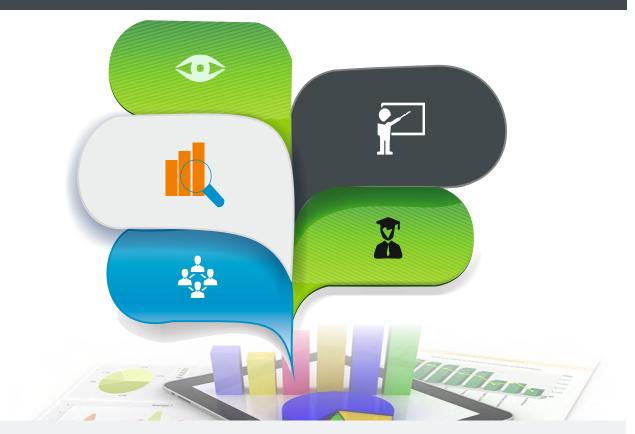


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Article

Ranking Model for Indian Higher Educational Institutions through NIRF

Abhishek Kumar, Scientist C (CS) and Raja V, Scientist B (CS)

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From Director's Desk



The year was marked with launching of e-ShodhSindhu: Consortium for Higher Education e-Resources constituted with merger of three existing consortia namely, i) UGC-Infonet Digital Library Consortium; ii) INDEST-AICTE Consortium; and iii) N-LIST. Some of the major achievements of e-ShodhSindhu include i) 5.9% increase in number of unique journal titles, i.e. from 11,064 to 11,719 with substantial increase in access to journals for each categories of institutions; ii) print–independent subscription to the entire collections of Oxford University Press and Emerald to all categories of institutions; iii) no increase in rates of subscription over 2015 rates in case of 14 publishers; iv) decrease in rates of subscription with increase in number of subscription rates applicable to universities in case of three publishers; vi) applicability of TDS deduction without increase in subscription rates for all publishers which essentially meant that 10 to 11% of total payments made to the publishers is recovered as tax from the publishers; and vii) total savings by the eSS and member institutions is estimated to be Rs. 30.55 crores which includes savings on no-increase in rates of subscription, lower rates of subscription and discontinuation of print subscription to OUP and Emerald journals by the member institutions.

This issue of the Newsletter provides a statistical view of activities and services of the INFLIBNET Centre offered to the academic community in institutions of higher education in India. I am indeed pleased to announce that e-PG Pathshala, a project funded by the National Mission on Education through ICT, started in 2012, is now close to completion encompassing 69 subjects, 1,000 papers with 10,000 + e-text and 6,000 self-learning videos that are now available online for users through e-PG Pathshala portal.

Imparting training to librarians working in institutions of higher education is one of our priorities that are being given thrust. During the quarter under report, two training programmes on SOUL 2.0 were organized one at INFLIBNET Centre and Gujarat Vidyapith, Ahmedabad. Three User Awareness Programmes on Shodhganga and URKUND were organized in Bharathiar University, Coimbatore, Madurai Kamaraj University, Madurai and Panjab University, Chandigarh. Besides, three specialized training programmes and National Workshops were organized at INFLIBNET Centre, Gandhinagar on different topics including D-Space, research methodology, plagiarism detection and research integrity. Two National Workshops on Capacity Building Programmes for Public Library Professionals were organized at the INFLIBNET Centre with funding from the National Mission on Libraries, Ministry of Culture. Furthermore, a National Workshop on Digital Content Creation and Management using DSpace was organized at the IPS Academy, Indore from 4th to 8thJanuary, 2016.

A special lecture on "An Insight into Content and Indexing of Databases from Chemical Abstracts Service" was delivered by Dr. Matthew J Toussant, Senior Vice-President, Product and Content Operations, Chemical Abstracts (CAS), USA at the INFLIBNET Centre, Gandhinagar on 17th February, 2016. Besides, staff and scientists of INFLIBNET Centre, several other librarians from neighbouring institutions attended the lecture.

The first meeting of the Project Review and Supervisory Group (PRSG) was organized for Vidwan Project funded by the National Mission on Education through ICT at the INFLIBNET Centre on 19thMarch, 2016. The Committee, after detailed discussions and deliberations with PIs and Project staff, recommended that the project should be continued with additional thrust from MHRD. The members of the Committee made several important recommendations for improving the database and for populating it with many more research profiles of experts.

This issue of the Newsletter includes a feature article on "Ranking Model for Indian Higher Educational Institutions through NIRF" by Mr. Abhishek Kumar, Scientist-C (CS) and Mr. Raja V, Scientist-B(CS), INFLIBNET Centre, wherein They have shared his experience of executing the NIRF's Indian Rankings 2016 at the INFLIBNET Centre.

A detailed write-up on "AContent: Learning Content Management System" under Open Source Software section is included in this issue of the Newsletter. I am sure that our readers would enjoy going through this issue of the Newsletter.

(Jagdish Arora)

Training Programme on SOUL 2.0, INFLIBNET Centre, Gandhinagar

Training Programme on SOUL 2.0, INFLIBNET Centre, Gandhinagar

The INFLIBNET Centre regularly conducts SOUL 2.0 Training Programme to impart training on installation and operation of SOUL software for its users. During this quarter under report, 124th Training Programme on SOUL 2.0 was organized at INFLIBNET Centre from 8th to 13th February, 2016. The Programme was coordinated by Mr. H G Hosamani, Scientist C (LS), INFLIBNET Centre. 20 participants including library science and computer science professionals from across the country attended training programme.



Participants of 124th Training Programme on SOUL 2.0 with the Mr. Pradeep Kaul, NME-ICT, Prof. Uma Kanjilal, IGNOU, Dr. Jagdish Arora, Director and Technical Staff of the INFLIBNET Centre

Onsite / In-House Training Programme on SOUL 2.0

Three-day In-House Training Programme on SOUL 2.0, Gujarat Vidyapith, Ahmedabad, 16th-18th March, 2016



Participants of In-House Training Programme on SOUL 2.0 at Gujarat Vidyapith, Ahmedabad



Three-day In-house Training Programme of SOUL 2.0 was organized by Gujarat Vidyapith, Ahmedabad in collaboration with INFLIBNET Centre, Gandhinagar at Gujarat Vidyapith Library, Ahmedabad from 16th to 18th March, 2016. Mrs. Pagnya Pathak, Librarian coordinated the programme. During the technical sessions, Mr. H G Hosamani, Scientist C (LS), Mrs. Vaishali Shah, Scientist B (LS) and Mrs. Hema Cholin,

STO (LS) demonstrated functioning of various modules of SOUL Software including Administration, Catalogue, Serial Control, Acquisition and Circulation. Mr. Vijaykumar Shrimali, STA (CS) and Ms. Nabila Sheikh, Project Officer (CS), INFLIBNET Centre were resource persons in practical sessions. 32 participants attended the programme. Mrs. Pagnya Pathak extended a warm vote of thanks at the end of the programme.

User Awareness Programme on Shodhganga and URKUND: A Plagiarism Detection Tool

One-day User Awareness Programme on Shodhganga and URKUND: A Plagiarism Detection Tool, Bharathiar University, Coimbatore, 28th January, 2016

One-day User Awareness Programme on Shodhganga and URKUND: A Plagiarism Detection Tool was organized by Arignar Anna Central Library, Bharathiar University in collaboration with INFLIBNET Centre, Gandhinagar at Nachimuthu Seminar Hall, Bharathiar University, Coimbatore on 28th January, 2016. Dr. N. Thirunavakkarasu, Assistant Librarian and Coordinator of the programme welcomed the guests and participants. Dr. R. Sarangapani, University Librarian and Convenor of the programme spoke about the university library and importance & purpose of this Workshop. He highlighted the problems and issues faced by faculty and research scholars and students of the university in accessing e-resources. Dr. K. G. Senthilvasan, Registrar inaugurated the programme. In his inaugural address, Dr. Senthilvasan appreciated the initiatives taken by the library for organizing such kind of Workshops in collaboration

with INFLIBNET Centre for faculty members, research scholars and library professionals. He also emphasized the need of such programmes in rapidly changing scenario. He said that the expectations from the libraries are increasing day by day since the libraries are having more and more digital content. He further said that the libraries of the future would increasingly consist of e-Books, e-Journals, databases and new innovative library services and programmes. Dr. P. Kamalakannan, Member, VC Committee presided over the function. Mr. Manoj Kumar K, Scientist D (CS), INFLIBNET Centre delivered the kevnote address. He explained current status and new programmes taken by the INFLIBNET Centre for the universities. He elaborated on the activities and services of INFLIBNET Centre. Mr. V. Rajendran, Assistant Librarian extended a warm vote of thanks to all participants and guests at the end of the programme. Around 170 participants attended the programme. Research scholars and faculty members interacted with the expert from INFLIBNET Centre during all the sessions.



Participants of User Awareness Programme on Shodhganga and URKUND: A Plagiarism Detection Tool at Bharathiar University, Coimbatore

One-day User Awareness Programme on Shodhganga and URKUND: A Plagiarism Detection Tool, Madurai Kamaraj University, Madurai, 29th January, 2016

One-day User Awareness Programme on Shodhganga and URKUND: A Plagiarism Detection Tool was organized by Madurai Kamaraj University in collaboration with INFLIBNET Centre, Gandhinagar at Madurai Kamaraj University, Madurai on 29th January, 2016. Dr. B. Suresh, University Librarian welcomed the guests and participants. He gave brief overview of Shodhganga and plagiarism detection tool. Dr. A. Muthumanickam, Registrar I/C inaugurated the programme. Mr. Manoj Kumar K., Scientist D (CS), INFLIBNET Centre made a detailed presentation on Shodhganga, Shodhgangotri and URKUND: a plagiarism detection tool. He demonstrated the process of uploading theses into Shodhganga and checking chapters of a thesis for plagiarism using URKUND. He also presented the statistical data on Shodhganga and requested the university to upload their thesis into Shodhganga. Around 320 participants including faculty members and research scholars from affiliated colleges attended the programme.



