

i) To do all other such things as may be necessary, incidental or conducive to the attainment of all or any of the above mentioned objectives.

3. Physical Infrastructure

The INFLIBNET Centre is located at the Gujarat University Campus since 1992. Three buildings of residential blocks of the Gujarat University have been hired on lease for accommodating INFLIBNET offices and laboratories.

The Centre has requested the Govt. of Gujarat to allocate land for constructing its permanent building in Gadhinagar.

4. Governance

The Centre is governed by its Governing Board and Governing Council. The Finance Committee, a sub-committee of the Governing Board, looks after the financial aspects of the Centre. Constitution and major responsibilities of these three committees are described below:

4.1. Governing Council

Governing Council is the apex body of the Centre chaired by its President, ex-officio Chairman of the UGC. The Council has 7 ex-officio members and three nominated members. The members of the Governing Board are also members of the Council, as such total number of the members of the Council is 21. The nominated members of the Council serve for a term of 3 years. The Director, INFLIBNET is the Member-Secretary of the Council. The Council meets once in a year. The present members of the governing council are listed in Appendix I.

4.2. Governing Board

Governing Board (GB) manages, administers, directs and controls the affairs of the Centre as per Rules and Bye-laws of the Centre. The Governing Board is headed by a Chairperson, who is an eminent academician in the areas of relevance to the Centre and is appointed by the President of the Council. The Governing Board has 6 ex-officio members and 7 nominated members who are nominated by the Chairman, UGC. The Director, INFLIBNET is the Member-Secretary of the Board. It meets at least two times a year. The current members of the Governing Board are listed in Appendix II.

4.3. Finance Committee

The Finance Committee (FC) is a sub-committee of the Governing Board and consists of 8 members. It has 6 ex-officio members and 2 nominated members. The Chairman of the Governing Board is the Chairman of the Finance Committee also. The Administrative / Accounts Officer of the Centre is the Non-member Secretary of the Finance Committee. The Finance Committee makes recommendations to the Governing Board on i) Budget proposals of the Centre; ii) Scrutiny of the Audited Accounts and replies to the annual Audited Report; iii) Approval of sanctioned and additional positions; and iv) any other matter on which the Governing Board seeks its recommendations. The Finance Committee meets at least once a year. The minutes of the Finance Committee, after approval by the Governing Board are forwarded to the UGC for examination, approval and release of grants to the Centre. The members of the current Finance Committee are listed in Appendix III.

5. Human Resources

The Centre employs personnel with qualifications in computer science and library & information science to achieve its defined objectives. A list of technical, administrative and supporting staff of the Centre is given in Appendix IV.

6. Scientific and Technical Activities

Major scientific and technical activities of the Centre are as follows:

6.1. Automation of University Libraries

Realising the importance of this basic necessity, the Centre, through University Grants Commission, has provided grants (initial and recurring) to 142 universities identified under the programme. The non-recurring grant enabled the university libraries to purchase computers and peripherals and the recurring grants provided for the first five years after the installation of systems helped in automating library operations. With this, the INFLIBNET has been able to create an Information Technology (IT) conscious environment in the university libraries.

6.2. Software Research and Development

In order to support library automation across the country under the UGC setup, the INFLIBNET has created powerful "Software Research & Development Group" for developing suitable library management software and to provide support and solutions to all other related activities both at national and centre level. In the initial stages, attempts were made to induce automation culture in the libraries by using ILMS and CDS/ISIS software with customized patches supplied to libraries for database creation.

Under the Software R & D Group, the centre promoes open source digital archival solutions like "Green Stone Digital Library" and "D-Space". One such remarkable result of this effort has been made available on http://dspace.infilbnet.ac.in as INFLIBNET's digital repository available globaly for free.

6.3. SOUL Software

On demand from university libraries, and in order to provide further boost to the library automation, the SOUL software was designed and developed based on the experience gained over the years with the use of ILMS and CDS ISIS software. The first version of SOUL was released in 2000. This software works in client / server mode in Windows environment using MS-SQL server as back-end database. The software supports web-based access to OPAC and barcode technology to generate labels. In the last few years, two updates of the software have been released based on user requirements and functional enhancements. This software adheres to the international standards like CCF, AACR2, MARC 21, ISO 2709 and has been well acknowledged by professional experts including Library of Congress Office, New Delhi. Evaluation, testing and openness to recent developments are some of the important features of the SOUL Software. The software is very economical as it is developed and distributed by the INFLIBNET centre, a non-profit organization, and the features of the software suit to any type of library. The INFLIBNET has also established SOUL Service Centres at four different places, i.e. Mumbai, Ahmedabad, Delhi and Trivendrum for serving the respective users of neighbouring states. Many more such service Centres are likely to be established for supporting and promoting SOUL activities.

The pains and efforts of interdisciplinary group of scientists and their talent are involved in the pursuit of the SOUL software have attracted acceptability within academic, government and private sector accross the country. As on date we have installed SOUL at over 700 locations and huge demands are in pipeline. The SOUL software is being distributed to colleges of Jammu and Kashmir and North Eastern States.

This group is handicapped due to insufficient manpower and finding difficulty in coping up with the after-sale support and new developments. Although, this group is constrained with the workload, inspite, has managed the developmental activities by engaging the BE, MCA, B.Tech, M.Tech. students under their project work. The Centre has engaged four retired librarians as "SOUL Co-ordinators" with minimum support for catering to the operational needs of the member libraries accross the country. The new version of the SOUL software having latest features will be released in near future.

6.4. Human Resource Development and Consultancy

Training of manpower working in the university and college libraries in the use of IT is an important objective of the INFLIBNET and has been given due priority. Twenty training courses of four-week duration for operational staff and seven workshops of one-week duration for senior library staff working in the university libraries, focusing on the managing automation and networking, have been conducted so far.

The INFLIBNET's Regional Training Programme on Library Automation (IRTPLA), a new series of training programmes are conducted at different locations in collaboration with universities across the country to train library professionals from college and university libraries at regional level with emphasis on regional languages. More than fifty IRTPLA training programmes have been conducted across the country so far. More than 1100 college library professionals have been trained under these training programmes.

Due to the technological advancement, the Centre has conducted specialized workshops on Website Designing and Hosting, Network Configuration and Management, E-Resource Management in using UGC-Infonet Digital Library Consortium, Orientation programme on awareness of access to e-resources. All programmes have received good response from professionals and there is a heavy demand for conducting such special kind of training programmes / workshops on regular basis. Similarly various types of training courses are conducted from time to time to suit the requirements of the professionals. The Centre has conducted workshops on Library Automation in Hindi for the benefit of Hindi speaking states in the country.

Apart from these courses, several other collaborative training programmes were conducted for All India Radio Libraries, ICSSR/ NASSDOC, ICAR-NATP and Kendriya Vidyalayas Sanghatan School Libraries. The Centre has also conducted collaborative training/workshops on Digital Library using D-space at Osmania University, Hyderabad, Birla Institute of Technology, Pilani and Aligarh Muslim University, Aligarh.

The Centre has conducted five National Seminars of two days duration on UGC-Infonet and E-Resources in collaboration with universities for the benefit of faculties, research scholars and students. More than 1000 participants benefited from these seminars.

The Centre also conducts every year the national convention viz. CALIBER (Convention on Automation of Libraries in Education and Research Institutions) which helps the library and IT professionals to interact with each other and discuss the burning issues of mutual benefit. Thirteen such conventions have been organized on various topics on interest of profession. This event has got an international status and this year the event was held at Gulbarga University, Gulbarga on 2nd to 4th February 2006.

Though all the libraries in north eastern states have also been covered under INFLIBNET programme. However, in order to provide special attention to the problems and issues of these states, the centre has started conducting a two-days annual programme called PLANNER (Promotion of Library Automation and Networking in North Eastern Region) for the benefit of north eastern region libraries. PLANNER-2006, fourth in the series, will be held at Mizoram University, Aizwal on 9th to 10th November 2006.

6.5. Development of Union Databases

Development of union databases is one of the major activities of the Centre. The Centre had taken initiatives of building union catalogue of documents available at academic libraries in India, which contains bibliographic description of holdings information for Books, Serials and Theses in all subjects areas. The INFLIBNET's union databases consist of records from multiple sources and formats received from memer libraries are incorporated in to a single database. Recently, platform of entire databases hase been changed and configured with new web based search engine. The main feature of the new tool is that the integration of different databases is on one server, which contains about 76 lakh unique records of books, 1,72,000 of Theses and over 14,500 unique titles of serials with 54,500 holdings information.

The Centre has developed the following databases that are updated on regular basis:

➤ **Books**: Represents holdings of participant libraries under the programme

➤ **Theses**: Doctoral theses submitted to various Indian universities till date

➤ **Serial Holdings**: Holdings information of various university libraries about the serial

➤ **Current Serials**: Currently subscribed journals by the universities

➤ **Secondary Serials / CD-ROMs**: Holdings information of the universities

➤ **DDC Serials**: Currently subscribed journals by the six universities identified as DDC (Document delivery Centres)

➤ **Experts**: Useful data about specialists in various disciplines

➤ **Research Projects**: Information about ongoing projects

➤ **NISSAT Project**: Experts Database (Science & Technology)

6.5.1. Books Database

The Centre has its own interface for providing web-based access to its Union Catalogues of Books, Theses and Serials since 1998. The search engine using PERL Language with CGI Gateway was developed in-house. With tremendous growth of number of records in union

databases, it was decided to design a new system for hosting the databases and related activities. The new system has the following three components:

a) Data Warehouse

Uploading records of contributing university libraries to the server was a difficult task, the process was tedious and time consuming. New tool, namely ETL (Extract, Transform, and Load), is being used that allows smooth and speedy loading of huge authenticated data to the main database server.

b) Enterprise Application Integration

The six different databases at INFLIBNET had six different search interfaces. Requirement to integrate all of them into a single interface was being felt for sometime. Reusability and inter-operability of object, better performance through connection-pooling, web-based application management console, platform independent application, etc. were the major requirements for it. J2EE as a basic platform was used for developing the new search engine and WebLogic Application Server as Middleware, which uses EJB, Servlets, JavaMail, JDBC 2.0 and Type 4 Pure Java Driver to Connect RDBMS Server.
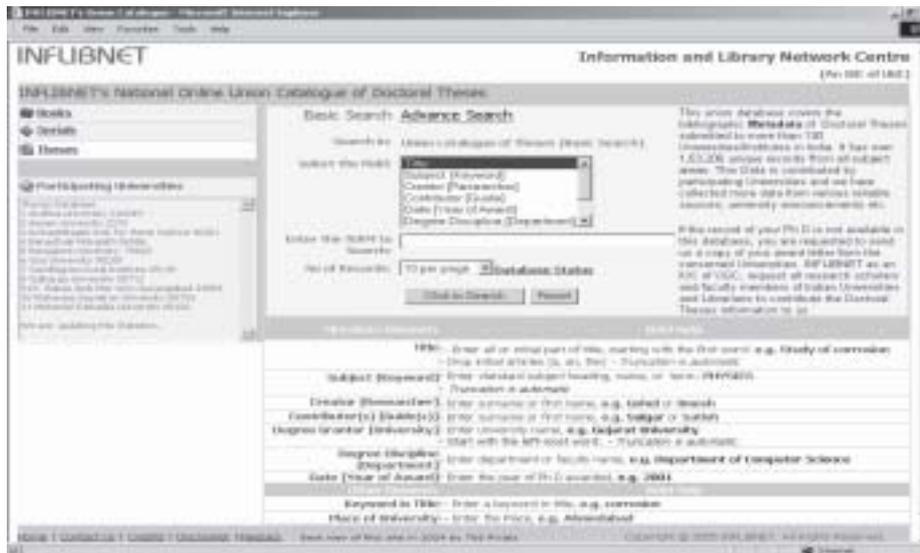
Screen shot of Main Menu of Database Search Interface

c) Client Requirements and Usability

New Interface design includes lots of information along with Search Form and User's Result set. Client-side validation is required to control unusual traffic. More user friendly is the key feature of the new web interface. Some other important features of the interface is as follows:

➤ Integrated search across 6 databases

➤ Generate ILL request from the web

➤ Feedback form for tracking the error in the records

➤ Efficiency in the search term with user friendly help messages

➤ Provision for advanced Search

➤ Navigation of records with various display formats

➤ Various access points

Apart from bibliographic databases, the INFLIBNET has also developed databases of Experts with 15,000 records and Research Projects with 10,000 records.

