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International Conference on Digital Transformation: Preservation, Policy and Privacy

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Conference Newsletter

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About

Digital transformation is the integration of digital technology into different areas, fundamentally changing the way we operate and deliver value to stakeholders. It demands a radical and cultural switch over that requires organizations to continually challenge, experiment, and get comfortable with the future. This new digital landscape has gathered new tools and technologies and range of perspectives on digital transformation not only in the education system, but also in public services through various disruptions, to improvise the sustainable lifestyle using data, information and knowledge.

These stimulus transformations accelerate productivity as well as growth and are instrumental in addressing pressing challenges and harness skills of privacy, security and social interactions. Digital preservation is a formal endeavour to en-

sure that digital information of continuing value remains accessible and usable. It combines with three commissions together and integrates such as Policies, Strategies and Actions to fortify access to reformatted and born digital content. Whereas Digital Privacy is a trending social concern, the privacy protection debates have sparked many controversies and bolster issues of social security.

New age Information and Knowledge Centres are struggling with conflicts over surveillance, secrecy and protection of intellectual freedom in the new paradigm shift which is privacy centric. For effective digital transformation implementation, it is important it should



be inclusive, coherent and a holistic approach towards digital rights policy proficient with meteoric pace of changes. This international conference will focus on the discussion and deliberations on many of the issues emerging out in relevance to digital transformation as many sectors of Research and Knowledge industries are still at the early stages of such profound transformation.

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Special points of interest:

- * Digital Transformation in Agile Environment
- * Challenges in Managing Emerging Technology in Global Economy

Inaugural Session

The ICDT-2018 was inaugurated by Dr. Ranbir Singh, Vice Chancellor, NLUD, Dr. Vijay Kumar, Vice Chancellor, NLIU, Bhopal, Dr. Amit Kumar, Sr. Director, TERI, Mr. Jeroen Vervliet, Director of Hague Peace Library with lighting of lamp. The welcome address was given by Dr

Ranbir Singh. He talked about the ranking of NLUD and discussed the journey of NLUD from 2008 to present time followed by the information of prominent students of NLUD. He further talked about the digitalization of the library.



Briefing of the conference

was done by Dr Vijay Kumar, VC of NLIU, Bhopal. He talked about the journey of libraries from ancient time to digital age. He also discussed about the digitalisation and its benefits. In addition to this, he also highlighted the issues with regard to Digital Transformation and its relevance in Education. The Keynote address was delivered by

Mr. Jeroen Vervliet, Director of Hague Peace Library and discussed the S.R. Ranganathan's five laws of library science in the age of digital information. Inaugural address was given by Dr. Amit Kumar, Sr. Director of TERI. He briefly talked about the role of digital information play for achieving sustainable development goal. The inaugural

session came to an end with vote of thanks proposed by Dr Priya Rai, Deputy Librarian, NLUD and Organizing Secretary ICDT 2018.

Plenary Talk 1 Digital Transformation in Agile Environment

There exists a significant gap between the teachers and the ones who are being taught. Digital linkage can be an effective tool to bridge such gaps. The need of the hour of legal education is making facilitation of tools obtain digital transformation. With this note, the session was started. It was chaired by Prof. (Dr.) Vijay Kumar, Vice Chancellor, NLIU, Bhopal. The keynote speaker was Mr. Antonio Martin Roman, Chief Librarian, Ministry of Justice and Human Rights, Argentina Republic. The special address was delivered by Prof. (Dr.) R.K. Chaddha, Ex-Additional Secretary, Parliament of India and the session was moderated by Dr. Shantanu Ganguli, Sr. Fellow, TERI. Mr. Antonio Roman delivered a note upon the right to access the digital transformation through public librar-

ies in Argentina for the common citizens and prisoners as well. He expressed his views that access to quality information is a matter of right but, facilitating the same is an arduous task. He introduced the library structure, organisation and the use of ICT to make information available to the people in Argentina. According to him, a prisoner is a product of socio-economic circumstances and thus, access to libraries often work as a therapy to reform and transform them. Dr. Chaddha was of the opinion that technology is bringing in greater transformation, while disrupting the settled system and the libraries and librarians need to keep themselves



updated with the changing technological advancements. Using a feedback from users would go a long way in helping the cause.