Mr. Manoj Kumar K., Scientist D (CS), INFLIBNET Centre delivered a lecture during User Awareness Programme on Shodhganga and URKUND: A Plagiarism Detection Tool at Madurai Kamaraj University, Madurai One-day User Awareness Programme on Shodhganga and URKUND: A Plagiarism Detection Tool, Panjab University, Chandigarh, 10th February, 2016



Mr. Manoj Kumar K., Scientist D (CS), INFLIBNET Centre delivered a lecture during User Awareness Programme on Shodhganga and URKUND: A Plagiarism Detection Tool at Panjab University, Chandigarh

One-day User Awareness Programme on Shodhganga and URKUND: A Plagiarism Detection Tool was organized by A C Joshi Library, Panjab University in collaboration with INFLIBNET Centre, Gandhinagar at ICSSR Auditorium, Panjab University, Chandigarh on 10th February, 2016. Dr. Raj Kumar, University Librarian and Coordinator of the programme welcomed guests and participants. Prof. O P Katare, Director, Research Promotion Cell inaugurated the programme. In his inaugural address, he spoke about importance of submitting the theses in Shodhganga. He said that the Panjab University will proactively complete the process of digitisation of theses within three months. Mr. Manoj Kumar K., Scientist D (CS), INFLIBNET Centre made a detailed presentation on Shodhganga, Shodhgangotri and URKUND: a plagiarism detection tool. He demonstrated the process of uploading theses into Shodhganga and checking chapters of a thesis for plagiarism using URKUND. He also presented the statistical data on Shodhganga project and requested the university to upload their theses into Shodhganga. Dr. Rashmi Yadav, Deputy Librarian extended a warm vote of thanks. Around 120 participants including faculty members and research scholars from affiliated colleges attended the programme.

Specialized Training Programmes and National Workshops

Five-day National Workshop on Digital Content Creation and Management using DSpace, IPS Academy, Indore, 4th -8th January, 2016

Five-day National Workshop on Digital Content Creation and Management using DSpace was organized by IPS Academy in collaboration with INFLIBNET Centre, Gandhinagar at Institute of Library Science, IPS Academy, Indore from 4th to 8th January, 2016. Dr. Ashutosh Mishra, Vice-Chancellor, Devi Ahilya Vishwavidyalaya inaugurated the programme with lighting of traditional lamp in presence of Dr. Sonal Singh, HOD, DLIS, Vikram University, Dr. Achal Choudhary, President, Dr. M. L. Sharma, Director, Institute of Science & Laboratory Education, Dr. Sangeeta Paliwal, HOD, Institute of Library Science and Organizing Secretary of theWorkshop, IPS Academy, Mr. Swapnil Patel, Scientist B (CS) and Mr. Vijaykumar Shrimali, STA (CS), INFLIBNET Centre.



Participants of National Workshop on Digital Content Creation and Management using DSpace at IPS Academy, Indore

Dr. Ashutosh Mishra, in his presidential address, appreciated to IPS Academy, Indore for organizing such kind of Workshop for library professionals. Dr. Sonal Singh appreciated the efforts of organizing secretary of the Workshop. She opined that printed books are also having the some important in this digitized world. Dr. Achal Choudhary stated that re search should be undertaken on the reasons for decrease in the usage of library. Dr. M. L. Sharma mentioned that library science department is working under science discipline in IPS Academy essentially to underline its importance and contribution in research and development.

In the Technical Sessions, Mr. Swapnil Patel elaborated the activities and services of INFLIBNET Centre. Mr. Swapnil Patel and Mr. Vijaykumar Shrimali delivered detailed lectures on DSpace. Dr. Sonal Singh delivered a lecture on "Library automation and latest trends in ICT". Mr. Neeraj

Mehta and Mr. Sourabh Jain, Assistant Professors, Institute of Engineering & Science, IPS Academy took theoretical and practical session of Linux. Mr. Santosh C. Huglabali, Librarian, Nagindas Khandwana College, Mumbai delivered a lecture on "Digitization and Digital Preservation issues and challenges" and "Metadata Standards for digital content". Dr. Sangeeta Paliwal, HOD, Institute of Library Science, IPS Academy delivered a lecture on "Reference management tools and new arrival display tool."

In the valedictory function Dr. V.P. Khare, Professor and Head, DLIS, Bundelkhand University, Jhansi was the Chief Guest of the programme. Dr. Sonal Singh, HOD, DLIS, Vikram University was Chief Speaker of the programme. Dr. M. L. Sharma, Director, Institute of Science and Laboratory Education, IPS Academy complemented the organizers for the Workshop. Dr. Sangeeta Paliwal extended a warm vote of thanks. 39 participants attended the Workshop.

Five-day National Workshop on Capacity Building Programme of National Mission on Libraries for Public Library Personnel, INFLIBNET Centre, Gandhinagar, 18th-22nd January, 2016

Five-day National Workshop on Capacity Building Programme of National Mission on Libraries for Public Library Personnel was organized at INFLIBNET Centre, Gandhinagar from 18th to 22nd January, 2016. Mr. H G Hosamani, Scientist C (LS), Mr. Kannan P, Scientist C (LS) and Mr. Miteshkumar Pandya, Scientist B (LS), INFLIBNET Centre coordinated the programme. Dr. Jagdish Arora, Director inaugurated the programme. 33 participants attended the programme. The National Workshop covered theoretical and practical sessions on the following topics related to Capacity Building Programme:

Topics	Name of the Experts
National Mission on Libraries : An Overview	Mr. Manoj Kumar K, Scientist D (CS), INFLIBNET Centre
Library Automation: Overview and Open Source Tools for Libraries	Mr. Abhishek Kumar, Scientist C (CS), INFLIBNET Centre
Library Automation : (Acquisition-Koha)	Mr. Miteshkumar Pandya, Scientist B (LS), INFLIBNET Centre
Emerging Trends for Libraries in Context of Public Libraries	Prof. Dinesh K Gupta, Associate Professor, Vardhaman Mahaveer Open University
Understanding Modern Library Standards MARC and Dublin Core	Mr. Dinesh R Pradhan, Scientist B (LS), INFLIBNET Centre
Library Automation (Cataloguing, Circulation and OPAC-Koha)	Mr. H G Hosamani, Scientist C (LS), INFLIBNET Centre
Multilingual information representation through Unicode for Indic Scripts	Mr. Yatrik Patel, Scientist D (CS), INFLIBNET Centre
Standards and Formats for Digitization, Digitization Process and Hands On Practice	Mr. Manoj Kumar, Scientist D (CS), INFLIBNET Centre
Use of Social Media and other Web 2.0 tools for Libraries	Ms. Kruti Trivedi, Scientist B (LS), INFLIBNET Centre
Changing Roles of Public Libraries and Community Based Information Services	Dr. Parthasarathi Mukhopadhyay, Head, DLIS, Kalyani University
Introduction to e-resources and Discovery Tools	Mr. Pallab Pradhan, Scientist B (LS), INFLIBNET Centre
Koha: Advanced Cataloguing	Dr. Parthasarathi Mukhopadhyay, Head, DLIS, Kalyani University
Library Services for Specially abled persons	Dr. Sewa Singh, Retd. Professor, Gurunanak Dev University
Effective Communication Skill	Dr.T S Kumbar, Librarian, IIT Gandhinagar



Participants of National Workshop on Capacity Building Programme of National Mission on Libraries for Public Library Personnel with the Director and Technical Staff of INFLIBNET Centre

Three-day Advanced Training Programme on Configuration and Management of Digital Library using Dspace, INFLIBNET Centre, Gandhinagar, 27th-29th January, 2016

The INFLIBNET Centre organized three-day advanced Training Programme on Configuration and Management of Digital Library using Dspace from 27th to 29th January, 2016. Mr. Yatrik Patel, Scientist D (CS), Mr. H G Hosamani, Scientist C (LS) and Mr. Swapnil Patel, Scientist B (CS) coordinated the Workshop. This Workshop aimed to address various advanced issues related to customization and management of DSpace for existing DSpace users who may need more insights, and in-depth knowledge on how to further enhance the usage, its maintenance and customization, with theoretical lectures and hands-on training by experts. 3 library and computer professionals participated in the Workshop. Mr. Yatrik Patel, Scientist D (CS), Mr. Swapnil Patel, Scientists B (CS) and Mr. Vijay Shrimali, STA (CS) from INFLIBNET Centre served as resource persons for the Workshop.