6.5.2. Serials Holdings

This union database of serial holdings covers the bibliographic records of serials available in more than 112 University / Institute libraries. It has over 14,500 unique titles with 50,164 holdings details. Serials, learned journals, periodicals classified under the serial collection by the universities are covered in this database. Minimum bibliographic information along with holdings details and university name is provided for each record.

6.5.3. Current Serials

Union database of current serials is one of the major databases developed by the Centre covering 13,881 unique titles subscribed by more than 200 university / institute libraries. This database provides the listing of titles with brief bibliographic information along with the library name. Titles classified under the serial are covered in this database.

6.5.4. Secondary Serials

Union database of Secondary Serials is yet another database started since 1999. This database covers 837 unique titles subscribed by more than 125 university / institute libraries. This database provides the listing of titles with brief bibliographic information along with the library name. The titles treated as Secondary Serials viz. abstracting, indexing etc are covered in this database. Some of the titles available on CD-ROM or floppy Diskette are also covered in this database.

6.5.5. DDC Serials

Union database of current serials of six universities is a new database created and hosted since 2000. The database covers 3790 unique titles of current serials received in the following Document Delivery Centres (DDC) :

1. Benaras Hindu University, Varanasi

2. University of Hyderabad, Hyderabad
3. Indian Institute of Science, Bangalore
4. Jawaharlal Nehru University, New Delhi
5. Panjab University, Chandigarh
6. Tata Institute of Social Sciences, Mumbai

This database provides listing of unique titles of serials with brief bibliographic information and respective DDC names with e-mail and other communication address.

Above mentioned databases can be accessed from URL: http://www.inflibnet.ac.in.

6.6. Bibliographic Standards

To maintain consistency and quality in databases created by the participating libraries, each participating library follows the standards adopted by INFLIBNET, which is an effort of the task force comprising experts in this area. The Documents related to the standards being used at INFLIBNET and "Guidelines for Data Capturing" are made available to all the libraries. These standards are also avilable at http://www.inflibnet.ac.in The other standards recommended for this activity are:

➤ Anglo American Cataloguing Rules 2 (Rev.)

➤ Library of Congress Subject Headings

The participating libraries following the standards prescribed by the INFLIBNET, would not face any difficulty in converting their records from SOUL software to CCF / MARC-21 format.

6.7. UGC-Infonet Connectivity Programme

The UGC-Infonet Connectivity is one of the ambitious programmes of University Grants Commission for building high speed nation-wide communication network for Indian universities. ERNET / INFLIBNET is regularly organising series of network management training programmes for the benefit of computer professionals, system analysts and computer programmers from universities for managing / maintaining the UGC-Infonet connectivity infrastructure at their respective universities.

As on date, 149 Universities across the country are connected under UGC-Infonet Programme with VSAT/SCPC/Leased line in the bandwidth ranging from 256 Kbps to 2 Mbps.

6.8. UGC-Infonet Digital Library Consortium

The UGC initiated a programme for providing access of electronic resources to the universities in India over the Internet in all areas of learning. A bouquet of e-journals was presented to the nation by His Excellency, the President of India Dr. A P J Abdul Kalam on 28th December

2003 during the concluding day of UGC's Golden Jubilee celebrations. This programme is fully funded by the UGC. All universities eligible to receive grants under UGC's purview are the members of the programme, and it will gradually be extended to colleges. The programme is executed by INFLIBNET Centre, through which access to about 4550 scholarly journals and databases are made available to 100 universities. Access to various e-journals started from January 1, 2004, however trial access was started from October 2003 onwards.

The consortium started with 50 universities based on the connectivity at various universities during 2004 and in 2005. The programme was extended to 50 more universities making the number of universities to 100. The remaining universities have been provided trial access and will be provided access based on the actual usage and requirements. The project is initially sanctioned for three years and will be reviewed at the end of three years. Universities also signs MoU with the UGC and INFLIBNET for making use of these resources. The UGC provided fund to INFLIBNET for executing the programme, all e-resources are being offered free of cost to the universities.

6.8.1. Objectives

The major aims and objectives of the UGC-Infonet Digital Library Consortium are as follows:

➤ to subscribe electronic resources for the universities at a highly discounted rates of subscription under the best terms and conditions;

➤ to extend the benefit of consortium-based subscription to all Indian universities and colleges;

➤ to extend the benefit of consortium to associate members of this Consortium;

➤ to impart training to the users, librarians, research scholars and faculty members of the institutions on the electronic resources with an aim to optimize their usage;

➤ to increase interaction amongst the member libraries;

➤ to increase the research productivity of the institutions both in terms of quality and quantity of publications;

➤ to evaluate the usage of the resources subscribed; and

➤ to identify new resources that are required to be subscribed under the programme based on the availability of resources and funds.

6.8.2. Current Status

More than 4453+ scholarly journals and databases from around 23 major publishers / aggregators are made accessible to around 100 universities and the remaining

universities will be provided access in phases. The resources offered to the universities it is a great bonanza from the user's point of view in absence of availability of scholarly journals in individual universities. From the publisher's point of view, they have much wider and new market for their resources in university sector. Archival access is also available for most of the journals from 1997 onwards and from some publishers like American Chemical Society, Institute of Physics, JSTOR etc., the access is available from Vol. No 1 Issue No.1 onwards. The subject covers almost all areas, like Arts, Humanities, Social Sciences, Physical and Chemical Sciences, Life Sciences, Computer Sciences, Mathematics and Statistics. Providing access to additional collections from several publishers has resulted in usage of such journals that the faculty and research scholars were ignorant about. The number of e-journals and name of the publishers along with their coverage is given in Table 1.

6.8.3. Access to E-Resources for Walk-in Users

The Centre has 15 Internet-enabled PCs dedicated for the use of students and researchers who can come and use these PCs for accessing electronic resources being subscribed under the UGC-Infonet Digital Library Consortium. All the license agreements signed with the publishers of e-resources provides for access to e-resources for "walk-in" users. Students from Gujarat University, its affiliated colleges as well as students from the near by universities and colleges get benefit from this service.

Sl. No	Name of the Publisher	No. of Journals/ Database	Coverage/ Back files
I	**Full text Journals**		
1	American Chemical Society	31 Journals	Vol. 1 Issue 1
2	American Institute of Physics	18 Journals	1997 - Archival files vary from journal to journal.
3	American Physical Society	10 Journals	1997-
4	Annual Reviews	29 Journals	Archival access for the last ten years
5	Blackwell Publishing	489 Journals	1997-
6	Cambridge University Press	189 Journals	1997-
7	Elsevier Science	34 Journals	Archival access from 1995
8	Emerald	28 Journals	2001- varies from Journal to Journal
10	Institute of Physics	36 Journals	Vol. 1 Issue 1
11	J-Store	457 Journals	Vol. 1 Issue 1
12	Portland Press	4 Journals	1996 to current
13	Project Muse	222 Journals	1999-

14	Royal Society of Chemistry	23 Journals + 6	databases 1997-
15	SpringerLink	1217 Journals	1997-
16	Taylor & Francis	1105 Journals	1998-
17	Oxford University Press	169 Journals	1997-
18	Euclid Project	18 Journals	2002-
19	Encyclopedia Britannica	National Site License	
20	Nature	1 Journal	1997-
21	Science Online	1 Journal	1996 -
II	**Abstracting/ Indexing Databases**		
1	Chemical Abstracts Services	One Database	1907-
2	Biological Abstract	One Database	1969-
3	MathSciNet	One database	1940 to current
III	**Portals**		
1	Ingenta Gateway	5700+ Journals upto abstracts	
2	J-Gate	14000+ Journals upto abstracts	

Table 1: Electronic Resources Subscribed under the UGC-Infonet Digital Library Consortium

Additional scholarly publications are under consideration and are likely to be part of the programme very soon.

6.8.4. Economics of UGC-Infonet Digital Library 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 and colleges. The benefit of consortia-based subscription to electronic resources is made available from 2004 onwards to 50 universities and many other universities were given trial access and have been 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 4453+ electronic journals from 23 publishers and aggregators. The UGC-Infonet web site provides more details on the journals list and other features.

6.8.4.1. Cost Avoidance

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. The table 2 given below depicts

that there is a savings to the national exchequer to the tune 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 costed Rs. 130.11 crores and 256 as against Rs. 16.91 crores and 25.92 crores for the year 2004 and 2005, respectively. The numbers of journals subscribed also increased in 2005.

SI NO.	Year	No. Publishers	No of Universities	List Price in Rs.	Consortia Price in Rupees	Savings in Rupees
1.	2004	16	50	130,11,19,000	16,91,35,074	113,19,83,926
2.	2005	25	100	257,04,10,204	25,92,25,915	231,11,84,289

Table 2: List Price V/s Consortium Price for the year 2005-06
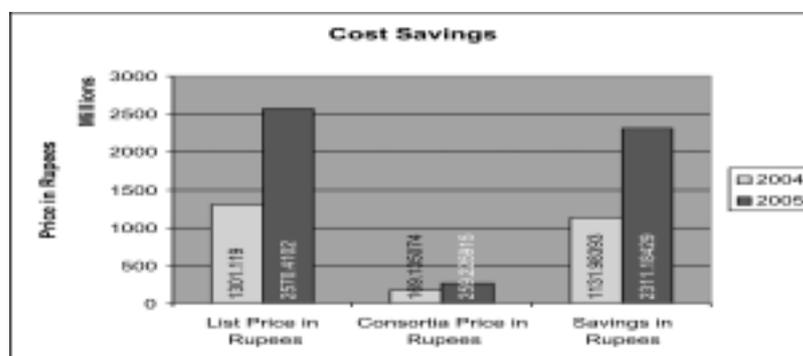
Fig. 1: Cost Avoidance: List Price v/s Consortium Price

6.9. Gujarat University Library Automation

The Centre is helping to Gujarat University in automating its library. The university could not automate their library due to some unavoidable reasons. Now the INFLIBNET is fully supporting and extending all the facilities and technical guidance in automating the Library. As of now the sizable database has been created and Barcode labels are also generated for the data entered.

7. National and International Conventions

The Centre organizes two major annual conventions, namely CALIBER and PLANNER. During the year under report, 13th CALIBER and 3rd PLANNER was organized at Gulbrga University, Gulbarga in Feb., 2006 and Assam University, Silchar in Nov., 2005 respectively. A brief write-up on the conventions is given below:

7.1. PLANNER 2005

PLANNER 2005 was organized by the INFLIBNET Centre in collaboration with Assam University, Silchar during November 10-11, 2005. The theme of the convention was "Digital

Collection Development and E-journal Management in Libraries". PLANNER 2005 was the third successful convention organized by the centre in series of programs for promoting library Automation and Networking in the North Eastern (NE) region of the country. Librarians, Information professionals, academics and administrators from the NE Region met their colleagues from the rest of the countries.

The convention was inaugurated by the Hon. Union Minister Shri Santosh Mohan Dev and was presided over by Prof. S C Saha, Vice Chancellor of Assam University. Professionals from Bangladesh and United Kingdom also attended the convention. Hon. Minister Shri Deb opined that digital information storage and delivery was in keeping with the cherished dream of Dr. Rabindranath Tagore for storing universal knowledge for the benefit of humanity.

Prof. S C Saha, Vice Chancellor of the Assam University gave the presidential address and released the Souvenir and Proceedings. Dr. T A V Murthy in his keynote address said that the Government of India is committed to support the provision of digital information resources. Scientists and researchers require access to information at their desktop to do their jobs efficiently. Sh. V D Srivastava, University Librarian and Organizing Secretary of PLANNER-2005 welcomed the guests, while Sh. H G Hosamani, Chief Convener, PLANNER-2005 proposed vote of thanks.