Plenary Talk 2 Presentation on Digital India Project

Mr. M S Rao, IAS, President & CEO, Governance Division, Ministry of Electronics & Information Technology, GOI delivered a keynote address on "Digital India Project". Digital India is a campaign launched by the Government of India to ensure the Government's services are made available to citizens electronically by improved online infrastructure and by increasing Internet connectivity or by making the country digitally empowered in the field of technology. It is a dream project of Government of India to transform India into a knowledge economy, digitally empowered society, along with best services for Indian citi-

zens. He also discussed about the pillars of the Digital India Project such as Broadband connection, Make in India programme, e-Governance, e-Kranti, Digital Payments, Digital Skill, JAM Trinity, eTAAL, mkisan, UMANG, GeM, Cyber Security: Digital Kavach, Digital Literacy and Participatory Governance. In the end of his address, He discussed the vision of Digital India Project which is to make a change at the ground level and going to be successful if it transforms the lives of citizens and provides



access to multimedia content and services.

Plenary Talk 3

National Digital Library of India & Development of Public Libraries in India

The third plenary talk of the day was on the topic of 'Digital Library of India & Development of public libraries in India'. It was chaired by Prof. RK Chadda and co-chaired by Mr. Yogesh Kumar. The moderator was Dr. Sufian Ahmed. In this session, Prof Partha Pratim Das delivered a keynote address 'One library All of India' and discussed about the role of libraries in society and pros and cons of digital libraries. He focused on the role of NDLI and its importance in libraries

and digital transformation. He also explained the other initiatives taken by NDLI such as development of Indic languages in digital formats, data and big data, policy and privacy of digitisation, OCR and PDF. In the session, Dr. Jagdish Arora, Director, INFLIBNET delivered an invited talk on 'Ranking of Universities', in which he emphasized the parameters of ranking the universities. During his talk, he stressed upon the methods to rank the universities i.e. number of publication, citations,



achievements of the Institution, public perception about the institutes etc.

Technical Session 1

Digital Strategies & Innovation

Technical Session 1(A):

The session on 'Internet of Things, Big data and Knowledge Discovery', was chaired by Dr P K Bhattacharya, Director, Library, TERI and the Co-chaired by Dr Neeraj Kr Chaurasia, DL, IIT Delhi. It was moderated by Dr Babita Gaur. Dr Bhattacharya started the session, highlighting different types of data with examples and future trends of data analytics and also explained Internet of Things with different examples. There were paper presentations which explained new technologies and gave information about internet, RFID, TOR, Wi-Fi and IDRC. This seminar session highlighted the importance of data privacy, advance technologies in the future, etc.

Technical Session 1(B):

The theme of the session was 'Digital Strategy & Innovation', chaired by Prof Ritu Gupta, NLUD and co-chaired by Dr. Manish Bajpai. The session was moderated by Dr. Habibur Rahman and the invited talk delivered by Dr. Kalyan Bhattacharya, Dy. Registrar, IIT Delhi. In this session, Dr. kalyan Bhattacharya discussed about the digitalization process of the official documents of IIT Delhi from 1960 onwards.

In this session, three Faareha Shahid talked about the use of semantic web technologies and how to effectively use w3c standards for semantic web inefficiencies of OCD portal in India. Moni Shankar Chettri, Asst. Librarian from Dehradun explained the development of quantitative subject access tool to identify different keyword clusters. Hirak Jyoti Hazarika described to integrate new metadata standard with dspace IR software which is helpful for retrieval purpose and DICOM metadata help to identify medical image DICOM tags. Gaurav Bhargava explained wearable technology has huge potential in oil and gas industry like risk reduction of personal maintaining assets in hazardous environment.

Technical Session 1(C):

This session was on the topic of 'Digital Library of India & Development of public libraries in India'. It was chaired by Prof. RK Chadda and co-chaired by Mr. Yogesh Kumar. The moderator was Dr. Sufian Ahmed. In this session, two people have focused on the topics related to conference. In first talk, delivered by Prof PP Das on "One library All of India" and focused on the role of MDC and its importance



in the 21st Century libraries and digital transformation, development of Indic languages in digital formats, data and big data, policy and privacy of digitisation including MDS club and OCR, PDF. Invited talk was given by Dr. Jagdish Arora as the topic of 'Ranking of Universities'. In this lecture he emphasised how universities should be ranked. He mentioned four types of methods to rank the universities on the basis of citation of publications. He also discussed about the selection of nobel prize nominations and chairman of session excellently start and concluded the session with full dynamism.

Plenary Talk 4

Trends on E-Learning and Digital Archives

The talk had been facilitated on the topic, 'Changes are accessible and affordable', by a bench chaired by

Prof. (Dr.) Manoj Kumar Sinha, Director, ILI, New Delhi. He discussed about ILI publication and digitalisation

process and expressed his opinion that digital collection is available in public domain and that technology is

facilitating quicker research. He highlighted the need of infrastructure and that the policies need to take into consideration even the last person of the society. The State has a greater responsibility to facilitate the need of public universities and cater the needs of teaching fraternity and other sectors of the field.