Participants of Advanced Training Programme on Configuration and Management of Digital Library using DSpace with Technical Staff of the INFLIBNET Centre

Five-day National Workshop on Capacity Building Programme of National Mission on Libraries for Public Library Personnel, INFLIBNET Centre, Gandhinagar, 15th-19th February, 2016

Five-day National Workshop on Capacity Building Programme of National Mission on Libraries for Public Library Personnel was organized at INFLIBNET Centre, Gandhinagar from 15th to 19th February, 2016. Mr. H G Hosamani, Scientist C (LS), Mr. Kannan P, Scientist C (LS) and Mr. Miteshkumar Pandya, Scientist B (LS), INFLIBNET Centre coordinated the programme. 6 participants from Public Libraries of Goa participated in the programme. The National Workshop covered theoretical and practical sessions on the following topics related to Capacity Building Programme:

Topics	Name of the Experts
National Mission on Libraries : An Overview	Mr. Manoj Kumar K, Scientist D (CS), INFLIBNET Centre
Library Automation: Overview and Open Source Tools for Libraries	Mr. Abhishek Kumar, Scientist C (CS), INFLIBNET Centre
Library Automation : (Acquisition-Koha)	Mr. Miteshkumar Pandya, Scientist B (LS), INFLIBNET Centre
Emerging Trends for Libraries in Context of Public Libraries	Video Tutorial
Understanding Modern Library Standards MARC and Dublin Core	Mr. Dinesh R Pradhan, Scientist B (LS), INFLIBNET Centre
Koha- Cataloguing, Circulation and OPAC	Mr. H G Hosamani, Scientist C (LS), INFLIBNET Centre
Multilingual information representation through Unicode for Indic Scripts	Mr. Yatrik Patel, Scientist D (CS), INFLIBNET Centre
Standards and Formats for Digitization, Digitization Process and Hands On Practice	Mr. Manoj Kumar, Scientist D (CS), INFLIBNET Centre
Use of Social Media and other Web 2.0 tools for Libraries	Ms. Kruti Trivedi, Scientist B (LS), INFLIBNET Centre
Changing Roles of Public Libraries and Community Based Information Services	Video Tutorial
Introduction to e-resources and Discovery Tools	Mr. Pallab Pradhan, Scientist B (LS), INFLIBNET Centre
Library Services for Specially abled persons	Prof. Muttayya Koganuramath, Head, SLIS, Central University of Gujarat
Effective Communication Skill	Mr. Manoj Kumar, Scientist D (CS), INFLIBNET Centre



Participants of National Workshop on Capacity Building Programme of National Mission on Libraries for Public Library Personnel with Director and Technical Staff of the INFLIBNET Centre

Two-day National Workshop on Research Methodology and Academic Writing, INFLIBNET Centre, Gandhinagar, 22nd-23rd February, 2016

Two-day National Workshop on Research Methodology and Academic Writing was organized at INFLIBNET Centre, Gandhinagar from 22nd to 23rd February 2016. Mr. Manoj Kumar K, Scientist D (CS) coordinated the Workshop and welcomed the participants. He gave an overview of the programme. Mr. Arindam Das, Director, NIFT Gandhinagar inaugurated the Workshop with lighting of traditional lamp in presence of Dr. Jagdish Joshi, Offtg. Director, UGC-Human Resource Development Centre, Gujarat University, Mr. Manoj Kumar K., Scientist D (CS) and Mr. H G Hosamani, Scientist C (LS), INFLIBNET Centre. In his Inaugural address, he spoke about methodologies for research conducted in the field of fashion designing and various writing skills. Mr. H G Hosamani extended a warm vote of thanks at the end of the inaugural session. 23 participants including LIS professionals and research scholars attended the programme. Details of lectures delivered by experts during the training programme are as follows:

Topics	Name of the Experts
Qualitative Academic Writing and Publications	Dr. Jagdish Joshi, UGC-Human Resource Dev. Centre, Gujarat University
Shodhganga and Deterring Plagiarism in Research Outputs and e-Resources for Research	Mr. Manoj Kumar K., Scientist D(CS), INFLIBNET Centre
Research Methodology & Planning of Research	Dr. Vijaylaxmi Chari, Ex. Director, School of Commerce, Gujarat University
Ethics in Research	Dr. Nikhil A. Gokhale, Associate Director, RK University, Rajkot
Use of Reference Management Tools and Writing of Research Report	Mr. Miteshkumar Pandya, Scientist B (LS), INFLIBNET Centre
Assessing and Evaluating Research Performance using Bibliometric Indicators	Ms. Kruti Trivedi, Scientist B (LS), INFLIBNET Centre
Statistical Methods for Research Data Analysis using SPSS	Mr. Hiteshkumar Solanki, Scientist B (CS), INFLIBNET Centre
Anti-Plagiarism Tools for Quality of Research	Ms. Suboohi Siddiqui, STO (LS), INFLIBNET Centre

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Two-day National Workshop on Ethical Issues and Use of Anti-Plagiarism for Research Integrity, INFLIBNET Centre, Gandhinagar, 21st-22nd March, 2016

Two-day National Workshop on Ethical Issues and Use of Anti-Plagiarism for Research Integrity was organized at INFLIBNET Centre, Gandhinagar from 21st to 22nd March, 2016. Mr Manoj Kumar K, Scientist D (CS) coordinated the Workshop. He welcomed the participants and gave an overview of the programme. Dr. Savita R. Gandhi, Head, Rollwala Computer Centre, Gujarat University, Ahmedabad inaugurated the Workshop. In her Inaugural address, she spoke about methodologies for research and planning of research with use of anti-plagiarism tools. Mr H G Hosamani, Scientist C (LS) extended a warm vote of thanks at the end of the inaugural session. 12 participants including LIS professionals from North-East region and research scholars attended the programme. Details of lectures delivered by experts during the training programme are as follows:

Topics	Name of the Experts
Research Methodology and Planning of Research	Dr. Savita R. Gandhi, HOD, Rollwala Computer Centre, Gujarat University
Anti-Plagiarism Tools for Quality of Research	Mr. Manoj Kumar K., Scientist D (CS) and Ms. Suboohi Siddiqui, STO (LS), INFLIBNET Centre
Qualitative Academic Writing and Publications	Dr. Jagdish Joshi, UGC-Human Resource Dev. Centre, Gujarat University
Ethics in Research	Dr Nikhil A. Gokhale, Associate Director, RK University, Rajkot
Statistical Methods for Research Data Analysis using SPSS	Dr. Raju Chaudhary, Associate Professor, Dept. of Statistics, MG Science Institute, Ahmedabad
Use of Reference Management Tools and Writing of Research Report	Mr. Miteshkumar Pandya, Scientist B (LS), INFLIBNET Centre
Assessing and Evaluating Research Performance using Bibliometric Indicators	Ms. Kruti Trivedi, Scientist B (LS), INFLIBNET Centre

Lecture on "An Insight into Content and Indexing of Databases from Chemical Abstracts Service", INFLIBNET Centre, Gandhinagar, 17th February, 2016

The INFLIBNET Centre organized a lecture on "An Insight into Content and Indexing of Databases from Chemical Abstracts Service" by Dr. Matthew J. Toussant, Senior Vice President, Product and Content Operations, Chemical Abstracts Service (CAS), Columbus, Ohio, USA at Training Lab-II, INFLIBNET Centre on 17th February, 2016. 60 participants including Scientists and Staff of INFLIBNET Centre, IIT-Gandhinagar and other universities of Gandhinagar and Ahmedabad attended the lecture. Mr. H G Hosamani, Scientist C (LS) coordinated the programme.

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Meeting of Project Review and Supervisory Group (PRSG), VIDWAN Project

The first meeting of the PSRG for VIDWAN Project was held at INFLIBNET Centre, Gandhinagar on 19th March, 2016. Mr. Manoj Kumar K, Scientist D (CS) welcomed the PRSG members and briefed about the project. A detailed presentation on VIDWAN was made, which highlighted on various features and functionalities on the interface, work progress, current status and future direction, etc. The responsive interface was demonstrated to committee which was designed considering the fact of that increasing number of users access the database through mobiles and tabs. Beta version of customized VIVO-Semantic interface, which has the facility to generate co-author network, map of science network based on the publications etc. was also demonstrated to the Members of PRSG. The committee went through each and every feature and functionality of the interface. The members were satisfied with the progress of the project and appreciated that a large number of the experts from Institutions of National Importance are available in the database and emphasized that all the faculty members from IITs, NITs, Central Universities, IIITs, IISERs, etc. should be included in the database. The committee emphasized on the importance of the project and insisted on modification in the eligibility criteria and data populating strategies. Members emphasized that the database has to be further strengthened with more number of experts particularly in arts, science and social science stream.

The following Members of PRSG and INFLIBNET Staff attended the Meeting:

PRSG Members

1. Prof. Mangala Sunder, Professor, IIT Madras (Chairperson)

- 2. Prof. Uma Kanjilal, Professor, Department of Library and Information Science, IGNOU, New Delhi
- 3. Mr. Pradeep Kaul, Sr. Consultant, NMEICT/MHRD, New Delhi

INFLIBNET Staff

- Mr. Manoj Kumar K, Scientist D(CS), INFLIBNET Centre
- 2. Mr. Kannan P, Scientist-C (LS), PI, INFLIBNET Centre
- 3. Mr. Yatrik Patel, Scientist-D (CS), Co. PI, INFLIBNET Centre
- 4. Mr. Abhishek Kumar, Scientist-C (CS), Co. PI, INFLIBNET Centre
- 5. Mr. Sanjay Pillai, Project Associate (LS), INFLIBNET Centre
- 6. Ms. Bhakruti Rashtrapal, Project Assistant (LS), INFLIBNET Centre
- 7. Ms. Dipika Makwana, Project Assistant (LS), INFLIBNET Centre

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E-ShodhSindhu

Based on the recommendations of the Expert Committee on Library Consortium constituted to survey the current scenario of Government-funded library consortia in India, the MHRD formed e-ShodhSindhu: Consortium for Higher Education Electronic Resources by merging three existing consortia initiatives, namely; UGC-INFONET Digital Library Consortium, NLIST and INDEST-AICTE Consortium. The e-ShodhSindhu provide current as well as archival access to more than 15,000 core and peer-reviewed journals and a number of bibliographic, citation, legal and factual databases in different disciplines from a large number of publishers and aggregators to its member institutions including centrally-funded technical institutions, universities and colleges that are covered under 12(B) and 2(F) Sections of the UGC Act.