Technical papers were presented in three separate sessions. The technical sessions were chaired by Prof. Pravakar Rath, Department of Library and Information Science, Mizoram University, Sh. Manoj Kumar, Scientist-D, INFLIBNET Centre and Dr. V S Cholin, Scientist-B, INFLIBNET Centre. There were presentations by commercial houses relevant to the needs of the library and information professionals. Sh. Manoj Kumar K, Scientist-D, INFLIBNET Centre conducted a tutorial on "Building Digital library using DSpace" chaired by Prof. Narendra Lakhar, Department of Library and Information Science, Gauhati University. Ms.Gurdish Sandhu in her valedictory message emphasized the importance of sharing the knowledge. Librarians are the custodians of knowledge and they need to ensure the knowledge is made easily accessible by all. Sh. Premchand, Scientist-C, welcomed the delegates in the valedictory session and Sh. Manoj Kumar spoke on behalf of Director, INFLIBNET. Prof. S C Saha, Vice Chancellor, Assam University made valedictory remarks.

7.1.1. Recommendations of PLANNER 2005

After discussions and deliberations over the reports from chairs and reporters of the technical sessions, the following recommendations were made for the consideration of the concerned authorities.

i) The SOUL Software developed by the INFLIBNET should be made available to all universities, colleges including Library and Information Science Departments in the North

East region. This will help to form a strong base for library automation/computerization that could lead to networking and digitization;

ii) All libraries in the region should be helped to develop technical expertise to handle library technologies (library management systems, website, networks, learning management systems, hardware/software management). Dedicated staff (Information scientist, Systems administrators, programmers / Analysts) for these operations is necessary for making efficient use of these technologies and digital collections.

iii) Develop training modules for the library staff, which can be delivered online, and/or onsite as and when required. Library departments in the region should be encouraged financially and technically to develop and deliver such short training programmes as required. To cascade the training interested individuals be identified and trained to provide onsite training in each library in the region.

iv) Library automation should be extended to all the libraries in the region and encouraged to share resources. Expertise and resources be provided to develop digital collections and regional digital repository.

v) Library staff in the region is isolated. To expose staff to new technologies and service delivery methods initiate staff exchange programmes nationally and internationally.

vi) Take advantage where possible of wireless and satellite communication technologies to connect all the libraries in the region. Thereby, preventing the development of digital divide.

7.2. International CALIBER 2006

INFLIBNET's annual convention named International CALIBER-2006, fourth in the series of international was held at Gulbrga University, 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 presented a brief on the Convention. Dr. Arthur Smith, Director, Asia Pacific 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, INFLIBNET. The Convention volume was released by Dr. Rahul De, HP Chair Professor, Indian Institute of Management, Bangalore and Souvenir was released by Mr. S. Rajanna, Registrar, Gulbarga University. Mr. Rajanna, thanked INFLIBNET for giving an opportunity to Gulbarga University, Gulbarga to host CALIBER- 2006. He congratulated the organizers for registering more than

500 participants in a remote place like Gulbarga. He extended a warm welcome to the delegates, wished them a very fruitful and eventful participation in the Conference deliberations. Dr. De made an 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 Murthy, 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 UGC-Infonet Digital Library 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. The tutorial was conducted by Mr. Yatrik Patel, Scientist-B, INFLIBNET, which was attended by over 50 Delegates. The tutorial covered installation and functioning of Dspace with practical aspects of creating web-content for digital library.

A Parallel session was conducted between on Feb. 2, 2006. 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 of Informatics (I) Ltd., Bangalore. This invited session was chaired by Prof. C.R. Karisiddappa, Karnataka University, Dharwad.

The Technical sessions of the Convention commenced on 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 made in the session ranged from defining terminologies such as portals, WWW 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 in-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 emphasized.

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 acted as a Repporteurs. The possibility of libraries serving as centres 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 4500 full-text journals through UGC-Infonet Digital Library Consortium 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 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 acted as Rapporteurs for 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-based 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 quality 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, 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.

7.2.1. Resolutions and Recommendations

i)   It was noted that information portals are the gateway for seamless access to web-based information. Library portals play a very important role in enhancing the use of information resources and facilities in an organization. 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 their skills. The resolution also noted that library schools, professional associations and organizations like the INFLIBNET should take up the necessary steps in this regard to implement the proposal;

ii) It was resolved that the concept of information literacy has been receiving attention of information professionals 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 man to gain access to relevant information from variety of information sources including electronic media like Internet, it was resolve that information literacy should become part and parcel of the educational curriculum at all levels, and also integrated part of the LIS curriculum;

iii) It was noted that UGC-Infonet Digital Library Consortium has generated a 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 awareness amongst researchers and faculty and inadequate infrastructure. Considering these facts, it was resolved that the necessary steps should be taken by the UGC to enhance infrastructure and provide necessary thrust to tempo of research in the universities;

iv) It was resolved that the access to e-resources through the UGC-Infonet Digital Library Consortium should be extended beyond existing 149 universities and colleges in the Country;

v)   Regarding the doctoral theses submitted to respective universities, it was acknowledged that these doctoral theses contain significant and rich unpublished data relating to Indian social, economic, scientific and technological developments. It was, therefore, resolved that digitization of doctoral theses at the university level should be encouraged with the financial assistance from the UGC; and

vi) Multilingual documents available in participating libraries were considered as a hurdle in interoperability and in sharing of resources amongst libraries. The necessity of support for research in issues relating to multilingual interoperable systems was felt.

The Valedictory Session was held on February 4, 2006 with Shri Justice S. R. Bannurmath, Hon'ble Judge, High Court of Karnataka, Bangalore as Chief Guest who 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 which 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 also 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 satisfaction over the perfection with which the convention was organized. Dr TAV 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. Dr. R.B Gaddagimath, Organizing Secretary thanked the INFLIBNET Centre and all the concerned for successful organization of this mega event.

8. Central Facilities

The Centre maintains Central Facilities like Library, SOUL Support Centre, Computer Laboratories and Servers to support essential activities of the Centre. A brief description of such central facilities is given below:

8.1. Library

The INFLIBNET Centre has a small, specialized library consisting of 2000 documents on computer, communication, information and library science. The library is fully computerized using SOUL integrated library management software. The collection of the library is available online through the web OPAC facility of the SOUL.

The INFLIBNET Library plays a vital role in the collection development and dissemination of scientific and technical information to meet the present and future needs of the Centre. The Library maintains databases of i) participants who attended various training programmes at INFLIBNET Centre; ii) SOUL installations; and iii) universities and its contact details including e-mail and website addresses. These databases are accessible through the library website at http://libserver.inflibnet.ac.in.

8.1.2. Library Services

The library provides following services to its users:

> ➤ Reference Service
> ➤ Document Delivery Service
> ➤ Current Awareness Service
> ➤ Inter Library Loan Service
> ➤ Electronic Information Service
> ➤ Photocopy Service

8.1.3. CD ROM-based Search Services

The Centre subscribes to a large number of databases on CD-ROM consisting of bibliographic details of research articles mainly in the area of social sciences, arts and humanities. Services from these databases are available free-of-cost to the academic community including research scholars and the students for their research activities. These CD ROM databases have been discontinued since 2003 given the fact that e-resources are now being made available to universities under the purview of UGC through the UGC-INFONET Digital Library Consortium. The CD-ROM databases available at the INFLIBNET Library are as follows:

i) LISA: Library and Information Science Abstract [1969-2003]
ii) Dissertation Abstracts International: Humanities & Social Sciences [1987-2003]
iii) EconLit: Economic Literature [1969-2003]
iv) EMBASE Drugs & Pharmacology CD [1986-2003]
v) Philosopher's Index [1999-2003]
vi) PsycLit: Psychological Literature [1887-2003]
vii) Sociofile: Sociological Abstracts [1974-2003]
viii) Current Contents on Diskette: Social and Behavioral Sciences [1999-2003]
ix) Inside Science [1999-2003]
x) Inside Social Science [1999-2003]

The Centre also subscribes to the following bibliographic databases of books that are being used for authenticating bibliographic records in union catalogues. These databases are also available to visiting users:

xi) Ulrich's On Disc: International Periodicals Directory
xii) ISSN Compact: The ISSN register on CD-ROM [1999, 2003]
xiii) NUCSAL: National Union Catalogue of Serials in Academic Libraries [2005]
xiv) BNB: British National Bibliography, Current file [1986-2001]
xv) OCLC: Recent Books [1999]

xvi)   OCLC: Old Books [1999]

xvii)   OCLC: Serials [1999]

xviii)   OCLC: Authority file [1999]

xix)   CDMARC: Subject Headings [1996]

xx)   CDMARC: Names [1996]

xxi)   CDMARC: Holdings [1996]

8.1.4. E-Journals Archival Library (Print Version)

Besides receiving access to e-resources on complementary basis under the UGC-INFONET Digital Library Consortium, the Centre maintains a separate Archival Library consisting of print journals received as a part of the agreement with the participating publishers of the UGC-INFONET Digital Library Consortium. Under the agreement, the publishers are requested to submit a copy of all the issues of the journals. This archival library is open to all users interested in using these print resources for their study / research.

The Centre has received issues of 286 journal titles from different publishers. During this year under review, issues of 100 journals each were received from the Taylor and Francis, Blackwell and Oxford University Press. Users can access information about these journals on their desktops at the website http://libserver.inflibnet.ac.in/ejournal/opac.asp.

8.2. SOUL Support Services

The SOUL Software developed by the Centre is one of the most popular software having maximum number of installations in the country in the libraries of academic and research institutions. The demand for the software comes from the every corner of the country. By the end of the March 2007, the software had more than 1312 installations. Some of the State Governments including Maharashtra, Madhya Pradesh and Andhra Pradesh have purchased software in bulk for their college libraries. Since installation, maintenance and training on the SOUL Software for institutions spread all over the country is a Harculean task that cannot be carried out by INFLIBNET staff alone, the Centre has established Region-wise SOUL Support Services by deploying retired library professionals as SOUL Coordinators. The Centre had deployed four SOUL Coordinators for four different regions of the Country. At the moment, however, the Centre has the following two active Coordinators, one in Northern region and another in Southern region.

i)   Prof. C P Vashishtha, Retired Professor, University of Delhi. He takes care of SOUL Coordination work in the states of Delhi, Uttaranchal and Uttar Pradesh.

ii)   Shri K Ravindran Asari, Retd. Librarian, Mahatma Gandhi University, Kottayam, Kerala. He is looking after the states of Kerala and Tamil Nadu.

A proposal has been developed to deploy few more Coordinators to serve states having a large number of installations.

8.3. Computer Network & Infrastructure

Infrastructural facilities created at the centre over the years to meet Centre's objectives are listed below:

8.3.1. Personal Computers, Laptops and Servers

Given the fact that the main objective of the Centre is to provide proactive help to the universities in library automation and to mediate resource sharing amongst them, computers are the main assets of the Centre. The INFLIBNET Programme started in the year 1991-92 with just 4 PCs mainly for office work, numbers grew to 15 in the year 1992-93. This number grew to 41 in the year 1996-97 and to 62 in the year 1999-2000. A mini computer was purchased in the year 1995-96 essentially for mounting the national union databases. Presently the Centre has 104 PCs and 19 laptops, all of them are P-IV machines.

The Centre added a Xeon server and a RISC Server in the year 2002-03. The two servers are being used for hosting National databases accessible from the Centre's web site. Besides, PCs, laptops and servers, the Centre has other accessories such as printers, DAT drives and other storage devices.

