



तेजपुर विश्वविद्यालय

(केंद्रीय विश्वविद्यालय)

नपाम, तेजपुर - 784 028, असम, भारत

TEZPUR UNIVERSITY

(A Central University)

Napam, Tezpur - 784 028, Assam, India

Tezpur University Intellectual Property Rights Cell

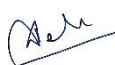
Report of

One day workshop on
**“Information Access and
Analysis in the Innovation and
Research Value Chain”**

10 Mayth, 2017

Organised by :

Tezpur University Intellectual Property Rights Cell
&
Central Library, Tezpur University



Prof. P. Deb
Chair Professor
Intellectual Property Rights Cell
Tezpur University, Tezpur-784028



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The researchers in present times need to monitor, study and analyse rapidly growing information appearing in diverse media, relevant to field, to keep the research work up to date. In doing so, one has to understand how to quickly access the relevant information from a variety of sources (electronic and non-electronic resources) with reasonable ease that can effectively avoid repeating what is already known or accidentally trespassing proprietary knowledge domains protected by Intellectual Property Rights. Keeping the above in view, a one day workshop on



Photo: Prof. P Deb offering the welcome address

“Information Access and Analysis in the Innovation and Research Value Chain” was organised on 10 May, 2017 for the students and researchers in the University by the Tezpur University Intellectual Property Rights Cell in collaboration with the Central Library, Tezpur University. The main aim behind organising such a workshop, in addition to the annual Patent Search and Analysis workshop, was to give a hands-on exposure to the diverse information sources/databases that may be accessed in various subjects of interest in Science, Technology, Humanities and Languages etc.

Prof. P Deb, Coordinator, TUIPR Cell, offered the welcome address to the gathered audience, comprising mostly the students and the researchers from Tezpur University with a few outstation participants from Dibrugarh University and Anna University, Chennai. He emphasised the importance of holding such workshop for getting equipped for doing proper prior art search in relevant field before initiating actual research. Similarly, Dr. M. Saikia, librarian, Central Library, Tezpur University deliberated upon the need of know the resources available in the University and making proper use of the same in preparation of research proposal at post graduate and Ph.D level. While delivering the inaugural address, IPR Chair Professor at Tezpur University, Prof. P. Ganguli reiterated the need to know and acquire the art of doing the literature review efficiently to keep the research up to date.

To provide technical deliberations and training on accessing electronic resource databases, the entire programme was divided into three technical sessions. The first two sessions were taken by Shri N.V. Sathyanarayana who is one of pioneers and expert working in the field of information access and technologies. He was the first person to introduce, publish and market CD-ROM technology products in



Photo: Dr. M. Saikia introducing the theme

India in late 1980s in India. He has also driven the development of world's largest ever portal/database for journal literature called J-Gate covering 45,000 e-Journals in English language.

Later part of the programme was focussed on introducing the participants to the resources available to the users through the subscriptions from the Central Library, Tezpur University. The session was deliberated upon by Mr. S.N. Sahu, Information Scientist, Central Library, Tezpur University.

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Photo: Prof. P Ganguli delivering the inaugural address

University, Sri Sathyanarayana further discussed on the importance of choosing the right database for a specific search for obtaining optimum output. Mentioning free databases like ShodhGanga (Ph.D Theses of Indian Universities), BASE (Aggregated Database of Open Access Repositories), WorldCat (Union Catalogue of 18,000+ Libraries worldwide), he highlighted the potential of the huge information contained in these sources and described how a proper search in the appropriate database can either fish out seemingly inaccessible information or help in identification of the library in the world that contains it. In the later part of his presentation, elaborate discussion was carried out on developing an appropriate strategy that starts



Photo: Sri N.V. Sathyanarayana addressing the gathering

Speaking on the occasion, invited speaker Sri N.V. Sathyanarayana deliberated on the topic “**The Art of Searching: Non-Patent Literature**” where he broadly addressed the issue of conducting *targeted search* of databases for contextual information with special emphasis on approaches, strategies and methods. Stressing on effective ways to mine required information early in research, he reiterated the need of mastering the ‘Art of Searching’ by the young researchers. Taking examples from some of the subscribed and free non-patent databases available in the Central Library of Tezpur