The e-ShodhSindhu is offering access to more than 15000 full-text journals from 25 publishers, 5 bibliographic databases, 2 legal databases, 4 factual databases and one standards database to 356 institutions. The access to the e-resources is provided to various categories of institutions including CFTIs, Central Universities, 12(B) Universities, National law schools / Universities and IUCs of the UGC that were earlier part of the INDEST-AICTE Consortium and UGC-Infonet Digital Library Consortium during the year 2015. The Consortium also provides access to three eresources, namely ASCE, ASME, IEEE-ASPP to 94 AICTEfunded institutions with the funding from the AICTE. The number of institutions covered under different categories of institutions is as follows:

SI. No.	Category	No. of Institutions
1	IITs &IISc	16
2	NITs, ISM, SLIET & NERIST	23
3	IIMs	13
4	IISERs	5

5	IIITs, IIEST, NITIE, NIFFT and NITTTR	9
6	12 (B) State Universities	135
7	Central Universities	40
8	Deemed Universities (UGC funded)	22
9	National Law Schools/Universities	15
10	IUCs of UGC	6
11	AICTE Funded Engineering Colleges	72
	Total	356

The major achievements of e-ShodhSindhu Consortium include i) 5.9% increase in number of unique journal titles, i.e. from 11,064 to 11,719 with substantial increase in access to journals for each categories of institutions; ii) print-independent subscription to the entire collections of Oxford University Press and Emerald to all categories of institutions; iii) no increase in rates of subscription over 2015 rates in case of 14 publishers; iv) decrease in rates of subscription with increase in number of subscribing institutions in case of four publishers; v) access to eresources to centrally-funded technical institutions at rates applicable to universities in case of three publishers; vi) applicability of TDS deduction without increase in subscription rates for all publishers which essentially meant that 10 to 11% of total payments made to the publishers is recovered as tax from the publishers; and vii) total savings by the eSS and member institutions is estimated to be Rs. 30.55 crores which includes savings on no-increase in rates of subscription, lower rates of subscription and discontinuation of print subscription to OUP and Emerald journals by the member institutions.

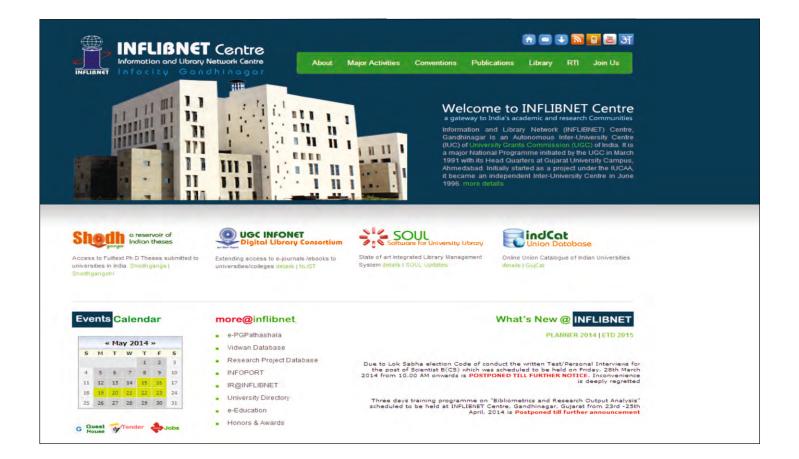
Website Development for Mahatma Gandhi Central University of Bihar and Central University of Haryana

Mahatma Gandhi Central University of Bihar and Central University of Haryana requested INFLIBNET Centre to develop a website for their University. The INFLIBNET Centre developed and hosted their website. Both websites are maintained by the Centre. Apart from website, the Centre has developed platform for "Online Job Portal" for MGCU.

Current Status of Activities & Services of the INFLIBNET Centre

SI. No.	Name of the Projects	Description of the Projects	Total Nos.
1	Shodhganga	MoU Signed	260
		No. of Theses	72,000
		No. of Contributing Institutions	245
		CFTI	13
		Plagiarism Detection Software URKUND to Universities	143
2	Shodhgangotri	No. Synopsis	2,222
		No. of Contributing Institutions	49
3	Vidwan	No. of Expert's Profiles	19,660
		No. of Contributing Institutions	2,164
4	e-PG Pathshala	No. of PIs	67
		No. of Papers	724
		No of Static Content uploaded	5,635
		No of Video / Self-Learning uploaded	1,957
		No of Institute / Universities involved	40
		No of Academic Experts	3,000+
5	IR @ INFLIBNET	No. of Articles / Publications	1,489
6	OJAS	No. of Journals Hosted	17
7	SOUL	No. of Installations	3,203
8	IndCat - Books	No. of Books	139,58,830
		No. of Contributing Institutions	174
	IndCat - Theses	No. of Theses	2,69,195
		No. of Contributing Institutions	315
	IndCat - Serials	No. of Unique Serials	35,248
		No. of Contributing Institutions	223
9	E-ShodhSindhu	No. of Core Member Institutions:	360
		CFTIs 66	
		Universities 222	
		Technical Institutions 72	
		No. of e-journals	15,000+
		No. of Databases	16

SI. No.	Name of the Projects	Description of the Projects	Total Nos.
10	N-LIST (ESS Component)	No. of Eligible Colleges	3,816
		No. of Users	8,63,650
		No. of e-Journals	6,500+
		No. of Books	1,35,000+
11	InfoPort	No. of Records	1,760
12	e-Acharya	No. of Modules (e-text)	13,231
		No. of Modules (video)	30,255
		No. of Modules (quizzes)	3,164
		No. of Modules (Learn More)	6,367
13	ICSSR Data Repository	Datasets	33



AContent: Learning Content Management System

Learning Content Management System allows user to create and edit web content without knowing web scripting language and backend database. It has feature called "What You See is What You Get" (WYSIWYG), which means that the content which is displayed in the editor would have the same look and feel for the endusers interface. In most content management system WYSIWYG editor is available, which allows user to manage their content without having programming expertise.

"AContent" is a sophisticated LCMS (Learning Content Management System) for building and managing template based websites. It is a web based and menudriven interface that allows users to create learning contents. It can be used along with learning management systems called "ATutor" to develop, share, and archive learning materials.

Every LCMS has its own terminology to describe various functions knitted in a specific sequence. AContent allows user to create content in the form of lessons and that can be assigned with a menus. AContent can also be integrated with ATutor, a open source learning management system.

Users can create their content in the form of lessons. The word "lesson" is used to describe the content of a learning unit that is created in AContent. A lesson, however, could be a complete course, or just a single page of content. The word lesson used to encourage creation of smaller, more manageable units of information, perhaps focused on a small number of subtopics. As described in the document, Documentation in Learning Content Management System (2016), creating a course might involve creating several subtopics as several lessons, which together when imported into a learning system make up a larger topic, or a course.

When using AContent as a content repository with other systems, there are often file size limits placed on these systems. If someone creates single lesson for complete course, it occupies much space, and thus the file size of an exported content package, may be too large to transfer between systems, particularly if it contains multimedia content. According to Blackhall, L. (2011) there is no size limit of lessons, though it is advisable to create content as small as possible so that it can be easily transferred across the systems.

AContent basically deals with learning content that includes textual material, multimedia, presentations, etc.

Pre-requisites

Following pre-requisites software are required before installation AContent software:

- Windows or Linux OS
- HTTP Web Server (Apache Web server is highly recommend)
- PHP 5.0.2 +
- MySQL-4.1.10+

Technical Features

- Software is capable to develop quiz and assessments for accompanying learning content;
- It allows importing and exporting content created in AContent through common cartridge format;
- Uses PHP as scripting language, MySql as database and Apache as web server;
- Web based interface for in-house operations;
- Supports Unicode standard for multi-lingual contents; and
- Flexibility of database structure.

Content Licensing - As part of the Live Content implementation, there is a potential to add content licensing, so authors who develop content that is not provided under an open content license, are able to maintain control over their content, and potentially provide access to it based on a licensing fee. O Auth, adopted by the Common Cartridge 1.0 specification to allow authenticated access to common cartridges, and currently available in AContent, will be extended to allow licensing of content.

Future Developments

AContent Upgrade Utility – Developers of AContent are committed to provide utility for upgrading AContent to ensure a simple upgrade path as newer versions of the AContent system become available.

AContent Themes - A theme manager is being created for AContent that will allow content authors to have control over the look and feel of the content they create. The Fluid Skinning System will be integrated into themes.

Live Content - The AContent Web service API will be extended to allow live rendering of content from the repository into remote systems, making it possible to create one instance of a piece of content, that when updated, cascades over all systems accessing it.

.User Forum and Support

The software is based on ATutor, a learning management system. It offers solution to various problems occurred while using through community forum. User can register themselves and raise their questions to get possible solution of the query. One can register his email ID at http://www.atutor.ca/forums/ to get email alerts from the active users.

References

- 1 ATutor: Forums. (2016). Retrieved April 8, 2016, from http://www.atutor.ca/forums/
- Blackhall, L. (2011). 17Dynamics Innivate. Eudcate, Create: AContent Analysis (A report written for the College of Engineering and Computer Science, The Australian National University) (p. 17). Canberra: The Australian National University. Retrieved from https://17dynamics.files.wordpress.com/2011/ 03/acontent_analysis_consulting_report_distri bution.pdf
- Documentation on AContent Learning Content Management System. (2016). Retrieved April 8, 2016, from http://www.atutor.ca/acontent/ docs/index.php



I INFLIBNET H

Article

Ranking Model for Indian Higher Educational Institutions through NIRF Abhishek Kumar, Scientist C (CS) and Raja V, Scientist B (CS)

First time in the history of independent India, the Government of India, took up the initiative to launch a Nationwide Ranking framework to rank the educational institutions in the country. The National Institutional Ranking Framework (NIRF) was launched by Ministry of Human Resource Development on 29th September 2015 and ranking was announced on 4th April, 2016. The major role was played by UGC, AICTE, NBA and INFLIBNET in ranking of the institutions. INFLIBNET was entrusted with the responsibility of carrying out the implementation of the NIRF. This paper provides an overview of the various challenges and opportunities for improvement in the next interaction of the NIRF implementation.