8.3.2. Software

The Centre has licensed copies of the following software to support its R&D and related activities:

i) Operating Systems

➤ MS-DOS V.6.22
➤ MS WINDOWS 3.11/95/98
➤ Novell Netware
➤ SCO Open Server Enterprise Edition 5.05
➤ Windows 95 Upgrade 1.44
➤ MS Windows NT Server 4.0 5
➤ MS Windows NT Workstation
➤ Windows 2000 Adv. Server Academic Version
➤ Windows 2000 Desktop O.S.
➤ Microsoft. Win XP Prof.
➤ Red Hat Linux 7.3 /8.0/9
➤ HP-UX 11i

ii) RDBMS

- Oracle Workgroup 8.0
- Sybase Replication Server 11.5
- SQL Server 6.5/7.0/2000
- Oracle 9i for HP-UX

iii) Application Development Tools

- MS VISUAL C++ PRO V 5.0 (AE)
- Powerbuilder 5.x/6.0
- Microsoft Visual Studio 6.0
- Microsoft Visual Studio .Net
- Smartdraw 6.0 version Professional Plus
- Oracle Internet Developer Suite.
- Oracle 10i Application Server

iv) Miscellaneous

- EZYBAR Bar Code Label Printing Software
- Stackey-Batutil 4.0 Software
- Novell Netware Connect
- Word Star Ver. 7.0
- MS-Office Ver. 4.2 and 2000 Premier
- ISM Office upgrade ver 3.0.4
- Dr.Solomon's Anti Virus Toolkit V.7.94
- Pagemaker 6.5 Ver. AE Software
- Adobe Acrobat 4.0 AE Software
- Microsoft Exchange 2000
- Symentac Anti-Virus Small Business Edition
- CDS/ISIS, WinISIS
- Antivirus Trend Micro office scan 6.5 (75 user licensed)
- Smart draw 6.0
- Jaws for Windows

8.3.3. Local Area Network and Internet Connectivity

The Centre provides most of its services through Internet 365 days a year, seven days a week and 24 hours a day. The network infrastructure is one of the most important components to provide efficient and effective services to the remote and local academic users. The centre has up-graded network infrastructure that connects all laboratories and offices of the Centre

with 10/100 Mbps structured cabling, Rack, I/Os, Jack panels etc. As on now, the network is running over shared hubs that are being replaced with managed L3 and L2 switches. The Informatics Lab of the Centre is Wi-Fi enabled for the users who visit the Centre with laptops and also provides software support for visually challenged persons. The classroom being used for imparting training is equipped with Interactive White Board.

The facility for Internet connectivity was established at the Centre in the year 1993-94 using dial-up connectivity of the ERNET. A number of different options and service providers were tried to improve the Internet connectivity between 1995 and 2000. With the launch of UGC Infonet Programme and the INFLIBNET as its nodal agency, a 128 Kbps VSAT was installed at the Centre in the year 2003-04. Later the speed of this VSAT was upgraded to 512 Kbps. Presently this TDM / TDMA VSAT is operational with a speed bandwidth of 640 Kbps. In addition, a dedicated 2 Mbps leased line connectivity has also been taken from ERNET as part of the UGC Infonet scheme. The national union databases are being made accessible through this dedicated leased line. On an average, the INFLIBNET Web site and the national union databases attract more than 15,000 visitors.

9. Awards, Honors and Distinctions

The following awards, honours and disctinctions were bestowed on the staff members of the INFLIBNET during the period under report:

Sh. Rajesh Chandrakar

Sh. Rajesh Chandrakar was awarded Commonwealth Fellowship by the Association of Commonwealth University and British Council, UK. During the fellowship period, Mr. Chandrakar took the opportunity to spread awareness about the Centre's activities through presentations and informal discussions. He was attached to Middlesex University and studied the library system horizon and its functions. He mapped UNIMARC bibliographic exchange format with MARC-21 for IFLA. Mr. Chandrakar attended various training programmes in the University of Middlesex. He also attended various meetings such as Meeting of Campus Librarians, Circulation Librarians, and Periodical Librarians at Middlesex University as an observer. He attended various national meetings as an observer such as Book Industry Communication (BIC) Product Metadata Group, BSI (British Standards Institution) TS/1, the Committee works as the shadow of ISO/TC37 at London.

He visited various institutes and universities during the programme. Mr. Chandrakar delivered talk on "INFLIBNET Centre: a Gateway to the Academic Community of India" as an ILIG Informal at CILIP, London, which was published in their quarterly publication called "Focus on International Library and Information Work".

Dr. V S Cholin

Dr. V S Cholin, Scientist-B, INFLIBNET Centre visited Ohio Library and Information Network (OhioLINK) and OSU under the Fulbright Professional Fellowship Program in Information Science awarded by the United States Educational Foundation in India (USEFI) and the Institute of International Education (IIE), New York during January – June 2005. During the course of his fellowship, he was able to address number of issues relating to Consortium which, in turn, helped him to apply them in the UGC-Infonet Digital Library Consortium. While hosted at the OhioLINK, one of the most successful consortia in USA, Dr. Cholin visited various other Consortia in USA.

Dr. Cholin delivered talks at the Ohio State University, Oberlin College, PALINET Philadelphia during his stay and attended the OhioLINK Community Meetings regularly. He attended International Coalition of Library Consortium (ICOLC) meet at Boston during April 10-13, 2005 and presented a paper. He attended American Library Association (ALA) Conference at Chicago during June 24-28 and visited Alliance Research Libraries, NERL Consortium, and PALINET. In order to understand functioning of library consortium in USA, he took a survey of Alliance, VIVA, PALINET, NERL Consortium and BCELN Canada Cousortia. He was invited by Oberlin College – Shansi Association, Yale University and PALINET. He also attended the enrichment seminar conducted by IIE. He also visited OhioNET and OCLC (Online Computer Library Centre) to explore the possible collaboration.

Sh. H G Hosamani and Sh. Umesh Gohel

Sh. H.G.Hosamani and Sh Umesh Gohel visited National Library of Australia during 5-19 September, 2005 under the professional development activities. This program enabled them to understand the activities of National Library of Australia, i.e. Digital Archiving, Preservation, Infrastructure, Copyrights, Resource Sharing Web Archiving, Subject Gateways, Institutional Repositories, Open Source Digital Library software, etc. A numbers of presentations from distinguished academicians from Australia were arranged as a part of the programme.

Sh. Manoj Kumar K

Sh. Manoj Kumar K was invited by the Surya TV, Malayalam Channel of Sun Networks, as a guest in one of their programs called 'PONPULARI'. The topics of the discussion were services and activities of the INFLIBNET, Leveraging Information Technology for Higher Education, Role of Librarians, E-Education, E-Journals, E-books etc. The program was in Malayalam and telecasted on 20th May 2005, at 8.15 AM for 30 minutes.

Dr. TAV Murthy

Dr. TAV Murthy, Director of the Centre was nominated as a member of the committee on "Working Group on Libraries" set-up by the National Knowledge Commission (NKC).

Dr. Murthy was also awarded SALIS Librarian of the Year for the year 2005.

He also delivered keynote address at the MANLIBNET Convention held at the Indian Institute of Management, Kozhikode Kerala held on 5-7 May 2005.

Ms. Satyabati Thiyam

Ms Satyabati Thiyam was awarded PhD from the Department of Library and Information Science, Manipur University, Imphal in 2006 for her thesis entitled "Manuscripts of Manipur: A Study in the Modern Perspective". Dr Purnima Devi was her research Guide.

Sh. Rajesh Chandrakar

Sh. Rajesh Chandrakar was awarded SATKAL Young Librarian for the Year 2005 by the SATKAL Trust, Chandigarh. Shri Jagmohan, Honorable Ex Minister of Culture, Govt of Indiac conferred the award during the SATKAL function held at the India International Centre, New Delhi on 20th December, 2005.

10. Publications

The staff of the centre has published, presented number of papers in national, international journals, seminars & conferences. The publications are given below.

10.1. Conference Proceedings

i) Digital Collection Develpment and E-Journal Management in Libraries. Proceedings of the third PLANNER 2006 held at Assam University, Silchar, 10-11 November 2005 (Eds. T A V Murthy, et al). Ahmedabad: INFLIBNET Centre, 2005. 478 p.

ii) Dynamic Interoperable Web-based Information Systems: Proceedings of International CALIBER 2006 held at Gulbarga University, Gulbarga, 2-4 February 2006 (eds. T A V Murthy, et al). Ahmedabad: INFLIBNET Centre, 2006. 772 p.

10.2. Articles Published in National and International Journals

i) Chandrakar, Rajesh. Issues of multilingual electronic publishing in India with special reference to academic universities. LRC-X the 10th Annual

Internationalisation and Localisation Conference held at University of Limerick, Ireland,13th-14th September 2005.

ii) Chandrakar, Rajesh. INFLIBNET Centre: A gateway to the academic community of India. Poster presentation at 71st IFLA General Conference and Council held at Oslo, Norway, 14th to 18th August 2005.

iii) Cholin, V S, Thiyam, Satyabati Devi and Murthy T A V. UGC-Infonet E-Journals Consortium: Access to scholarly journals and databases for Indian academic community – A status. *In*: Dynamic Interoperable Web-based Information Systems: Proceedings of International CALIBER 2006 held at Gulbarga University, Gulbarga, 2-4 February 2006 (eds. T A V Murthy, et al). Ahmedabad, INFLIBNET Centre, 2006, pp. 338-349.

iv) Sinha, Manoj Kumar, Manoj Kumar K and Bhattacharjee, Jayanta. Digital library initiatives in India for open access: An overview. *In*: Dynamic Interoperable Web-based Information Systems: Proceedings of International CALIBER 2006 held at Gulbarga University, Gulbarga, 2-4 February 2006 (eds. T A V Murthy, et al). Ahmedabad: INFLIBNET Centre, 2006, pp. 149-164.

v) Sinha, Manoj Kumar, Murthy, TAV and Manoj Kumar, K. Developing e-journals consortium in India: A new approach for resource sharing in digital networked environment. *In*: Dynamic Interoperable Web-based Information Systems: Proceedings of International CALIBER 2006 held at Gulbarga University, Gulbarga, 2-4 February 2006 (eds. T A V Murthy, et al). Ahmedabad, INFLIBNET Centre, 2006, pp 350-363.

vi) Bhattacharjee, Jayant, Sinha, Manoj Kumar and Manoj Kumar K. Quality control issues for design, development and maintenance of Web Sites. *In*: Dynamic Interoperable Web-based Information Systems: Proceedings of International CALIBER 2006 held at Gulbarga University, Gulbarga, 2-4 February 2006 (eds. T A V Murthy, et al). Ahmedabad: INFLIBNET Centre, 2006, pp. 13-22.

vii) Vatnal, R M and Prakash, K. Portals: The changing face of library services. Developing E-Journals Consortium in India. A new approach for resource sharing in digital networked environment", International Convention, CALIBER 2006, Feb 2-4, Gulbharga University, Gulbharga, Karnataka pp. 350-363.

viii) Sangam, S L and Prakash, K. The catalog of the future academic libraries: Integrating electronic resources. "Developing E-Journals Consortium in India : A new approach for resource Sharing in Digital Networked Environment",

International Convention, Caliber 2006, Feb 2-4, Gulbharga University, Gulbharga, Karnataka.

ix) Manoj Kumar K. Building Digital Libraries using DSpace. *In*: Proceedings of the DRTC-HP International Workshop on DSpace, 7th – 11th March, 2005, DRTC. DRTC, ISI, Bangalore. pp. L1-10.

x) Thiyam, Satyabati Devi and Murthy T A V. Issues in UGC-Infonet E-Journal Consortium" PLANNER -2005 at Assam University, Silchar 10th-11th November, 2005.

xi) Thiyam, Satyabati Devi and Murthy T A V. The need for digitization. Professor Jaginder Singh Ramdev Felicitation Volume-2005.

xii) Thiyam, Satyabati Devi and Murthy T A V. Access of e-journals in the institution of higher education through UGC-Infonet E-Journal Consortium. Felicitation Volume-2005 of A B George.

xiii) Thiyam, Satyabati Devi and Murthy T A V. Information Literacy development in Higher Education. Felicitation Volume-2005 of R K Rout.

xiv) Amrelia, Manisha R , Murthy T A V and Thiyam, Satyabati Devi. Digital library: An unavoidable need in today's world. Seminar paper for Recent Advances in Information Technology (READIT-2005), 14th -15th July, 2005.

xv) Thiyam, Satyabati Devi and Thoidingjam, Purnima Devi. Role of public libraries in Manipur in bridging the digital divide. Paper presented in the "Seminar on Bridging the Digital Divide Public Library Services in North-East Region: Opportunities and Challenges" held at Mizoram organized by Mizoram Library Association in collaboration with RRRLF in May, 2005.

xvi) Rajesh Chandrakar and Hopkinson, Alan. Introducing RFID at Middlesex University Library Resources. Program: Electronic Library and Information Systems, 40(1), 2006, pp. 89-97.

xvii) Rajesh Chandrakar. An Approach to mapping CCF to Dublin Core. Electronic Library, 23(5), 2005, pp. 577-590.

xviii) Rajesh Chandrakar. The INFLIBNET Centre: A gateway to the academic community of India. Focus on International Library and Information Work. CILIP (Chartered Institute of Library and Information Professionals), 2005, Vol. 36 (1), pp. 23-25.

xix) Rajesh Chandrakar and Sharma, SK. International CALIBER 2005: A report. Library Hi-Tech News, 22 (6), 2005, pp. 9-10.