Photo: Prof. P Deb felicitating Sri N.V. Sathyanarayana

with identification of the right database, choosing appropriate keywords representing key concepts, supported adequately by proper Booleans. With some practical examples he demonstrated how varying sets of information can be retrieved with different usage of punctuations along with the key words. Last part of the discussion was focussed on understanding the basis behind various Research Productivity Indicators provided by different citation databases like Web of Science, Scopus etc. Deliberating on various myths associated with these Research Productivity Indicators like Impact Factor, H-Index, Citation Count etc., Sri Sathyanarayana apprised the gathered audience about the actual mechanism with which such indices come up with the analysis and evaluation. He also discussed the importance of such indicators and how these tend to affect the



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research and overall outlook of an institute for the accrediting and funding agencies. He also discussed how accreditation by such Research Productivity Indicators can go a long way in bringing in national/international recognition/accolades and opportunities to individual researchers. Drawing examples from home, he made the participants understand what might have played a vital role in putting Tezpur University in sixth position in NIRF ranking during 2016 among all central Universities across the country. Similarly, giving example of the most cited author from the university, Shri



Photo: Sri N.V. Sathyanarayana in one of the sessions

Faculty Publications) and through Open Access. The participants were informed about e-ShodhSindhu Consortium that provides current as well as archival access to more than 9081 core and peer-reviewed journals and a number of bibliographic, citation and factual databases in different disciplines from a large number of publishers and aggregator. Similarly, DBT e-Library Consortium (DeLCON) was also discussed which is a unique Electronic Journal Consortium that is operational since January 2009. A total of 1171 selective Journals and a Database (SCOPUS) are covered under

DeLCON. All of these are made accessible to the DeLCON Consortium Members through the DeLCON Portal. Others can also view and access abstracts of papers as free of costs. Shri. Sahoo also informed that Central Library enhances its e-resource collection through its institutional digital repositories. Presently it has two institutional digital repositories i.e. ETD Repository and Knowledge Repository. ETD Repository is the digital repository of Electronic Theses and Dissertations of Tezpur University while Knowledge Repository is the digital repository that preserves faculty publications of Tezpur University. Besides these, various Open Access resource databases were also discussed which give easy access to all its viewers. The participants were informed about repositories like World e-Book Library (WEL) which is the World's largest collection of Primary Source e-Books for academic libraries. It supports academic



Photo: Participants of the workshop in one of the sessions

Sathyanarayana discussed how the h-index of the author is calculated and how it will project towards individual achievement of the person as independent researcher and as contribution to institutional standing. In the next session, while discussing on the topic **Access of E-Resources** at Tezpur University, Shri. Sambhunath Sahoo, Information Scientist at Central Library, Tezpur University discussed various modes of E- resource access available through the Library. The discussion covered resource access through Consortia (ESS,DeLCON), Library Subscription, Tezpur University Intellectual Output (ETDs,



Photo: Sri S.N. Sahoo in one of the sessions



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Photo: Participants of the workshop with the organisers and the resource persons

research at all levels and subject areas by providing over 4 million plus eBook and 16 Million Journal articles, Audio Books, Children Books etc. in multidisciplinary subjects, originally scanned from the shelves of the top 50 University Libraries in the world published from the year 1000 till the 21st century that are fully downloadable without restrictions. It is the first and only one to offer Digitally Re-Mastered Editions of the most influential books ever printed from the 10th until the 21st century.

Moving on to the repositories of humanities and social sciences, the speaker discussed the importance of archives like South Asia Archive. Comprising material sourced from collectors and archivists by the South Asia Research Foundation, the South Asia Archive is an extensive resource for students and scholars across the humanities and social science disciplines. The historical documents within the archive are truly interdisciplinary, reflecting the varied range of knowledge productions in colonial and early post-colonial India and the wider sub-continent. Shri Sahoo further discussed on the organisational databases like the one created by Institute for Studies in Industrial Development (ISID), which covers various aspects of the Indian economy, particularly concerning the industry and the corporate sector. It provides access to indexes of 125 Indian Social Science journals and major newspaper articles, editorials and news features. Other field specific databases like "Indiastat" was also discussed which provides socio-economical and statistical information about India. Some of the subject specific databases were also discussed like ACM-digital Library (Computing Literature), IEEE Xplore® Digital Library (Engineering), ACS (Chemistry), APS (Physics), AIP (Physics), ASME digital collection (Mechanical Engineering), AACR Collection (Cancer Research), JBC (Biological Chemistry), etc. The discussion ended with some insights on the indexing websites like Web of Science and SciFinder.