1. Introduction

India, with 1.29 billion people, is the second most populous country in the world. India represents approximately 17.31% of the world's population, which means one out of six people on this planet live in India. More than 50% of India's current population is below the age of 25 and over 65% below the age of 35. About 72.2% of the population lives in around 6,38,000 villages and the rest 27.8% in around 5,480 towns and urban agglomerations.

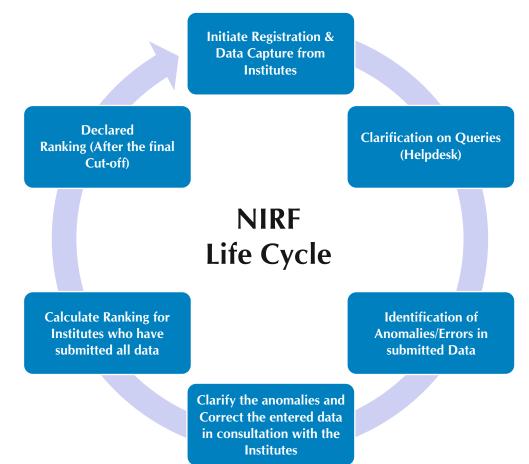
The total population between the age range of 15 and 24 in India is 234 million. If India is to meet its 30 percent Gross Enrolment Ratio target by 2020, about 40 million students would be enrolled in the higher education system in 2020. Currently, around 18.5 million students are enrolled in the higher education system. There is a massive mismatch in the supply-demand, of proportions that have never been seen anywhere or anytime in the world before. The nation suffers from both a crippling quantity, as well as a quality challenge, when it comes to higher education.

While there is a huge gap in the supply and demand structure for the higher education which Indian government is trying to deal with, there is need to provide structured and analysed information to the aspiring students by the institutions of higher education having expertise with qualitative human and other resources. India's huge pool of youngsters can be considered as its biggest strength but these young researchers in the higher education institutions are at a risk of losing out on the quality of research that they undertake due the lack of information about choice of research, lack of good infrastructure and available pool of experts to guide their innovative ideas into policyorientated research.

The National Institutional Ranking Framework (NIRF) was approved by the MHRD and launched by Honourable Minister of Human Resource Development on 29th September, 2015. This framework outlines a methodology to rank institutions across the country. The methodology draws from the overall recommendations and broad understanding arrived at by a Core Committee set up by MHRD to identify the broad parameters for ranking various universities and institutions. The parameters broadly cover "Teaching, Learning and Resources," "Research and Professional Practices," "Graduation Outcomes," "Outreach and Inclusivity," and "Perception".

Although the Ranking Frameworks are similar, the exact methodologies are domain specific. Ranking methods were worked out for 6 categories of institutions i.e., Engineering, management, Pharmacy, Architecture, Universities and Colleges.

2. Life Cycle of NIRF



The INFLIBNET team, with guidelines from NBA, initially worked on the Data Capturing Process along with registration of institutes. The educational Institutes registered themselves on NIRF Portal to participate in the ranking process. The registration process was opened till 15th January 2016. The registered institutes were allowed to enter or modify their data. The educational Institutes raised numerous gueries on the framework as well as on data to be provided for ranking. A full-fledged team was deployed at INFLIBNET to answer the gueries raised by the educational Institutes and hand-hold them in filling the data online / offline. The registered educational Institutes were given time till 22nd January 2016 for data submission. Some Institutes submitted all data, while some Institutes submitted only partial data. Ranking was calculated only for those Institutes who submitted complete data.

Soon after completion of data capturing process, the process of ranking started. Anomalies was found in the data, entered by institutes, i.e. some of the data-fields were left unfilled/blank, information provided by the institutes were inaccurate. With the approval of NBA, INFLIBNET started cleaning the data entered by the institutes. Wherever anomalies and inconstancies were found, institutes were called or e-mails were sent to them with request to provide the correct data.

Once the anomalies and in consistencies were attended to (not 100%) and after final submission of the corrected data by the institutes, the process of ranking was again initiated. With the discussion and approval from NBA team, some deviations were done in the formula with respect to original framework. After further exercise on ranking, the ranking report was created.

3. NIRF Parameters for Ranking Institutions

The NIRF provides for ranking of institutions in five broad generic parameters, namely: i) Teaching, Learning and Resources; ii) Research, Consulting and Collaborative Performance; iii) Graduation Outcomes; iv) Outreach and Inclusivity; and v) Perception.

Teaching, Learning and Resources (TLR)	Research Productivity, Impact and IPR (RPII)	
Faculty Student Ratio - Permanent Faculty (FSR)	Combined Metric for Publications (PU)	
Faculty Student Ratio - Visiting Faculty (FSR)	Combined Metric for Citations (CI)	
Metric for Faculty with Ph.D. and Experience (FQE)	Intellectual Property Right and Patents (IPR)	
Metric for Library, Studio & Laboratory Facilities (LL)	% of Collaborative Publications and Patents (CP)	
Metric for Sports and Extra Curricular Facilities (SEC)	Footprint of Projects and Professional Practice (FPPP)	
Metric for Teaching and Innovation (TI)	Graduation Outcome (GO)	
Outreach and Inclusivity (OI)	Performance in University Examinations (PUE)	
Outreach Footprint (Continuing Education, Services) (CES)	Performance in Public Examinations (PPE)	
Percentage of Students from Other States / Countries (RD)	Performance in Placement, Higher Studies and Entrepreneurship (PHE)	
Percentage of Women Students and Faculty (WS)	Mean Salary for Employment (MS)	
Percentage of Economically and Socially Disadvantaged Students (ESDS)	Perception (PR)	
Facilities for Physically Challenged / Differently Abled Persons	Process for Peer Rating in Category (PR) and Application to Seat Ratio (SR)	

4. Common Mistakes made by the Institutes during filling the Data-Form

The most time consuming process and the man-powerintensive effort in the ranking lifecycle was to educate institutions to fill-in the data capturing form and subsequently cleaning of data. There were number of anomalies and issues on the data entered by the institutes. As per our analysis and experience, common mistakes committed by the institutes were as follows:

- One of the major mix-up was unit used for Data i.e. amount was asked in Lakhs but given in Rupees, likewise area was asked in sq. meters but entered in acres, yard, etc. (without mentioning the unit of measurement used).
- ii) Average salary for placement given by some institute was not between minimum salary and maximum salary.
- iii) Faculty count in the faculty summary was exceeding the number of faculty in the faculty Master.
- iv) In the student summary, number of students admitted within state, outside state, outside country was not entered. Most institutions entered "0" in the data-fields or left it blank to complete the formalities. This was a very important parameter in 'Outreach' (Regional Diversity).

- v) Similarly, in the student summary, no. of socially challenged data was also not given properly, i.e. socially challenged students was more than total student.
- vi) Another important parameter was students graduating in minimum time. The intention of this question was to obtain total no. of students who passed out in a batch including lateral admission but it was observed that no. of students passed was greater than the no of students admitted. The helpdesk also observed that some of the coordinators did not understand meaning of the lateral entry and graduating in minimum time.
- vii) For the Public Examination, numerous names of examinations were entered by the institutes that were not verifiable. For engineering alone, there were 2040 distinct names of competitive examinations whose toughness could not be determined.
- viii) For campus placement, the student placed in campus was exceeding the graduating students.
- ix) The number of entrepreneurs produced over a period of 10 years was exceeding no. of students passed.
- In the student event details, institutions were asked to provide data for the state, national, International level, but institutes have entered all type of events. It was difficult to identify and remove the odd ones.

5. Conclusion / Suggestions

This write-up has attempted to portray an overview of various challenges and hurdles encountered during the 2016 Indian rankings and also provide suggestions to mitigate these challenges/hurdles. The biggest challenge faced was incorrect or null data filled-up by the institutes. So much time and effort and manpower were spent on trying to remove these inconsistencies. If the Institutes were sensitized on entering correct and validated data, then the ranking process could have been smoother and error-free.

With experience gained during of interactions with the institutes through help desk, the modified process of interaction for Indian Rankings 2017 should be as follows:

Step-1: Registration of institutes on the basis of clear guidelines on categories for ranking. Category (A & B) of institution, need to merge in single category.

Step-2: Awareness programme across the country (on basis of no of registered institute) in a given region. It may be online through video conferencing or on-campus in a given region.

Step-3: Detail video tutorials and help manuals for "Data Capturing System".

Step-4: Data Capturing system should be launched only after step 1 to 3.

Step-5: Through data checking for errors and inconsistencies, verification and cleaning of data.

Step-6: Ranking and Reports.

6. Reference

- Population of India 2016- Current Population of India. (2016). Indiaonlinepages.com. Retrieved from http://www.indiaonlinepages.com/ population/india-current-population.html
- ii) MHRD, National Institute Ranking Framework (NIRF). (2016). Nirfindia.org. Retrieved from https://www.nirfindia.org

Republic Day

The INFLIBNET Centre celebrated 69th Republic Day on 26th January 2016 at INFLIBNET Centre, Infocity, Gandhinagar. The National Flag was hoisted by Dr. Jagdish Arora, Director, INFLIBNET Centre. Dr. Arora

addressed the staff members and their families about the activities of the Centre. A number of games were organized for staff and their children during the event and prizes were distributed to the winners of the games.