11. Training Programmes / Workshops Organised by the Centre

The Centre organized the following conferences, seminars and training programmes:

11.1. SOUL Training Programme at the INFLIBNET Centre

The INFLIBNET provides five-days Orientation Training Programme specially designed for imparting training to fresh users on installation and implementation of the SOUL Software in libraries. While the morning sessions of the programme devoted to theoretical lectures and demonstrations, the afternoon sessions completely earmarked for "hands-on" practice. The participants are given facilities of a well-equipped computer laboratory with all requisite facilities. The course content of the programme is designed to cover the following topics:

i)   INFLIBNET activities and UGC-Infonet Digital Library Consortium
ii)   SOUL – Overview and Catalogue Module
iii) SOUL - Acquisition Module
iv)   SOUL – Circulation Module
v)   SOUL – Serial Module
vi)   SOUL- OPAC, Administration and Backup
vii) MS-SQL and SOUL Installation
viii) SOUL Multilingual using ISM

Generally, two participants from each new installation are permitted to join this training programme, one each from computer and library science background. The INFLIBNET provides TA / DA to one of the participant. So far, 57 such training programmes have been organized at the Centre. During the financial year 2006-07, the following 15 training programmes were held to impart training to 295 participants:

Sl.No	Training No	Period	No of Participants
1	33	28th March – 01st April 2005	16
2	34	25th - 29th April 2005	21
3	35	30th May - 3rd June 2005	14
4	36	13th - 17th June 2005	10
5	37	20th - 24th June 2005	13
6	38	11th -15th July 2005	21
7	39	18th - 22nd July 2005	15
8	40	25th - 29th July 2005	25
9	41	29th August - 2nd September 2005	25
10	42	26th - 30th September 2005	26
11	43	17th - 21st October 2005	32

12	44	21st - 25th November 2005	12
13	45	26th - 30th December, 2005	16
14	46	23rd - 28th January, 2006	26
15	47	27th February - 3rd March, 2006	23
Total			**295**

Table . 3 SOUL Traning Programmes organised by the INFLIBNET Centre

11.2. User Awareness Programmes

The user's awareness is the key to success of any programme, the INFLIBNET Centre, therefore, conducted extensive training programmes for the benefit of library staff, faculty, students and research scholars from various universities across the country. These programmes were arranged during 2005-06 and will be extended in the next year to other universities as well according to the recommendations of the UGC's National Negotiation Committee. The awareness programmes provides training on usage of e-resources provided under the UGC-Infonet Digital Library Consortium so as to promote its usage by the faculty, research scholars, students and library professionals across the country.

36 user awareness training programes were conducted at different universities till date. A team of two staff members from Inflibnet visited these universities and conducted the programmes with the support of coordinator at these universities. The programmes had overwhelmed response at most of the universities and INFLIBNETexpect such programme at regular interval to update them on the facilities extended by INFLIBNET through UGC under the programme.

During the period under report, 22 one-day User Awareness Programmes for using E-Resources provided under the UGC-Infonet Digital Library consortium for the faculty members, research scholars and librarians These programes were conducted at the following universities during 2005 (see tabel 4)

Sl.No.	Name of the Universities	Date	Faculty/ Staff deputed
1.	Kashmir University	19th September, 2005	Sh Premchand & Sh. B Ramesh
2.	Jammu University	20th September, 2005	Sh Premchand & Sh. B Ramesh
3.	Himachal Pradesh University	23rd September, 2005	Sh Premchand & Sh. B Ramesh
4.	Jawaharlal Nehru University	25th September, 2005	Dr. V S Cholin & Ms Satyabati T

5.	Jamia Milia Islamia University	26th September, 2005	Dr. V S Cholin & Ms Satyabati T
6.	Vidyasagar University	27th September,2005	Sh Rajesh Chandrakar & Sh Suresh Kr. Chauhan
7.	University of Burdwan	28th September,2005	Sh Rajesh Chandrakar & Sh Suresh Kr. Chauhan
8.	Gauhati University	29th September, 2005	Dr. V S Cholin & Ms Satyabati T
9.	Dibrugarh University	30th Sepember, 2005	Dr. V S Cholin & Ms Satyabati T
10.	Arunachal University	3rd October, 2005	Dr T A V Murthy & Dr. V S Cholin
11.	Pt. Ravishankar University	5th October,2005	Sh Rajesh Chandrakar & Sh Suresh Kr. Chauhan
12.	North Maharastra University	14th October, 2005	Sh K Prakash & Sh Suresh Kr. Chauhan
13.	Dr. B R Ambedkar Marathwada University	17th October, 2005	Sh K Prakash & Sh Suresh Kr. Chauhan
14.	Mohanlal Sukhadia University	17th October, 2005	Dr. V S Cholin
15.	Sri. Venkateshwar University Tirupati	17th October, 2005	Sh B Ramesh & Sh Umesh Gohel
16.	Swami Ramanand Teerth Marathwada University	18th October, 2005	Sh K Prakash & Sh Suresh Kr. Chauhan
17.	Banasthali Vidyapith	18th October, 2005	Dr. V S Cholin
18.	Sri. Sathya Sai Institute of Higher Learning	18th October, 2005	Sh B Ramesh & Sh Umesh Gohel
19.	University of Madras	21st October, 2005	Sh B Ramesh & Sh Umesh Gohel
20.	Bharati Vidypeeth	21st October, 2005	Sh K Prakash & Sh Suresh Chauhan
21.	Manonmaniam Sundernar University	24th October, 2005	Sh Manoj Kumar K
22.	Gandhigram Rural Institute	25th October, 2005	Sh Manoj Kumar K

Table : 4 One Day User Awareness Programme

11.3. National Seminars

11.3.1. Seminar on Networking of College Libraries through INFLIBNET Programme, 20th to 21st August, 2005, Vijayawada

The South Eastern Regional Office (SERO), University Grants Commission, Hyderabad conducted a two-day seminar on "Networking of Colleges Libraries through INFLIBNET" at P B Siddhartha College of Arts and Science, Vijayawada during August 20-21 2005. Nearly 200 participants including principals, librarians and faculty representing 75 colleges located in Andhra Pradesh have participated in the seminar. The seminar was inaugurated by Prof. V. N. Rajasekharan Pillai, Vice Chairman, UGC, and Sh P.L.N Prasad, Secretary, Siddhartha Academy and college delivered the welcome address.

11.3.2. National workshop-cum-Seminar on Changing Landscape of Higher Education with Electronic Resources and Role of the INFLIBNET, Jalandhar, 22-23 August, 2005 Jalandhar

With an aim to promote and create awareness about the INFLIBNET activities and services among the academic community in various colleges across the country, the INFLIBNET Centre in collaboration with DAV College Jalandhar, organized two days awareness program for principals and librarians of colleges affiliated to the UGC on 22nd and 23rd August 2005. 182 participants registered for the program from 20 States which included principals, library and computer professionals. The inaugural function started with a welcome address by Prof Aeri, Principal of the College. The function was presided by Director General (DG) of Pushpa Gujral Science City, Dr. R S Khandpur (former DG of CEDTI). Dr. TAV Murthy was the Guest of Honour and gave key note address. Dr P K Aluwalia, Director of Computer Science Dept, HP University; Sh Manoj Kumar K, Sh Premchand, Prof I V Malhan, HoD, Lib Sci Deptt., Jammu University and Sh Suresh Chauhan acted as resource persons.

11.3.3. UGC-SERO Program, 6th and 7th September, 2005, Trivandrum

Conference of All the Principals of Kerala College was organized by the UGC, South Western Regional Office at Government Women's College, Trivandrum on 6th and 7th Sept 2005. The conference was inaugurated by Hon'ble Chief Minister of Kerala Sh. Oommen Chandy in the presence of Prof. Rajashekaran Pillai, Vice Chairman, UGC. Dr. M K Ramachandran Nair Vice Chancellor, University of Kerala delivered the keynote address. It was followed by technical sessions by Dr. Manju Singh, Dy Secretary, UGC SWRO, Dr. Latha Pillai, NAAC, Dr. Surender Singh, UGC, Delhi, Sh R A D Pillai, Former Dy. Director, VSSC, EDUSAT. Sh Manoj Kumar K represented INFLIBNET for launching the College model of UGC Infonet. 134 principals and in-charges of colleges participated in the conference.

Dr. T Ganga Devi, Principal, Govt. Women's College and Sh B S Mavoji, Director Collegiate Education, Govt. of Kerala were the local coordinators for the program.

11.3.4. Workshop on Widening the Landscape of Higher Education: INFLIBNET Awareness for Colleges, 8th November, 2005

Special programme targeted to the selected College Principals and Librarians called "Workshop on Widening the Landscape of Higher Education : INFLIBNET Awareness for Colleges" was jointly organised by the INFLIBNET and the UGC Eastern Regional Office at Meghnad Saha Auditorium, Calcutta University on 8th November, 2005. The Workshop was graced by dignitaries like Shri Kanti Biswas, Hon'ble Minister-in-Charge, School Education Department, Government of West Bengal, Prof. Subinal Sen, Vice-Chairman, West Bengal State Council of Higher Education, Prof. A.N. Basu, Vice-Chancellor, Jadavpur University, Prof. Suranjan Das, Pro-Vice-Chancellor (Academic), University of Calcutta, Prof. T.K. Mukherjee, Pro-Vice-Chancellor (Finance), University of Calcutta, Prof. A.K. Das, Vice-Chancellor, University of Kalyani, Prof. Nikhil Ranjan Banerjea, Vice-Chancellor, Bengal Engineering & Science University, Dr. Ranajit Basu, Chairman, West Bengal Central School Service Commission & Syndicate Member, University of Calcutta, Dr. Soumitra Sarkar, Librarian, University of Calcutta, Shri Shyamal Mehta, EDUSAT, ISRO and Dr. Ratnabali Benerjee, Deputy Secretary, UGC, ERO, Kolkata. Dr. T.A.V. Murthy, Shri Manoj Kumar K and Dr. V.S. Cholin represented of the INFLIBNET Centre. 150 invited participants attended from colleges and universities of the region. There was wide coverage on the media and channel about the program in West Bengal.

11.3.5. Advanced Website Designing and Database Management, INFLIBNET, Ahmedabad, June 27 to July 1, 2005

The Centre organized specialized workshop on "Advanced Web Designing and Database Management" during June 27 to July 1, 2005. The Workshop was inaugurated by Prof. B V Buddhadev, HoD, MCA Department, LD College of Engineering, Ahmedabad. 22 participants from different institutes form all over the country participated in the workshop. Sh K Srinivas Senior systems Analyst, NIEPA, New Delhi and staff from the INFLIBNET served as faculty for the Programme. The lectures were mainly focused on various aspects relating to web designing, hosting and database management. The "hands-on" sessions were held in the afternoons. At the end of the workshop, feedback session was also arranged where-in participants expressed their confidence on implementation of what they have learnt within the short period of 5 days. Shri B Ramesh, Scientist – B, INFLIBNET Centre coordinated the programme.

11.3.6. DSpace Workshop at MG University Kottayam, Kerala, 9th to 13th May, 2005

A National Workshop on Building Digital Libraries using DSpace was jointly organized by MG University, Kottayam and INFLIBNET Centre at MG University, Kottayam between 9th and 13th May 2005. Dr. T A V Murthy inaugurated the Workshop and Dr. Jancy James, Vice Chancellor presided over the inaugural function. Dr. A R D Prasad and Dr. Devika Madally from DRTC and Shri Manoj Kumar K. were served as faculty. 30 participants attended the workshop.

11.3.7. Training Programme on Library Automation and Networking in Hindi Language, INFLIBNET Centre, Ahmedabad, 6th to 10th June 2005

The INFLIBNET Centre to promote Hindi as our National language. A Training Programme on Library Automation was conducted during 6th – 10th June 2005 to benefit the library professionals in Hindi speaking states. It was the Third Hindi Training Programme organized by the Centre. The programme was attended by 21 participants from across the country. Shri S K Sharma from the Centre coordinated the programme.