The programme concluded with the vote of thanks offered by Dr. Monawwer Eqbal, Deputy Librarian, Central Library, Tezpur University.

Acknowledgement: The programme was financially supported by Tezpur University.

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Tezpur University Intellectual Property Rights Cell

Information Brochure:



One Day workshop cum Training on
INFORMATION ACCESS AND ANALYSIS IN THE INNOVATION AND RESEARCH VALUE CHAIN

Organized by
Intellectual Property Rights Cell and Central Library, Tezpur University
10 May, 2017

About the Workshop

Researchers of today are faced with the uphill task of monitoring, studying and analysing the rapidly growing information appearing in diverse media, relevant to their field of research. Further, it is to be appreciated that the entire knowledge space is simultaneously getting populated with non-proprietary (publications in various forms and media) and proprietary (such as patents, copyright, design registrations, etc) domains. Therefore, people who are involved in innovation and research have to understand how to access relevant information from a variety of sources (e-resources and non e-resources) with reasonable ease and speed so that they can effectively avoid "reinventing the wheel", repeating what is already known, inadvertently copying known works, and / or even accidentally trespassing (infringing) into proprietary knowledge domains protected by others.



The IPR Cell and Central library, Tezpur University, have designed an information access and analysis workshop for faculty/researchers/students of all discipline to familiarise them on how to search various databases so that the researchers can develop a groundlevel skill to carryout searches, analyse the relevant literature (including patent literature), prepare information and knowledge landscapes to meaningfully design their research proposal including work strategy.

The workshop on May 10, 2017 is our continued attempt in this direction. All researchers including faculty and students in Tezpur University should register for this workshop to take full advantage of this hands-on training session. Persons participating in this workshop will learn about diverse information databases and approaches to accessing them which will help to enhance the quality and output of their research.

All the participants are requested to bring their laptops to the venue

No registration fee is required.

Participation:

Faculty/researchers/students of all discipline can apply. Seats are limited as participants will be given hands-on training on the search system. Registration request prior to **09-05-2017** must reach (by email) to the following email id.

Interested participants may also register in the form kept in the Library reception Desk.

Email: ipw@tezu.ac.in

Address: 3051/3052/3050 (offic), IUPRI Cell

Venue: Council Hall, Tezpur University

Date: May 10, 2017

Time: 9.30 AM onwards



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TIME	PROGRAMME
9.30-10 AM	REGISTRATION AND TEA
10-10.05 AM	Welcome Address: Prof P Deb, Coordinator, TUIPR Cell
10.05-10.20 AM	Introducing the Theme: Dr Mukesh Saikia, Librarian, Central Library, Tezpur University
10.20-10.25 AM	Inaugural Address: Prof P Ganguli, IPR Chair Professor
10.25-10.30 AM	Vote of Thanks: Dr .Monawwer Eqbal, Deputy Librarian, Central Library, Tezpur University
10.30-12.30 PM	Technical Session I Targeted Searching of Databases for Contextual Information: Approaches, Strategies and Methods ---- Shri N.V. Sathyanarayana.
12.30- 1.30 PM	LUNCH
1.30- 3.00 PM	Technical Session II Mining Techno-legal Information in Patent Databases ---- Prof. P Ganguli
3.00-3.15 PM	SESSION TEA
3.15-4.00 PM	Technical Session II Accessing e-sources in Tezpur University Central Library ---- Mr. S.N. Sahu
4.00 PM	VALEDICTORY AND TEA