69th Republic Day

Visitors

Mr. Pradeep Kaul, Sr. Consultant, NMEICT/MHRD, New Delhi

Prof. Mangala Sunder, Professor, IIT Madras

- Prof. Uma Kanjilal, Professor, DLIS, IGNOU, New Delhi
- Mr. Arindam Das, Director, NIFT Gandhinagar
- Prof. Dinesh K Gupta, Associate Professor, Vardhaman Mahaveer Open University
- Dr. Parthasarathi Mukhopadhyay, Head, DLIS, Kalyani University
- Dr. Sewa Singh, Retd. Professor, Gurunanak Dev University
- Dr. Jagdish Joshi, UGC-Human Resource Dev. Centre, Gujarat University
- Dr. Nikhil A. Gokhale, Associate Director, RK University, Rajkot
- Dr. Vijaylaxmi Chari, Ex. Director, School of Commerce, Gujarat University
- Dr. Raju Chaudhary, Associate Prof, Dept. of Statistics, MG Science Institute, Ahmedabad

Students and faculty members of Master of Computer Application, LDRP Institute of Technology and Research, Gandhinagar visited INFLIBNET Centre for their educational tour on 9th March, 2016

Staff News

Dr. Jagdish Arora, Director

Dr. Jagdish Arora was awarded DLA Professional Excellence Award for the year 2015 by the Delhi Library Association (DLA). The award was presented to him during 78th Foundation Day on DLA, on 10th March 2016 at Ranganathan Bhawan, New Delhi. He delivered keynote address on "Services and Activities of INFLIBNET Centre" during the National Seminar on "Multidimensional Information Sources and Services: Challenges, Issues & Perspectives" on 6th March 2016 at Era Medical College & Hospital, Lucknow. He delivered invited talk on "Capacity Building Programme for Public Libraries in India at INFLIBNET Centre" during the International Public Libraries Conference, 2016: Inspiring and Repositioning Public Libraries in India: Technology, Content and Services held on 7th and 8th March, 2016 at India International Centre, Delhi.

He was invited to attend the Meetings of the Expert Committee, National Institutional Ranking Framework (NIRF), 2016-2017 as its member. As Member of the Implementation Core Committee, National Institution Ranking Framework (NIRF), Dr. Arora attended its Meetings held at the National Accreditation Board, New Delhi on 22th January & 22nd February, 2016.

As a member of the Sub-committee of e-PG Pathshala, he attended its 32nd Meeting held on 14th January, 2016 organized at the UGC Main Office, New Delhi. Dr. Arora attended the 14th Meeting of the Finance Committee of the Central University of Gujarat held on 21st March, 2016 as its Member. As the National Coordinator and Convener of the National Steering Committee, e-ShodhSindhu, he attended its 2nd Meeting held on 18th March, 2016 at Central Library, IIT Delhi.

Mr. Manoj Kumar K., Scientist D (CS)

Mr. Manoj Kumar was invited to deliver a lecture on Shodhganga and Anti-Plagiarism Software in YMCA University of Science and Technology, Faridabad for the research scholars on 9th February, 2016. He was invited as a Chief Guest for valedictory session on UGC Sponsored National Workshop on 'R Language and LaTeX' organized by Department of Computer Science, Gujarat Vidyapith and St. Xavier's College, Ahmedabad on 20th February 2016. He was also invited to deliver a lecture for ICSSR Sponsored Training Programme on "Research Methodology in Social Science" organized by Gujarat Vidyapith Mahadev Desai Gramsewa Mahavidyalaya, Randheja on 3rd March, 2016.

Mr. Kanan P., Scientist C (LS)

Mr. Kannan P was invited to deliver a lecture on 'e-Learning in Indian Higher Education' at Nadar Mahajana Sangam S. Vellaichamy Nadar College, Madurai on 9th February, 2016 during the Library Week Celebration.

Mr. Abhishek Kumar, Scientist C (CS)

Mr. Abhishek Kumar attended the meetings of subcommittee, e-PG Pathshala held on 14th January 2016. He also attended meetings of the Implementation Core Committee of the National Institute of Ranking Framework (NIRF) held on 22nd January, 22nd February and 17th March 2016 at National Board of Accreditation, New Delhi. He also attended a meeting of e-Acharya: Integrated e-Content Portal held on 1st February 2016 at UGC, New Delhi. He was invited for the data cleaning of NIRF at NBA, New Delhi from 15th to 16th February and 4th to 5th March 2016. He also attended Meeting on e-Acharya at the Ministry of Human Resource Development, New Delhi held on 19th February 2016. He visited IIT Delhi regarding discussion for

infrastructure of e-Acharya at BAADAL (NMEICT project) on 22nd February 2016. He was invited for the inauguration of website for Mahatma Gandhi Central University of Bihar (MGCUB) by Mrs. Smriti Irani, HRM at MHRD on 21st March 2016 to assist technical work.

Mr. Swapnil Patel, Scientist B (CS)

Mr. Swapnil Patel attended meeting of the National Institutional Ranking Framework (NIRF) at National Board of Accreditation, New Delhi from 17th to 18th February, 2016 and 17th to 18th March, 2016.

Mr. Divyakant Vaghela, Scientist B (CS)

Mr. Divyakant Vaghela attended meeting of the National Institutional Ranking Framework (NIRF) at National Board of Accreditation, New Delhi from 15th to 17th February, 2016.

Ms. Kruti J. Trivedi, Scientist B (LS)

Ms. Kruti Trivedi attended "International Conference on Big Data & Knowledge Discovery" organized by Documentation and Research Training Centre (DRTC), Indian Statistical Institute (ISI), Bangalore from 9th to 11th March, 2016. She also attended meeting of the Implementation Core Committee of the National Institute of Ranking Framework (NIRF) at National Board of Accreditation, New Delhi on 22nd January, 2016.

Mr. Pallab Pradhan, Scientist-B (LS)

Mr. Pallab Pradhan attended "International Conference on Big Data & Knowledge Discovery" organized by Documentation and Research Training Centre (DRTC), Indian Statistical Institute (ISI), Bangalore from 9th to 11th March, 2016.

Mr. Hiteshkumar Solanki, Scientist B (CS)

Mr. Hiteshkumar attended meeting of the National Institutional Ranking Framework (NIRF) at National Board of Accreditation, New Delhi from 15th to 18th February, 2016, 4th to 6th March 2016 and 18th to 20th March, 2016.

Mr. Dharmesh Shah, STA (CS)

Mr. Dharmesh Shah attended meeting of the National Institutional Ranking Framework (NIRF) at National Board of Accreditation, New Delhi from 15th to 18th February, 2016, 4th to 6th March 2016, 10th to 11th March 2016 and 18th to 20th March, 2016.

Users' Speak

For Shodhganga

'I have no words to praise this effort for Shodhganga, I am very happy to see this development which was more than required by all scholars.' By Dr. R Aruna Sri, Director, SRI-HHSD, Ernarkulam.

'I am a student of psychology from Pakistan. I am conducting research on stress on university students. My

research topic is "Academic Procrastination causes Academic Stress". Here I found a questionnaire of academic stress scale in Shodhganga repository that is useful for my research i.e. <u>http://shodhganga.inflibnet.</u> <u>ac.in/bitstream/10603/8093/14/14_appendices.pdf</u>. I want to have permission to use that questionnaire from your Shodhganga repository and author of that questionnaire'. By Rafia Sultan.

Staff Achievement

Mr. Harish Chandra, Administrative Officer



INFLIBNET Centre congratulates Mr. Harish Chandra, Administrative Officer for winning the first prize in "Mount Abu International Trail Marathon 2016" jointly organized by Brahma Kumari's Mount Abu Sports Wing and LS Sports Ahmedabad at Mount Abu on 20th March 2016. He is winner of the veteran category men (above 45 years of age) with the timing of 1hr 34 minutes 42 secs for half marathon of 21.097 Km of a rough track on Mt Abu hills. Centre takes pride in encouraging him to bring more laurels to the Centre. The Centre wishes him all the best in future events at national and international levels.



I INFLIBNET |

10th Convention **PLANNER 2016** November 9-11, 2016



(Promotion of Library Automation and Networking in North Eastern Region)

Convention Theme

Disruptive Innovations for Libraries: Adopt, Adapt and Evolve

Sub-themes

- 01 Technologies for Libraries
- 02 Library Management: Collections and Human Resources
- 03 Innovative Services

Important Dates

Receipt of full papers Last date for Registration Convention Dates : August 16, 2016 : September 30, 2016 : November 9-11, 2016

Organised by



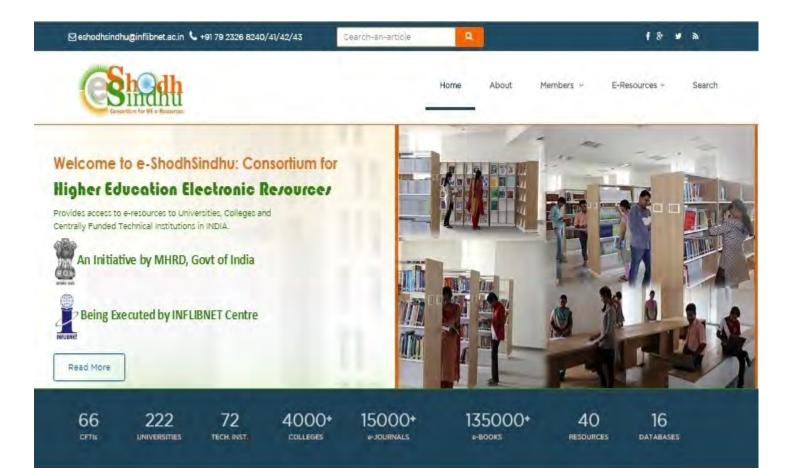
INFLIBNET Centre, Gandhinagar, Gujarat in collaboration with North-Eastern Hill University, Shillong, Meghalaya

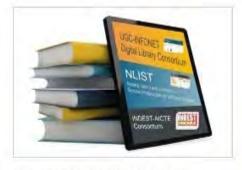


I INFLIBNET

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Vol. 23, No. 1 (January to March 2016)





Merging of UGC-INFONET DLC, INDEST-AICTE & NLIST Programme

Based on the recommendation of an Expert Committee, the MHRD has formed e-Shodh Sindhu merging three consortia initiatives, namely UGC-INFONET Digital Library Consortium, NLIST and INDEST-AICTE Consortium. The e-Shodh Sindhu will continue to provide current as well as archival access to more than 15,000+ core and peer-reviewed journals and number of bibliographic, citation and factual databases [...]