11.4. IRTPLA Training Programmes

The IRTPLA (INFLIBNET Regional Training Programme on Library Automation and Networking) was started with an aim to meet the needs of large number of libraries by conducting the regional level training, emphasizing the local needs and language for implementation of automation in the college libraries. The programme is very popular and large numbers of libraries are covered in a limited period of time. The INFLIBNET provides financial and technical assistance to the universities for conducting IRTPLA training programmes. During the period under report, the following two training programmes were conducted at Kohima, Kolkata and Nainital.

1. Nagaland University, Kohima, 28th March to 1st April, 2005
2. University of Kalyani, Kolkota, West Bengal, 4 – 8th April, 2005
3. Kumaun University, Nainital, 16 – 20th May, 2005

11.5. Training to M.L.ISc & B.L.I.Sc. Students of Gujarat University

INFLIBNET Centre conducted teaching and training programme in Information Technology paper of the Gujarat University for the B.L.I.Sc. and M. L. I. Sc. Students for the academic year 2005-06. The programme was held from 20th June, 2005 to 29th April, 2006. It was coordinated by Shri C.K.Shah, Admn. Officer (GS) with the help of Ms. Vaishali Parikh, Project Scientist (LS). Total of 51 students were taught different topics in computer and information sciences. The programme consisted of two sessions. Theory classes were followed by practical

classes. The faculty was drawn from INFLIBNET Centre and topics as per the Gujarat University syllabus were covered.

Facilities are also provided to BLIS, MLIS and PGDLAN students of IGNOU at the Centre for their courses Information Technology Applications in Libraries. These classes are taken by the scientists of the Centre. Both the programmes were offered after the office hours.

12. Academic Interaction with Universities and Other Research Institutions

As part of its initiatives to support academic activities the Centre is encouraging Gujarat and neighbouring state students of BE, MCA, MIT and MSc to undergo a practical training in software development. The students have to submit a project report to their respective institutes. The training period is generally 4 to 6 months depending upon the courses and institutions. The INFLIBNET has provided such training to about 12 students in this year.

13. Other Notable Activities

13.1. Librarian's Day Celebration

Dr. S.R. Ranganathan's Day was celebrated at H T Parekh Convention Centre, Ahmedabad Management Association. The programme was jointly organized by the INFLIBNET Centre, ADINET and Ahmedabad Management Association on 3rd September 2005. Shri Vishnu Varshney, MD, GVFL, Ahmedabad delivered the inaugural address. Sh. Mahendrabhai Patel, President AMA and Guest of Honour at this inaugural function made a very thought provoking talk. Sh. Kartikeya Sarabhai, Chairman, ADINET Governing Council and Director CEE delivered presidential remarks. Sh. P.C. Shah, Hon. Director, ADINET proposed vote of thanks. There were four technical sessions and five papers were presented on different aspects of e-products for libraries and information centres. Presentations from various publishing industries were also arranged during the technical sessions. More than 350 participants from in and around Ahmedabad attended the programme.

13.2. Independence Day Celebration

The 59th Independence Day of the Nation was celebrated in the Centre on 15th August, 2005. Dr. TAV Murthy, Director of the Centre hosted the national flag in the campus of the Centre. INFLIBNET staff, their families attended the flag hoisting ceremony. Professors and other staff members of the Gujarat University with their family who are residing in the staff quarters also attended the function. Dr. TAV Murthy highlighted the developments taking place in the all the sphere of activities of the Centre. Cultural programme was organized and the prizes were distributed to the winner.

13.3. Republic Day Celebration

The INFLIBNET family celebrated 57th Republic Day of India in its campus. Dr. T A V Murthy, Director hoisted the national flag and addressed the gathering. He highlighted the activities of the Centre and congratulated all the staff members for their excellent work. He emphasized that academic and research community in the country recognizes INFLIBNET's existence due to its services. Staff members of INFLIBNET with their family members and invitees attended the celebrations.

14. Financial Status

Some of the financial expenditure reflecting INFLIBNET activities over the last three years are given below. The Audited Accounts of the Financial Year 2005-2006 are given on the following pages.

	(Rupees in Lakhs)		
Expenditures	**2003-2004**	**2004-2005**	**2005-2006**
1.Capital	110.49	4.87	2.26
2. Operational/Administrative	154.74	153.11	143.95
3. Training Courses & Conference	17.08	15.47	11.34
4. Networking	8.16	9.23	7.16
5. Database Development	7.43	7.74	5.26
6. UGC-Infonet	Nil	Nil	Nil
7. E-Subscription	820.07	1722.43	1687.03

Grants in Aid received from UGC

Plan	186.25	55.00	37.50
Non-plan	60.80	203.89	100.00
UGC-infonet	Nil	Nil	750.00
E-subscription	1500.00	3060.50	1185.50
Automation - North East/J&K	Nil	Nil	Nil

RECEIPT & PAYMENT

	Account Head	F.Y. 2005-2006	
		(Current Year)	
		Receipt	Payment
1.	Cash on Hand (Op. Balance)	10,000.00	0.00
2.	Bank Balance (Op. Balance)		
	SBI,Guj.Uni.Br.-SB A/c.-10298781250	7,42,976.40	0.00
3.	Bank Balance (Op.Balance)		
	SBI,Guj.Uni.Br.-SB A/c.- 10298782049	0.00	0.00
4.	Cash on Hand (Cl. Balance)	0.00	10,000.00
5.	Bank Balance (Cl. Balance)		
	SBI,Guj.Uni.Br.-SB A/c.- 10298781250	0.00	9,47,851.77
6.	Bank Balance (Cl. Balance)		
	SBI,Guj.Uni.Br.-SB A/c.- 10298782049	0.00	2,21,741.92
7.	Advertisement Exps.	0.00	33,046.00
8.	Audit Fee	0.00	10,000.00
9.	Automation – North East/J&K	5,06,727.00	5,06,727.00
10.	Automation of Gujarat University Library	4,05,402.00	2,89,380.00
11.	Bank Charges	0.00	41,049.00
12.	Bonus	0.00	27,137.00
13.	Book Binding Charges	0.00	0.00
14.	Books & Journals	0.00	53,889.00
15.	Building Maintenance	0.00	84,421.00
16.	C.C.A. (Admn. Staff)	0.00	29,805.00
17.	C.C.A. (Technical Staff)	0.00	35,136.00
18.	CALIBER-2004	0.00	0.00
19.	CALIBER-2005	646.00	10,826.00
20.	CALIBER-2006	0.00	3,12,882.00
21.	Canteen Account	48,990.00	48,984.00
22.	Canteen Subsidy	0.00	37,961.00
23.	Car Loan Advance	40,080.00	0.00
24.	Cash Contra	3,25,21,622.00	3,25,21,622.00
25.	Computer Software	0.00	44,888.00
26.	Computers	1,11,725.00	21,006.00
27.	Conference & Symposium	16,000.00	2,02,980.00
28.	Consumable, Stores & Spares	32,710.00	2,34,459.00

29.	Conveyance Charges	0.00	413.00
30.	Database Development Exps.	0.00	5,26,485.00
31.	Dearness Allowance (Admn. Staff)	0.00	2,78,052.00
32.	Dearness Allowance (Technical Staff)	0.00	5,30,543.00
33.	Dearness Pay (Admn. Staff)	13,755.00	4,73,274.00
34.	Dearness Pay (Technical Staff)	0.00	8,78,662.00
35.	Earnest Money Deposit	20,000.00	18,000.00
36.	Electrical Maintenance	1,010.00	21,628.00
37	Electricity Charges	1,995.00	7,59,884.00
38	Entertainment Exps.	0.00	43,143.00
39	Equipment Maintenance	0.00	2,10,500.00
40	Equipment/Computer Grants-in-Aids	0.00	0.00
41	E-Subscription	2,33,091.00	2,33,091.00
42	Foreign Traveling Exps.	0.00	2,60,684.00
43.	Franking Machine Advance	1,81,361.00	1,75,000.00
44.	Furniture & Fixtures	5,906.00	0.00
45.	G.B. Meeting Expenses	467.00	2,16,607.00
46.	Garden Expenses	0.00	5,589.00
47.	General Advance	9,87,232.00	6,98,550.00
48.	General repairs & maintenance	3,561.00	28,751.00
49.	Group Insurance Saving	1,89,462.00	42,341.00
50.	GRUH Finance Ltd.	34,104.00	34,104.00
51.	Guest House Caretaking Charges	0.00	46,750.00
52.	H.D.F.C. A/c.	39,144.00	39,144.00
53.	Honorarium Exps.	0.00	2,150.00
54.	Hostel Charges	13,570.00	0.00
55.	Hostel Maintenance	0.00	0.00
56.	House Building Advance	66,250.00	0.00
57.	House Rent Allowance (Admn. Staff)	0.00	2,06,786.00
58.	House Rent Allowance (Technical Staff)	0.00	3,27,896.00
59.	IGNOU	14,350.00	0.00
60.	Income Tax	3,27,586.00	3,27,586.00
61.	Income & Expenditure A/c.	0.00	50,17,676.00
62.	INFLIBNET Centre Employees P.F. Account	8,92,699.00	8,92,699.00
63.	INFLIBNET Employees Co. Op. Credit Society Ltd.	2,90,379.00	2,90,379.00
64.	INFLIBNET Sports & Recreation Club	2,310.00	2,310.00
65.	Institutional Membership Fee	3,750.00	47,897.00
66.	Interest A/c.	1,27,05,643.29	0.00

67.	Interest on Scooter Loan	43,225.00	0.00
68.	Interim Relief (Admn. Staff)	0.00	0.00
69.	Investment in Fix Deposits	25,92,57,343.00	29,37,41,245.00
70.	Kendriya Vidyalaya A/c.	0.00	0.00
71.	L.C. Charges	0.00	0.00
72.	Legal & Professional Expenses	0.00	50.00
73.	Loss on Sale of Assets	0.00	2,88,911.00
74.	LTC Advance	36,073.00	28,360.00
75.	LTC Expenses	0.00	32,095.00
76.	L.I.C. of India	1,38,854.00	1,38,854.00
77.	MINI Computer	0.00	0.00
78.	Miscellaneous Income	70,784.00	59,900.00
79.	Miscellaneous Expenses	0.00	4,479.00
80.	Network Management for Library Workshop	1,500.00	0.00
81.	Networking Expenses	0.00	7,16,300.00
82.	Newsletter Publication Expenses	0.00	1,17,538.00
83.	Newspaper & Periodicals Expenses	0.00	75,231.00
84.	Office Equipments	75,480.00	7,665.00
85.	Office Expenses	0.00	2,472.00
86.	Office Rent	0.00	10,30,000.00
87.	Overtime Allowance (Admn. Staff)	0.00	6,126.00
88.	P.F. Contribution	8,750.00	1,82,800.00
89.	Pension & Gratuity	0.00	19,368.00
90.	Planner-2003	0.00	0.00
91.	Planner-2004	0.00	0.00
92.	Planner-2005	0.00	1,22,455.00
93.	Postage & Telegram Expenses	0.00	1,96,430.00
94.	Professional Fees	0.00	63,000.00
95.	Professional Tax	26,680.00	26,680.00
96.	Regional Training	50,000.00	1,95,554.00
97.	Reimbursement of Medicines	35.00	3,18,696.00
98.	Remuneration & Wages	0.00	5,43,282.00
99.	Rent for Director Residence-cum-Guest House	0.00	1,72,500.00
100.	Revenue Stamps A/c.	265.00	265.00
101.	Salaries (Admn. Staff)	7,963.00	9,39,155.00
102.	Salaries (Technical Staff)	74,865.00	24,77,348.00
103.	Salary Payable	37,16,741.00	37,16,741.00
104.	Sale of Computer	653.00	653.00