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List of Participants

Sl no.	Name	Organization/address
1	RITUSHREE BORTHAKUR	EDUCATION, TEZPUR UNIVERSITY
2	KASHYAPI KALITA	EDUCATION, TEZPUR UNIVERSITY
3	SUMAN BARUAH	EDUCATION, TEZPUR UNIVERSITY
4	SANDHAYA UPADHAYA	EDUCATION, TEZPUR UNIVERSITY
5	SHILPA BAIDYA	ENV SCIENCE,, TEZPUR UNIVERSITY
6	AMRITA DEKA	PHYSICS, TEZPUR UNIVERSITY
7	KUNTALA PAUL	EDUCATION, TEZPUR UNIVERSITY
8	NARJI BARUAH	EDUCATION, TEZPUR UNIVERSITY
9	POLI DAS	EDUCATION, TEZPUR UNIVERSITY
10	ARUP JYOTI CHUTIA	MECHANICAL, TEZPUR UNIVERSITY
11	MURARI KUMAR	MECHANICAL, TEZPUR UNIVERSITY
12	PRATEEK KUMAR	DEPT. of CSE, TEZPUR UNIVERSITY
13	ASRAF UDDIN AHMED	DEPT. of CSE, TEZPUR UNIVERSITY
14	JYOTISIKHA DEKA	DEPT. of ECE, TEZPUR UNIVERSITY
15	RAJESH SAIKIA	DEPT. of PHYSICS, TEZPUR UNIVERSITY
16	SHIVANEE BORPATRA GOHAIN	CHEMICAL SCIENCES, TEZPUR UNIVERSITY
17	JONALI DAS	CHEMICAL SCIENCES, TEZPUR UNIVERSITY
18	BABLY KHATUN	CHEMICAL SCIENCES, TEZPUR UNIVERSITY
19	DEEP KUMAR KURI	PHYSICS, TEZPUR UNIVERSITY
20	MITHUR J. SARMA	DIBRUGARH UNIVERSITY
21	SUDHANGSHU KASHYAP SAIKIA	DEPT. OF COMMERCE , TEZPUR UNIVERSITY



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22	ARUN RATHI	MECHANICAL ENGG., TEZPUR UNIVERSITY
23	PRASENJIT PANDA	MECHANICAL ENGG., TEZPUR UNIVERSITY
24	ABHIJIT NATH	MECHANICAL ENGG., TEZPUR UNIVERSITY
25	VISHWA JYOTI BARUAH	DIBRUGARH UNIVERSITY
26	DR. UTPAL DAS	DIBRUGARH UNIVERSITY
27	S. VAASU DEVAN	ANN UNIVERSITY, CHENNAI
28	ADITYA JAISWAL	DEPT. OF COMMERCE , TEZPUR UNIVERSITY
29	PRTANJIT SARMAH	DEPT. OF COMMERCE , TEZPUR UNIVERSITY
30	DR. MUKESH SAIKIA	CENTRAL LIBRARY, TEZPUR UNIVERSITY
31	PADUM CHETRY	DEPT. OF COMMERCE , TEZPUR UNIVERSITY
32	DR. HITESH SHARMA	EDUCATION , TEZPUR UNIVERSITY
33	SAMBHUNATH SAHOO	CENTRAL LIBRARY, TEZPUR UNIVERSITY
34	DR. MONAHWER EQBAL	CENTRAL LIBRARY, TEZPUR UNIVERSITY
35	BIKI DAS	DEPT. OF COMMERCE , TEZPUR UNIVERSITY
36	DR. RAJINDER SINGH	EDUCATION , TEZPUR UNIVERSITY
37	RAGHVENDRA CHOUDHARY	COMPUTER CENTRE , TEZPUR UNIVERSITY

Participating Organisations/Institutions:

1. Tezpur University, Assam
2. Dibrugarh University, Assam
3. Anna University, Tamil Nadu



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Profile of the Resource Persons:

N V Sathyanarayana is a former Librarian, Information Entrepreneur and Information Services and Products Developer rolled into one. He is the Founder Director of Informatics India Ltd, a leading Information Products and Services Company, established in 1980. Currently, he is the Chairman and Managing Director of Informatics. He started his career as a Librarian and worked for eight years (1972-79) in the following institutions – Poomaprajna College, Udipi, Indian Institute of Science, Bangalore, HMT, Bangalore, and



Smith Kline & French, Bangalore, before promoting his brainchild Informatics. Informatics pioneered the introduction of International online database access in 1984, long before the birth of Internet. First to introduce, publish and market CD-ROM technology products in India in late 1980s in India. He has driven the development of worlds largest ever portal/database for journal literature called J-Gate covering 45,000 e-Journals in English language.