View More



Access to E-resources for Colleges

An Initiative of Ministry of Human Resource Development (MHRD) Under the NME-ICT, funded by UGC, as college component under UGC-INFONET Digital Library Consortium now part of e-ShodhSindhu. Under NLIST colleges have access to e-resources (6000+ ejournals and 135000+ ebooks) [...]

View More

New@eSS



Access to APS has now been restored for Universities

posted an 36 May 2016



Letter to CFTIs not covered under eSS posted on 17 February 2016

I INFLIBNET |

'अब लाइब्रेरी घर तक आ गई है'

दबंग रिपोर्टर • इंदौर

आज के बदलते दौर में लाइब्रेरी में जाकर पढना जरूरी नहीं है। शोध गंगा जैसे ऑनलाइन प्लेटफॉर्म पुर जाकर प्रोजेवट और थिसिस एक्सेस् रणटफाम पर भाकर प्राभवट आर ायासस प्रकास कर सकते हैं। इसके साथ ही यूनियन उँटाबेस से देशमर की गवर्नमेंट लाइब्रेसी में मौजूद किताबों की डिटेल्स भी मिल जाती है, वर्डी डेटाबेस में इर विश्वश्व के एक्सपर्ट की जानकारी भी आसानी से मिल जाती है।

सिल जाती है। यह आत आईपीएस एकेउमी के लाइब्रेरी साइंस डिपार्टमेंट द्वारा 'डिजिल्डा केंटेंट क्रिएशन' विषय पर सोमवार को आंबोरित पांच दिवसीय नेप्रपत्ता वर्षधांग को संबोदित करते दुए इनॉफरिलिमेट गॉधीनगर के साइटिस् स्वॉनिल पटेल ने कही। उन्होंने कहा लाइब्रेरी साईस आधुनिक दौर में है। देशपर के 1800 से ज्यादा सब्जेक्ट एक्सपर्ट, 86000 से ज्यादा पीएचडी थिसिस और देशभर की सरकारी

लाइब्रेरी में रखी किताबों की जानकारी ऑनलाइन है। अब स्टूडेंट्स घर बैठे प्रोजेक्ट और थिसिस वर्क ले सकते है। यह ग्लोब लाइजेशन का युग प्रो. आयुतोष मिश्रा ने कार्यक्रम को सबोधित करते हुए कहा यह ग्लोब लाइजेशन का युग है। इसमे सूचना के माध्यम से हम ग्लोबल कॉम्पटिशन को फेस करें। हमें प्रौद्योगिकी की रेस में रहना घाहिए, परंतु अपने देडिशनल नॉलेज को नही भूलना चाहिए। वर्गन्फ्रेंस में डॉ. संगीता पातीयाल, कार्यक्रम के अध्यक्ष कुल्यापति प्रो. आयुतोष मिसा, डॉ. सोनल सिंह यिगानध्यक्ष, पुस्तकालय एव सुचना विश्वाम विक्रम विवि उज्जेन, आईपीएस एकेडमी के वेअरमैन अवल वीयरी, डॉ. एमएल शाम कीर डॉ. जॉवी. कुलकर्णों आवि उपस्थित थे।

Dabang Dunia, January 05, 2016, Page No.-11 (Dabang Metro)



एक ही प्लेटफॉर्म पर

यंग रिपोर्टर • इंदौर

लाइब्रेरी साइंस आधुनिक दौर में है।

'टेक्नोलॉजी की रेस में ट्रेडिशनल नॉलेज भी हो'

EDUCATION PLUS लाइब्रेरी डिजिटलाइजेशन पर 5 दिनी नेशनल वर्कशॉप शुरू

इंदौर। लाइबेरी साइंस के आधुनिक दौर में 18 हजार से ज्यादा सब्जेक्ट एक्सपर्ट, 86 हजार से ज्यादा पीएचडी थीसिस और देशभर की सरकारी लाइब्रेरी रखी किताबॉ रेशपर की सरकारी लाखेरी रखी किताबी की जानकारी अंक्लिस्टर पहुना कर री वीर में लाखरेंगे में ही जाबर पहुना कर री नहीं हैं, बॉक्स रोपेगा जैसे अंग्लेलाइन प्रदेश्यों पर कालर प्रोबेस्ट से रिश्विस् एक्सेस्ट की जाकर प्रोबेस्ट से रिश्विस् स्वे स्वरूप की अल्क विवार इंग्लिलिकेट पुरुष की उनकारी मिल वाती हैं, पुरुष की उनकारी मिल वाती हैं, पुरुष की उनकारी मिल वाती हैं एक्स्स्ट की। उनका विवार इंग्लिलिकेट सेंटर, गांधेनार के साईटिंट्स्ट व्यक्ति पटेल ने आईपीएस एकेस्ट्रमी में लाइबेमी हैजिटलाइन्डेसन पर आयोजित वर्कशॉप के पहले व्यक्त किए।

plus Rule

mp.patrika.cam इंदौर लाइवेश सास आधुनिक पौर में ही देशपर में 18 हजार से प्रकायटं. 86 हजार से अधिक और यहा तक को देश की सरकारी लायबेरी में रखी कितमूबी की जानकारी ऑनलाइन अक्तेलंबन है जान स्ट्रेट्र प य बेट

रेश की सकाग लागाबंधे में रखी किताको की जानकारो जॉनलाइन अंगेलेखल ही आब स्टूडेट्स पर बैठे प्रेजेक्ट और खिरस कर्क ते सकता है। यह कठता है इनपिलिबनेट गांधीनगर के साइंटिस्ट स्वन्छित प्रदेल का। के सायक्रेरी साइस एकडमी के लायकेरी साइस हिपार्टमेंट की ओर से जिनटल किप्रसुम विषय पर आयोजित 5 दिवसीय ने प्रेशन क्रियाए को

फरीदाबाद 9 फरवरी, सत्यजय टाईम्स/सुमित कुमार। वाईएमसौए विज्ञान एवं प्रोधांगिकी विश्वर्वावधाल्य, फरीदाबाद के आंतरिक गुणवत्ता आण्वासन प्रकोष्ठ द्वारा शोधकताओं के लिए शोधगंग, साहित्यक चौरी निरोधों साफ्टवेयर तथा अनुसंधान आचरण को लिकर एक दिवसीय कार्ययाला का आयोजन किया गया। कार्यशाला में विशेषज्ञ चौरी से संबंधित विभिन्न मुर्खे पर वर्चों की। कार्यशाला का उदाटन कुलपति प्रो दिनेश कुमार ने किया तथा कार्यशाला के विशेष्ट अतिथियों का स्वांगत किया। इस अवसर पर दीन

Times of India

Training programme on anti-plagiarism software in order to facilitate detection of plagiarism in the these and dissertations, Panjab University A C Joshi Uharay would organize an orientation-cum-training programme on anti-plagiarism software at ICSR Auditorium at 10.30am on Wednesday. Pl has recently signed

PU has recently signed Memorandum of Understandings (MoU) with INFLIBNET Centre, Gandhinagar, for Shodhganga and agreed to host its ETD in Shodhganga कार्यक्रम को अध्यक्षता करते हुए देवी अहिल्मा जिन्वविद्यालय के कुलापति ग्रो. आहुतलेष मिश्रा ने कहा इस युग में सुदना के माध्यस में खोबल कॉस्प्रीटिशन में बने रहर सकते हैं। यह ज्ञात किताबों में मिलता है, जो क्यों अपने आप में में मेर लेती हैं। टेक्नोलॉर्डी को रेन में में में प्र रेट्डियालत नलिज को नहीं भुलना चाहिए। 5 दिन तक चलने वाली इस वर्कशाप में मध्यप्रदेश के साथ राजन्थान, बिहार, उत्तरप्रदेश, महाराष्ट आदि ताख्रदेगे साइस विशेष शासिल होंगे। सोमवार को वर्कशांप करवाव्यालय की पुरताजलय एवं सुचना विज्ञान विभाग की पुरताजलय एवं सुचना विज्ञान विभाग की पुरताज सिंह, आईपीएस एकेडमी के चेयरमैन अचल

किताबें ऑनलाइन, घर बैठे

स्टूडेंट करें प्रोजेक्ट प्रिपेयर

चौधरी, डॉ. एमएल शर्मा व डॉ. जीवी कुलकर्णी मौजूव थे। आयोजन समिति की सचिव डॉ. आयाजन सामात पुग भाषत संगीता पालीवाल ने बताया वर्कशॉ में लाइब्रेरी प्रोफेशनल्स को डिजिटल लाइब्रेरी सॉफ्टवेयर की ट्रेनिंग भी वी जाएगी। यह वर्कशॉप 8 जनवरी तक जारी ज्येगी।