105.	Sale of Furniture & Fixture	1,700.00	1,700.00
106.	Sale of Office Equipment	442.00	442.00
107.	Sale of Scientific Equipment	570.00	570.00
108.	Scientific Equipment	97,500.00	99,000.00
109.	Scooter Loan	36,312.00	0.00
110.	Security Deposit	2,000.00	2,000.00
111.	Security Expenses	0.00	3,03,951.00
112.	Service Charges to AES Hostel	0.00	3,56,000.00
113.	Service Charges to Director's Residence-cum-Guest House	0.00	10,800.00
114.	Service Charges to Guest House	0.00	0.00
115.	SOUL Expenses	73,12,882.00	28,89,269.00
116.	Staff welfare	0.00	14,209.00
117.	Stationary & Printing Expenses	33,878.00	2,70,760.00
118.	Stock	99,881.00	71,159.00
119.	Subscription for Technical Journals	0.00	1,86,330.00
120.	Sundry Deposit	6,000.00	0.00
121.	TDS A/c.	13,292.00	72,197.00
122.	Telephone & Trunk Call Expenses	1,182.00	4,04,749.00
123.	Training Courses Exps.	0.00	0.00
124.	Transport Allowance (Admn. Staff)	0.00	37,100.00
125.	Transport Allowance (Technical Staff)	0.00	84,320.00
126.	Traveling Advance	2,92,862.00	2,92,900.00
127	Traveling Expenses	3,18,614.00	15,90,328.00
128.	U.G.C. Grants	2,35,17,000.00	97,67,000.00
129.	U.G.C. Grants for E-Subscription	24,41,66,000.00	29,43,19,087.00
130.	UGC INFONET	7,51,31,787.00	1,31,787.00
131.	UGC INFONET (Training)	1,25,000.00	0.00
132.	Vehicle Hire Charges	0.00	6,52,716.00
133.	National Workshop on Library Automation in Hindi	31,249.00	22,637.00
134.	Workshop on advance website designing	34,824.00	29,160.00
	BALANCE	66,51,96,689.69	66,51,96,689.69

For,

Navin & Deepak
Chartered Accountants
T-12/A, Vikram Chamber,
Ashram Road, Ahmedabad – 380 009.
Telephone No.:2754 6279

S/d.   S/d.   S/d.
(Deepak J. Shah)   (D. P. Negi)   (Dr. T.A.V. Murthy)
Partner   Admn. Officer (PA&F)   Director

Place: Ahmedabad   Place: Ahmedabad
Date: 31.05.2006   Date: 31.05.2006

Appendix - I

Council Members
(Up to 31st March, 2006)

Dr. Arun Nigavekar (President)
Chairman
University Grants Commission
Bahadur Shah Zafar Marg
New Delhi - 110 002

Prof. N. V. Rajasekaran Pillai
Vice Chairman
University Grants Commission
Bahadur Shah Zafar Marg
New Delhi - 110 002

Dr. S.Ramani
Director, Research HP Labs India,
Sterling Square No.3, Madras Bank Road
Bangalore - 560 001

Dr. Ved Prakash
Secretary
University Grants Commission
Bahadur Shah Zafar Marg
New Delhi - 110 002

Chairman
A I C T E
Indira Gandhi Sports Complex
I P Estate, Ring Road
New Delhi - 110 002

Director General
C S I R, Rafi Marg
New Delhi - 110 001

Chairman, I C S S R
JNU Institutional Area
Aruna Asaf Ali Road
P B No.10528, New Delhi - 110 067

Director
National Library
Belvedere
Kolkata - 700 027

Dr. M.D.Baby
University Librarian
Cochin University of Science &
Technology (CUSAT)
Kochi - 682 022 (Kerala State)

Dr. Gulshan Rai
Executive Director
ERNET India
6, CGO Complex, Lodhi Road
New Delhi - 110 003

Shri Shyed Shahid Mahdi
Vice chancellor, Jamia Milia Islamia
Mohamad Alijawahar Marg, Jamia Nagar
Delhi - 110 025

Dr. T.A.V.Murthy (Member Secretary)
Director
INFLIBNET Centre
Near Gujarat University Guest House,
Post Box No.4116, Navrangpura
Ahmedabad - 380 009

Dr. P. Prakash (Special Invitee)
Joint Secretary (IUC)
UGC, Bahadur Shah Zafar Marg,
New Delhi-110002

Governing Board Members
(Up to 31ˢᵗ March, 2006)

Dr. S.Ramani   (Chairman)
Director, Research
HP Labs India
Sterling Square
No.3, Madras Bank Road
Bangalore - 560 001

Prof. V.N.Rajasekharan Pillai   (Member)
Vice Chairman
University Grants Commission
Bahadur Shah Zafar Marg
New Delhi - 110 002

Dr. Ved Prakash   (Member)
Secretary
University Grants Commission
Bahadur Shah Zafar Marg
New Delhi - 110 002

Prof. A.U.Patel   (Member)
Vice Chancellor
Gujarat University
Navrangpura
Ahmedabad - 380 009

Dr. S.Venkateswaran   (Member)
Director
Birla Institute of Tech. & Science
Pilani -333031 Rajasthan

Prof. Shalini Urs   (Member)
Professor, Library & Inf. Science
University of Mysore
Mysore - 570 067 (Karnataka)

Prof. Nupur Prakash   (Member)
School of Information Technology
Guru Gobind Singh Indraprastha University
Kashmere Gate, Delhi - 110 006

Prof. G.Barua   (Member)
Head Director
Computer Science and Engineering
Indian Institute of Technology
Instituttion of Engrs. Building
Guwahati – 781 011 (Assam)

Member Secretary   (Member)
A I C T E
Indira Gandhi Sports Complex
I P Estate, Ring Road
New Delhi - 110 002

Dr. Y. Venkatarami Reddy   (Member)
Vice – Chancellor
Jawaharlal Nehru Technological University
Mahaveer Marg, Masab Tank
Hyderabad – 500 028, Andhra Pradesh

Dr. N. S. Rame Gowda   (Member)
Vice – Chancellor
Karnatak State Open Univeristy
Manasagangothri
Mysore – 570 006

Prof. V.N.Boraskar   (Member)
Director
Inter University Consortium
IUC, DAE Facilities
Indore – 452017 (Madhya Pradesh)

Dr. T.A.V.Murthy   (Member/Secretary)
Director, INFLIBNET Centre
Near. Gujarat University Guest House
Post Box No.4116, Navrangpura
Ahmedabad - 380 009 (Gujarat)

Dr. P. Prakash   (Bureau Head)
Joint Secretary (IUC)
UGC, Bahadur Shah Zafar Marg,
New Delhi-110002

Appendix - III

Finance Committee Members
(up to 31ˢᵗ March, 2006)

Dr. S.Ramani   Chairman
Director, Research
HP Labs India, Sterling Square
No.3, Madras Bank Road
Bangalore - 560 001

Dr. Ved Prakash   **(**Member)
Secretary
University Grants Commission
Bahadur Shah Zafar Marg
New Delhi - 110 002

Dr. T.A.V.Murthy   (Member)
Director
INFLIBNET Centre
Near. Gujarat University Guest House
Post Box No.4116, Navrangpura
Ahmedabad - 380 009

Shri Pawan Agarwal (IAS)   (Member)
Financial Advisor
University Grants Commission
Bahadur Shah Zafar Marg
New Delhi - 110 002

Head   (Member)
Project Planning Bureau
University Grants Commission
Bahadur Shah Zafar Marg
New Delhi -11 00 02

Shri S.M.Salgar   (Member)
Scientist-G
INFLIBNET Centre
Near. Gujarat University Guest House
Post Box No.4116, Navrangpura
Ahmedabad - 380 009

Shri D. P. Negi   (Non-Member/Secretary)
Admn. Officer (PA&F)
INFLIBNET Centre
Near. Gujarat University Guest House
Post Box No.4116, Navrangpura
Ahmedabad - 380 009

Dr. P. Prakash (Special Invitee)
Joint Secretary (IUC)
UGC, Bahadur Shah Zafar Marg
New Delhi-110002

Staff of the Centre as on 31st March 2006

Scientific & Technical

Sr.No.	Name of the employee	Designation
1	Dr. T.A.V. Murthy	Director
2	Shri S. M. Salgar	Scientist-G
3	Shri Manoj Kumar K.	Scientist-D (CS)
4	Shri Prem Chand	Scientist-C (LS)
5	Shri B. Ramesh	Scientist-B(CS)
6	Shri Y. R. Patel	Scientist-B (CS)
7	Shri S. K. Sharma	Scientist-B (CS)
8	Shri H. G. Hosamani	Scientist-B (LS)
9	Shri K. Prakash	Scientific/Technical Officer- I (LS)
10	Shri Rajesh Chandrakar	Scientific/Technical Officer- I (LS)
11	Shri U. H. Gohel	Scientific/Technical Assistant-II (CS)

Administrative & Support Staff

Sr.No.	Name of the employee	Designation
1	Shri C. K. Shah	Administrative Officer (G.S.)
2	Shri D. P. Negi	Administrative Officer (PA&F)
3	Shri A. P. Achtani	Section Officer
4	Shri S. R. Shah	Office Assistant.-II
5	Shri S. F. Vanikar	Office Assistant.-II
6	Smt. S. M. Munshi	Personal Assistant
7	Shri V. H. Oza	Office Assistant-II
8	Mrs. Yamini Dave	Clerk-cum-Typist
9	Mrs. R. B. Pendharkar	Clerk-cum-Typist
10	Shri A. B. Parikh	Clerk-cum-Typist
11	Shri S.T. Yadav	Helper
12	Shri V. B. Dantani	Helper
13	Shri B. M. Parmar	Lab. Attendant

Project Scientists

Sr.No.	Name of the employee	Designation
1	Ms. Elora Parida	P.S. (C&N)
2	Ms. S. D. Thiyam	P.S. (L.I.S.)
3	Ms. V. N. Parikh	P.S. (L.I.S.)
4	Sh. Suresh Chauhan	P.S.(L.I.S)

Library Trainees

Sr.No.	Name of the employee	Designation
1	Smt. Manisha R. Amrelia	Library Trainee (MLISc.)
2	Smt. Geeta Zala	Library Trainee (MLISc.)

Trainee Data Entry Operators

Sr.No.	Name of the employee	Designation
1	Shri Dipak N. Makwana	T.D.E.O.
2	Shri Pallav G. Parate	T.D.E.O.
3	Shri Amitkumar N. Parmar	T.D.E.O.
4	Shri Kalpesh P. Hadiyel	T.D.E.O.
5	Shri Alpesh K. Gajjar	T.D.E.O.
6	Shri P. C. Rathod	OA-DEO
7	Shri M. G. Shaikh	OA-DEO

STATEMENT SHOWING THE DETAILS OF SOUL SOFTWARE STATE WISE INSTALLATION

S. No.	Name of the State	SOUL Installation as on 31-03-2005	SOUL Installation as on 31-03-2006
1	Jammu & Kashmir	38	38
2	Himachal Pradesh	8	8
3	Punjab	47	54
4	Haryana	9	13
5	Uttaranchal	1	2
6	Delhi	12	13
7	Uttar Pradesh	16	18
8	Rajasthan	24	25
9	Gujarat	119	159
10	Daman	2	2
11	Madhya Pradesh	104	106
12	Bihar	5	7
13	Chhattisgarh	7	7
14	Jharkhand	1	1
15	Maharashtra	113	145
16	Goa	1	1
17	Andhra Pradesh	91	112
18	Karnataka	22	22
19	Kerala	51	64
20	Tamil Nadu	17	18
21	Pondicherry	0	2
22	Orissa	4	6
23	West Bengal	20	33
24	Manipur	3	3
25	Meghalaya	1	1
26	Mizoram	4	4
27	Nagaland	4	6
28	Arunchal Pradesh	0	1
29	Assam	42	43
30	Nepal	2	2
31	Tripura	0	0
32	North-Eastern Region-Special Programme for Library Automation	23	47
	Total	**791**	**961**