Sathyanarayana has been associated with the many professional/academic activities in the information profession. To mention a few notable ones:

- Member – "Working Group on Content Creation and Content Industry" of The National Task Force on Information Technology and Software Development set up by the Office of the Prime Minister of India. (May 1998-2000);
- Chairman – Working Group on Libraries & Knowledge Network (LKN) – Karnataka Knowledge Commission – (2008-2012)
- Member – Research Council, National Institute of Science Communication and Information Resources (NISCAIR), New Delhi (2010-)
- Member – Committee for review of the organisation structure of NAAC (UGC) (2008-2010)
- Member – Review Committee on restructuring University Library System, Bangalore University (2013)
- Visiting Professor – Dept. of Studies in Library & Information Sciences, University of Mysore, Mysore (2002-2003)
- President – Karnataka State Library Association (1999-2001)
- Vice President – Society for Information Science (India) (2003-2008)
- Member – Sectorial Group on "Information: Technology, Resources & Products" for the 11th Five Year Plan constituted by the Planning Commission for CSIR, (2006).
- Member – Board of Studies in Library Information Science, SNDT Women's University, Mumbai (2000-2005).
- MEMBER – Board of Studies in Library & Information Science, University of Mysore (2007-2009)

He is the Recipient of Young Information Scientist award in 1991 by the Society for Information Science (India) for his contribution in pioneering the introduction and promotion of Online and CD-ROM technology products and publishing in India during 1980s.



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Dr. Prabuddha Ganguli is a renowned scholar in the field of IPR. Actively involved in IPR Capacity Building Programmes, Formulation and implementation of National IPR Policies in several developing and least developed countries, Dr. P. Ganguli has been an international consultant to the World Intellectual Property Organization (WIPO), Geneva. Dr. Ganguli is also a qualified Patent Agent in India. He is the MHRD IPR Chair Professor at Tezpur University and is the CEO of his consulting firm "VISION-IPR".



After obtaining a Ph.D. in Chemistry from the Tata Institute of Fundamental Research, Mumbai, Dr. Ganguli pursued his postdoctoral research in Germany as an Alexander von Humboldt Foundation Fellow and later in Canada as a Research Associate at the University of Windsor. Dr. Prabuddha Ganguli has over 50 publications in technical fields, over 60 publications in IPR and has authored 6 books in the IPR.

Following a brief stint as Visiting Scientist at the Bhabha Atomic Research Centre, Government of India, Dr. Ganguli worked in Hindustan Unilever Ltd, the Indian subsidiary of Unilever for over two decades in various management positions including Research, Manufacturing, IPR, Knowledge Management, Corporate Information Security and Corporate Planning. Among several important positions he holds, he is Honorary Scientific Consultant for Innovation and IPR matters to the Office of the Principal Scientific Adviser, Government of India, member of the Advisory Board of the International Intellectual Property Institute, Washington and member of the Advisory Board of the Institute of Intellectual Property Studies, Mumbai. He is a member of the International Editorial Board of the IPR Journal "World Patent Information".

As MHRD IPR Chair Professor, he has been leading the IPR Programme in Tezpur University and the Tezpur University IPR Cell since 2012. The IPR activities in the university including the IPR outreach programmes in the North East Region have taken off remarkably under his leadership.

In February 2011 he was awarded "The Chemtech Pharma-Bio World Award 2011 for outstanding contribution in the field of Intellectual Property". The legal fraternity in India under the banner of "LEGAL ERA" honoured him with "The Lifetime Achievement Award" for his continued contribution in the field of IPR. In October 2014, The Tata Institute of Fundamental Research (TIFR) Alumni Association in India, conferred on him their Excellence Award for his contributions in the field of Technology Management and IPR.



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Sambhunath Sahoo is currently working as Information Scientist (September 2015-till date) at Central Library, Tezpur University. He has more than 9 years of experience in the field of Library and Information Science. He started his career as Junior Engineer in Indian Railway and served one year (2008), then switch over his profession to Library profession. Then, he joined as Librarian in Indian Railway, Ministry of Railway, Govt. of India in the year 2009 and served 7 years.



Presently, he is managing library automation & networking, library website, institutional repositories, library servers, library newsletter, current awareness services (CAS), digital resource centre (DRC), and ETD lab at Central Library, Tezpur University. He has developed Library website, ETD Repository@TU, Article request portal at Central Library, Tezpur University. His area of interest in Library and information Science field are Library automation & networking, Library website, Digital Library, Institutional Repository, Library 2.0, Open source software, Content Management System (CMS), etc. He has also worked on different open source software, the most notable ones are DSpace, Koha, Joomla, Drupal, Wordpress, etc.

Mr. Sahoo has been associated with many professional activities in Library & information Science profession. He has been life member of the following organizations/associations:

1. Indian Library Association (ILA)
2. Society for Advancement of Librarianship (SAL)
3. Odisha Library Academy (OLA)