आईपीएस एकेडमी डिजिटल क्रिएशन विषय पर 5 दिवसीय

वर्षण्टा वद्यसाप शुरूष पारिय, आपोजन समिति की स्वतंत्रा कि कर्कशाप का शुपारप कार्यक्रम के अध्यक्ष डीएदीनी के कुतनाद या आपुरोप मिश्र, किस्म विश्वविद्यालय उज्जेन के षुप्रकारावय अग्रेस पुचना विज्ञन के विषयागप्यक्ष डी, सोनल सिंह हार्मिकलिकंट सेंटर के आइटिस्ट स्वक्रिल पटेल ने किया।

स्त्राण्मिल पटेल ने किया। इस अल्सर पर आईपीएस पुरुंडमी कैयर्सने अल्पल औधरी, डॉ. एम्प्रेल समें और डॉ. जीवी कुलकर्मा मी उपस्थित थे। कार्यक्रम में भाग, लेने के लिए मध्यप्रदेश के स्वार्थ डी राजरस्वान, विकार, उत्तरप्रदेश, महाराष्ट्र वाराबेदी सहस के एसवर्य्ट आए थे। वर्कहायि में लायन्नेयी साइंस, में लायब्रेरी साइंस स डिजिटल लायब्रेर की ट्रेनिंग भी लेंगे। प्रोफेशनल

स्टूडेंट्स घर बैठे प्रोजेक्ट और थिसिस वर्क ले सकता है। उपरोक्त विचार आईपीएस एकेडमी के लाइब्रेरी साइंस एकडमा के लाइब्ररा साइस डिपार्टमेंट द्वारा डिजिटल कंटेंट क्रिएशन विषय पर आयोजित पांच दिवसीय नेशनल वर्कशॉप को

नेशनल वर्कशॉप शुरू पढने की जरूरत नहीं, बल्कि शोधगंगा जैसे ऑनलाइन प्लेटफॉर्म पर जाकर प्रोजेक्ट और थिसिस एक्सेस कर सकते हैं। यूनियन डेटाबेस से देश की किसी भी सरकारी लाइब्रेरी में मौजूद किता

की जानकारी ली जा सकती है। वहीं विलान डेटाबेस में हर विषय एक्सपर्ट की जानकारी मिल जाएगी। कॉन्फ्रेंस में चर्चा के लिए देशभर से

EXPRESS NEWS SERVICE

IN ORDER to facilitate detection of plagiarism in the thesis and dissertations, Panjab University's AC Joshi Library will organise an

orientation-cum-training programme on anti-plagiarism software at ICSSR audito-rium on Wednesday. PU librarian Raj Kumar said the orienta-tion programme is being organised for PU

faculty members and to increase awareness about the software and maximising its us-age for better research.

CHANDIGARH, FEBRUARY 8

प्रोफेशनल लाइब्रेरियन आए हैं, जो प्रोफशनल लाइब्रेरी के डिजिटलाइजेशन के लिए बने



सम्प्राधित कर रहे थे। उन्होंने कहा कि बरहते पीर में लापबेरी में जाकर पहना जरूरी नहीं है, बल्कि शोधगंगा जैसे ऑनलाइन स्टेटफॉमें पर जाकर प्रोजेक्ट और थिसिस एक्सेस कर सकते हैं। यूनियन डाटाबेस में संरम्भप की सरकारी लानकरी में मंजुर किताको की जानकरी में मंजुर किताको की जानकरी में संप्रकार स्टोबली की Patrika, Jinuary 05, 2016, Page No.-14 (Patrika Plus) शोध कार्यों में गुणवत्ता लाये

देशभर के 18 हजार से ज्यादा सब्जेक्ट एक्सपर्ट, 86 हजार से ज्यादा पीएच-डी थिसिस और यहां तक कि देश की सभी सरकारी लाइब्रेरी में रखी किताबों की जानकारी ऑनलाइन हो चुकी है। इंदौर । दीप प्रज्जवलित कर कार्यक्रम का किया गया शुभारंभ । संबोधित करते हुए इनफिलिबनेट गांधी नगर के साइंटिस्ट स्वप्निल पटेल ने व्यक्त किए।उन्होंने बताया ग्लोबल कॉम्पटीशन फेस करें कार्यक्रम को संबोधित करते हुए प्रो. आशुतोष मिश्रा ने कहा कि यह कि बदलते दौर में लाइब्रेरी में जाकर

अगे अगर के प्रात्माना के प्राप्त थर थे हुए और आरधुपाव नात्रा ने कहा कि यह रतीबलाइजेशन का युग है। इस युग में सूचना के माध्यम से हम ग्लोबल कॉम्पटीशन को फेस करें। किताबों में अयाह ज्ञान छुपा है तथा ये हमें अपने आन में समेट लेती हैं। हम प्राधागिकी की रेस में तो शामिल हों, परंतु अपने ट्रेडिशनल नॉलेज को न भूलें। कार्यक्रम में डॉ. संगीता पालीवाल ने बताया कि इस वर्कशॉप में राजस्थान, बिहार, उत्तर प्रदेश व महाराष्ट्र से भी लाइब्रेरी साइंस के दिग्गज शिरकत कर रहे हैं। वर्कशॉप 8 जनवरी तक चलेगी।

अत्याधनिक सॉफ्टवेयर की टेनिंग भी लेंगे। आयोजन समिति की सचिव डॉ. संगीता पालीवाल ने बताया कि वर्कशॉप का शुभारंभ कार्यक्रम अध्यक्ष प्रो. आशुतोष मिश्रा कुलपति डीएवीवी इंदौर, डॉ. सोनल सिंह अध्यक्ष पुस्तकालयएवं

सूचना विज्ञान विभाग, स्वप्निल पटेल वैज्ञानिक इनफिलि बनेट सेंटर गांधी नगर द्वारा किया गया। इस अवसर पर आईपीएस एकेडमी के चेयरमैन अचल चौधरी. डॉ ययरमन अवल चाधरा, डा. एमएल शर्मा व डॉ जीवी कुलकर्णी भी मौजूदथे।

णाइब्रेरी में जाकर पढ़ने की रूरत नहीं, बल्कि शोधमंग

जैसे ऑनलाइन प्लेटफॉर्म पर जाकर प्रोजेक्ट और थिसिस

खरोस कर सकते हैं।

शोधगंगा और विद्वान जैसे टूल बन रहे लाइब्रेरी के विकल्प

लाइब्रेरी डिजिटलाइज़ेशन पर शुरू हुई नेशनल वर्कशॉप कही। वे यहां सोमवार से लाइब्रेरी

सिटी रिपोर्टर • बदलते दौर की तकनीक का असर लाइब्रेरी पर भी पडा है। आज के समय में पढने के लिए लाइब्रेरी जाना जरूरी नहीं है। शोधगंगा जैसे ऑनलाइन पोर्टल, प्रोजेक्ट और थीसिस एक्सेस करने की सुविधा देते हैं वहीं विद्वान डाटाबेस में हर विषय के एक्सपर्ट की जानकारी है। यह बात साइंटिस्ट स्वप्निल पटेल ने शहर के एक निजी कॉलेज में



आदिबद्री में आज मनाया जायेगा सरस्वती महोत्सव

Dainik Bhaskar, January 05, 2016, Page No.-01 (City Bhaskar) Hindusten Timos Programme to avoid plagiarism

PU had recently signed a Memora of Understandings (MoU) with Informa and Library Network (INFLIBNET) Centure Gandhinagar, for the 'Shodhganga' project. Under this project, all thesis and dissertations done by students or faculty of PU will be elec-tronically available to students of other un-versities reintered under the project and

versities registered under the project and

versues registered under the project and vice-versa. According to the terms and conditions of Shodhganga MoU, the INFLIBNET Centre has provided access to URKUND anti-plagiarism software to all the faculty members of PU to facilitate detection of plagiarism in the the-ses and dissertations.



डिजिटलाइजेशन विषय पर शुरू

हई नेशनल वर्कशॉप के इनॉग्रेशन

में बोल रहे थे। उन्होंने कहा कि भारत में लाइब्रेरी साइंस आधनिक

दौर में है। देश के 18 हजार से

ज्यादा सब्जेक्ट एक्सपर्ट, 86

हजार से ज्यादा पीएचडी थीसिस

सहित देशभर की लाइब्रेरीज में रखी किताबों की जानकारी भी

एक ही प्लेटफॉर्म पर मौजुद है।

in Regional News



/पीएचडी में डिजर्टेशन व थीसिस की

रमेश गौड़ ने शोधगंगा को खुबियों प्रस्तुतोकरण भो दिया गया। तथा साहित्यिक चोरी निरोधी कार्यशाला का संयोजन डॉ मनीमा साफ्टवेयर के उपयोग के बारे में गर्ग, डॉ राजीव साहा और पी एन जानकारी दी। उत्तीर गोध लेखन जाजपेयी ने किया। कार्यक्रम के अंत संबंधी आचरण एवं मानदंडों के में विश्वविद्यालय के आईक्यूएसी बारे में भी जानकारी दी। इस प्रकोष्ठ के निदेशक डॉ हरि ओम ने अवसर पर साहित्यिक चोरी निरोधी समापन ठरार रखे तथा सभी साफ्टवेयर के उपयोग पर वक्ताओं का धन्यवाद किया।

कार्यशाला के विशिष्ट अतिथियों का रूवागत किया इस अवसर पर डोन फैकल्टी आफ इंजीनियरिंग प्रो. संदोध ग्रोवर तथा डो तिलक राज भी उपस्थित थे। कार्यशाला में इनफिलबनेट सेंटर, गांधीनगर के वैज्ञानिक स्री मनोज कुमार तथा जवाहर लाल नेहरू विश्वविद्यालय, नई दिल्लो के लाइबेरियन डॉ रमेश सी गौड़ मुख्य बन्सा रहे। कुर्युयाला को संबोधित करते

Dainik Jagran

नकल पर पीयू में कुल होगा सेमिनार



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