Universities Covered under UGC-InfoNet

SN	University Name	Connectivity
1	Alagappa Univ., Karaikudi	BB VSAT 256 Kbps
2	Aligarh Muslim Univ., Aligarh	SCPC 512 Kbps
3	Amravati Univ., Amravati	BB VSAT 256 Kbps #
4	Andhra Univ., Vishakhapatnam	SCPC 1 Mbps
5	Anna Univ., Chennai	LL 2 Mbps
6	Annamalai Univ., Annamalainagar	SCPC 512 Kbps
7	Arunachal Univ., Itanagar	SCPC 1 Mbps
8	Assam Univ.,Silhcar	SCPC 512 Kbps
9	Avinashilingam I.H.S.&H.E.W., Coimbatore	BB VSAT 256 Kbps #
10	Awadhesh Pratap Singh Univ, Rewa	BB VSAT 256 Kbps #
11	Babasaheb Bhimrao Ambedkar Univ., Lucknow	LL 256 Kbps #
12	Babasaheb Bhimrao Ambedkar Bihar Univ., Muzaffarpur	BB VSAT 256 Kbps #
13	Banaras Hindu University, Varanasi	LL 2 Mbps(1:3)
14	Banasthali Vidyapith, Banasthali	SCPC 512 Kbps
15	Bangalore Univ., Bangalore	LL 512 Kbps
16	Barkatullah Univ., Bhopal	LL 512 Kbps
17	Bengal Engineering & Science University, Howrah	LL 512 Kbps
18	Berhampur Univ., Berhampur	BB VSAT 256 Kbps #
19	Bharathiar Univ., Coimbatore	SCPC 512 Kbps
20	Bharathidasan Univ., Tiruchirappalli	SCPC 512 Kbps
21	Bharati Vidyapeeth, Pune	LL 512 Kbps
22	Bhavnagar Univ., Bhavnagar	BB VSAT 256 Kbps #
23	Birla Inst. of Tech. & Science, Pilani	SCPC 512 Kbps
24	Birla Inst. of Technology, Ranchi	SCPC 512 Kbps
25	Bundelkhand Univ., Jhansi	BB VSAT 256 Kbps #
26	Burdwan Univ., Burdwan	BB VSAT 256 Kbps #
27	Central Institute of English & Foreign Languages, Hyderabad	LL 256 Kbps #
28	Central Inst. of Higher Tibetan Studies, Varanasi	SCPC 512 Kbps
29	Chaudhary Charan Singh Univ., Meerut	LL 512 Kbps
30	Chhatrapati Sahuji Maharaj Univ., Kanpur	LL 256 Kbps #
31	Cochin Univ. Of Science & Tech., Cochin	LL 1 Mbps
32	Dayalbagh Edu. Inst. , Agra	BB VSAT 256 Kbps
33	Deccan College of Post G&R Inst., Pune	LL 512 Kbps

34	Deendayal Upadhyaya Uni., Gorakhpur	RL 256 Kbps #
35	Delhi Univ., New Delhi	LL 2 Mbps
36	Devi Ahilya Vishwavidyalaya, Indore	LL 512 Kbps
37	Dibrugarh Univ., Dibrugarh	SCPC 256 Kbps #
38	Dr. Babasaheb A. M. Univ, Aurangabad	SCPC 512 Kbps
39	Dr. Bhim Rao Ambedkar Univ, Agra	LL 512 Kbps
40	Dr. Harisingh Gour Vishwavidhyalay, Sagar	BB VSAT 256 Kbps
41	Dr. Ram Manohar Lohia Avadh Univ., Faizabad	BB VSAT 256 Kbps #
42	Gandhigram Rural Inst., Gandhigram	BB VSAT 256 Kbps #
43	Goa Univ., Panaji	SCPC 512 Kbps
44	Gokhale Inst. of Politics & Economics, Pune	LL 256 Kbps #
45	Gujrat Univ., Ahmedabad	SCPC 512 Kbps
46	Gujrat Vidyapith, Ahmedabad	BB VSAT 256 Kbps #
47	Gulbarga Univ., Gulbarga	SCPC 512 Kbps
48	Guru Ghasidas Univ., Bilaspur	BB VSAT 256 Kbps
49	Guru Jambeshwar Univ., Hissar	SCPC 256 Kbps #
50	Guru Nanak Dev Univ., Amritsar	SCPC 512 Kbps
51	Gurukula Kangri Vishwavidyalaya, Haridwar	BB VSAT 256 Kbps #
52	Gauhati Univ., Guwahati	LL 512 Kbps
53	Hemwati Nandan Bahuguna Univ., Garhwal	SCPC 512 Kbps
54	Himachal Pradesh Univ., Shimla	SCPC 512 Kbps
55	Indira Kala Sangeet Vishwavidyalaya, Khairagarh	BB VSAT 256 Kbps #
56	Guru Gobind Singh Indraprastha University, Delhi	LL 2 Mbps
57	Jadavpur Univ., Kolkata	LL 2 Mbps
58	Jai Narain Vyas Univ., Jodhpur	LL 512 Kbps
59	Jain Vishwa Bharati Inst., Ladnun	BB VSAT 256 Kbps #
60	Jamia Hamdard Univ., New Delhi	LL 2 Mbps
61	Jamia Milia Islamia Univ., New Delhi	LL 2 Mbps
62	Jawaharlal Nehru Technological Univ., Hyderabad	LL 2 Mbps (1:1)
63	Jiwaji Univ., Gwalior	BB VSAT 256 Kbps #
64	Jawaharlal Nehru University New Delhi	LL 2 Mbps
65	Kakatiya Univ., Warangal	BB VSAT 512 Kbps
66	Kalyani Univ., Kalyani	LL 256 Kbps #
67	Kameshwara S. Darbhanga Sanskrit Univ., Darbhanga	BB VSAT 256 Kbps #
68	Kannada Univ., Kamalpura	BB VSAT 256 Kbps #
69	Karnatak Univ., Dharwad	SCPC 512 Kbps
70	Kumaun Univ., Nainital	BB VSAT 256 Kbps #
71	Kurukshetra Univ., Kurukshetra	LL 512 Kbps

72	Kuvempu Univ., Shankaraghatta	BB VSAT 256 Kbps #
73	Lalit Narayan Mithila Univ., Darbhanga	BB VSAT 256 Kbps
74	Madurai Kamraj Univ., Madurai	SCPC 512 Kbps
75	Magadh Univ., BodhGaya	BB VSAT 256 Kbps
76	Maharaja Sayajirao Univ. of Baroda, Vadodara	SCPC 512 Kbps
77	Maharshi Dayanand Saraswati University, Ajmer	BB VSAT 256 Kbps
78	Maharshi Dayanand University, Rohtak	LL 2 Mbps
79	Mahatma Gandhi Antarrashtriya Hindi Vish., Wardha	BB VSAT 256 Kbps
80	Mahatma Gandhi Chitrakoot Gramodaya Vid., Chitrakoot	BB VSAT 256 Kbps #
81	Mahatma Gandhi Kashi Vidyapeeth, Varanasi	LL 256 Kbps
82	Mahatma Gandhi Univ., Kottayam	LL 1 Mbps
83	Mangalore Univ., Mangalore	SCPC 512 Kbps
84	Manipur Univ., Canchipur, Imphal	SCPC 1 Mbps
85	Manonmaniam Sundaranar Univ., Tirunelveli	BB VSAT 256 Kbps #
86	Maulana Azad National Urdu Univ., Hyderabad	LL 512 Kbps (1:3)
87	Mizoram Univ., Aizawl	BB VSAT 512 Kbps
88	MJP Rohilkhand Univ., Bareilly	BB VSAT 256 Kbps
89	Mohan Lal Sukhaina Univ., Udaipur	SCPC 512 Kbps
90	Mother Teresa Womens Univ., Kodaikanal	BB VSAT 256 Kbps #
91	Nagaland Univ., Kohima	BB VSAT 512 Kbps
92	Nagarjuna Univ., Guntur	SCPC 512 Kbps
93	Nagpur Univ., Nagpur	SCPC 512 Kbps
94	National Law School of India Univ., Bangalore	LL 256 Kbps #
95	North Eastern Hill Univ., Shillong	SCPC 1 Mbps
96	North Gujrat Univ., Patan	SCPC 512 Kbps
97	North Maharashtra Univ., Jalgaon	SCPC 512 Kbps
98	Osmania Univ., Hyderabad	LL 2 Mbps
99	Patna Univ., Patna	BB VSAT 256 Kbps
100	Pondichery Univ., Pondichery	BB VSAT 256 Kbps #
101	Potti Sreeramulu Telugu Univ., Hyderabad	LL 256 Kbps #
102	Pt. Ravishankar Shukla Univ., Raipur	SCPC 1 Mbps
103	Punjab Univ., Chandigarh	LL 1 Mbps (1:1)
104	Punjabi Univ., Patiala	BB VSAT 256 Kbps #
105	V B S Purvanchal University, Jaunpur	BB VSAT 256 Kbps #
106	Rabindra Bharati Univ., Calcutta	LL 512 Kbps
107	Rajasthan Vidyapith, Udaipur	BB VSAT 256 Kbps
108	Ranchi Univ., Ranchi	LL 512 Kbps

109	Rani Durgavati Vishwavidyalaya, Jabalpur	BB VSAT 256 Kbps #
110	Rashtriya Sanskrit Vidyapeeth, Tirupati	BB VSAT 256 Kbps #
111	Sambalpur Univ., Sambalpur	BB VSAT 256 Kbps #
112	Sampurnanand Sanskrit V.vidhyalaya, Varanasi	LL 256 Kbps
113	Sardar Patel Univ., Vallabh Vidyanagar	SCPC 512 Kbps
114	Saurashtra Univ., Rajkot	SCPC 512 Kbps
115	Shivaji Univ., Kolhapur	SCPC 512 Kbps
116	Shree Venkateshwara Univ., Tirupati	SCPC 512 Kbps
117	Shri Lal Bahadur Shatri Rashtriya Sanskrit Vid., Delhi	LL 256 Kbps
118	Shri Padmavati Mahila V.vidhya, Tirupati	BB VSAT 256 Kbps #
119	SNDT Womens University, Mumbai	LL 2 Mbps
120	South Gujrat Univ., Surat	SCPC 512 Kbps
121	Sri Chandresekharendra S. Viswa Mahavidyalaya, Kancheepuram	BB VSAT 256 Kbps #
122	Shree Jagannath Sanskrit Visvadyalaya, Puri	BB VSAT 256 Kbps
123	Sri Krishnadevaraya Univ., Anantapur	BB VSAT 256 Kbps
124	Sri Sathya Sai University, Prasanthinilayam	BB VSAT 256 Kbps #
125	Swami Ramanand & Teerth Marathwada Univ., Nanded	SCPC 512 Kbps
126	Tamil Univ., Thanjavur	BB VSAT 256 Kbps #
127	Tata Inst. of Social Science, Mumbai	LL 2 Mbps
128	Tejpur Univ., Tejpur	SCPC 512 Kbps
129	Thapar Inst. of Engg & Tech., Patiala	SCPC 512 Kbps
130	Tilak Maharashtra Vidyapeeth, Pune	LL 256 Kbps #
131	Tilka Manjhi Bhagalpur Univ., Bhagalpur	BB VSAT 256 Kbps #
132	Tripura Univ., Agartala	SCPC 512 Kbps
133	Univ. of Allahabad, Allahabad	LL 2 Mbps
134	Univ. of Calcutta, Calcutta	LL 2 Mbps (1:1)
135	Univ. of Calicut, Kozhikode	LL 1 Mbps
136	Univ. of Hyderabad, Hyderabad	LL 2 Mbps
137	Univ. of Jammu, Jammu	SCPC 1 Mbps
138	Univ. of Kashmir, Srinagar	SCPC 1 Mbps
139	Univ. of Kerela, Thiruvananthapuram	LL 1 Mbps
140	University of Lucknow, Lucknow	LL 2 Mbps
141	Univ. of Madras, Chennai	LL 2 Mbps
142	Univ. of Mumbai, Mumbai	LL 2 Mbps
143	Univ. of Mysore, Mysore	LL 512 Kbps
144	Univ. of North Bengal, Siliguri	SCPC 512 Kbps
145	Univ. of Pune, Pune	LL 2 Mbps (1:1)

146	Univ. of Rajasthan, Jaipur	LL 2 Mbps
147	Utkal Univ., Bhubaneshwar	LL 2 Mbps
148	Vidyasagar Univ., Midnapore	BB VSAT 1 Mbps
149	Vikram Univ., Ujjain	LL 512 Kbps
150	Vishva Bharati, Santiniketan	SCPC 512 Kbps

Legend: # - Increased to 256 Kbps

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