The invited talk was delivered by Mr. Parameswaran, N., Advisor, MHRD, who highlighted the digital initiatives in Higher Education: SWAYAM, SWAYAM PRABHA, National Digital Library, eYANTRA and virtual lab, and the National Academic Repository. He brought to light the fact that the Gross Enrollment Ratio (GER) was 25% and

that India stands at 131st place out of 161, in ICT skills. He discussed the requirement of digital education in present scenario where infrastructure is not available. SWAYAM provides for free online education for all. He discussed the potential benefits of SWAYAM.

The Special Talk was delivered by Ms. Sarah Ziebell, Regional Public Engagement Specialist for South Asia, U.S. Embassy, New Delhi. She talked about blending online education and social learning and the experiments with facilitated MOOCs.

Dr. T.R. Madan Mohan, MAP System India, talked about 'Digital Library Transformation' and highlighted that



the changing role of libraries demand that the professionals work along with the changes.

Technical Session 2 Social Media and Privacy

Technical Session 2(A):

The theme of this session was 'e-Learning and social networking services in Academia' and was chaired by Prof. Alka Chawal, Prof. of Law, DU, and co-chaired by Dr. Rishi Tiwari, Head Librarian, BIMTECH. Prof. Chawla introduced the theme of the session. The keynote address was delivered by Mr. Shantanu Ganguly, Fellow, TERI, who discussed 'Marketing 3.0, A Paradigm Shift'. He discussed digital marketing and traditional marketing and was of the opinion that if one changes the reach and the speed then, one shall change the scale. He focussed on the video marketing of the library products. Dr. Amit Kumar spoke on social media and social media analytics (SMA), in connec-

tion with the libraries. The session ended with paper presentations by students of various universities on the theme.

Technical Session 2(C):

The theme of this session was "Internet Privacy Issues and Data Protection". It was chaired by Jeroen Vervliet. The co-chairperson was Dr Prabhat Pandey. The Invited Talk was Mr Somnath Banerjee. He spoke on cyber-security and how data can be abused by some organisations. Sahil Kumar discussed GDPR and the IT Act. He also talked about the heavy dependence of people on technology and its harmful effects. Further, there was a presentation on social privacy, and the fundamental rights, and the



hiking of data theft by social media. In another presentation, there was a discussion on legal protection database. He also talked about the strict laws in developed countries and financial penalties for the crime. Finally, there was a presentation on cyber crime and the IPR regime.

Panel Discussion 1 Integrating ICTs in Academia: Key Challenges

The panel discussion on Integrating ICT in Academia: Key Challenges was chaired by Dr. RK Chaddha and co-chaired by Ms. Anita Khanna. Ms. Lindy Melman, senior editor of Brill (Netherlands) spoke about the Brill's initiative for marketing the digitalisation and digital preservation and company's profile to the audience. Reviewing the articles or books is becoming easier as it is shifting online. Mr. Jeroen Vervliet spoke on the challenges that

libraries face in becoming digital. He elaborated upon the technological issues and limitations. He discussed the transition of traditional library to digital library and initiatives taken by the Brill library and the journey of transformation of Brill library. He talked about various issues in day to day functioning of digital library and covered various issues such as proprietary vs. integration, circulation problems/distant access, one side contact, perpetuity,



simultaneous publishing and statistics and conclusions. He also talked about

the library paradox and how it diminishes the actual usage of reading rooms. Ms. Anita Khanna spoke about

e-parliament and online reference services.

Technical Session 3 Publishing Technology and Future of Academia

Technical Session 3(A):

The theme of the session was 'e-Publishing and Digital Archives'. The session was chaired by Mr. R.K. Verma, Ex-Chief Scientist, CSIR and was co-chaired by Dr. Siva Chidambaram, Librarian, AIIMS, New Delhi. The publisher's perspective was put forth by Ms. Tashfeen Khan, National Head, Digital Sales, Cambridge University Press. The invited talk was delivered by Mr. Raghavender, G.R., Joint Secretary, Ministry of Law and Justice, Govt. of India, where he expressed his views regarding the interface between e-publishing and digital archives. Mr. Chidambaram threw light upon the topics of e-Journals and e-Publishing. There papers presented by the stu-

dents of various colleges on the theme.

Technical Session 3(B):

The theme of this session was Publishing Technology and Future of Academia. The sub-theme was Virtual libraries and e-Repositories. The session was chaired by Dr. Atul Kumar Pandey and co-chaired by Mr. Rajesh from Patna University. Jeroen Vervliet talked about peace library. He talked about how turning libraries into virtual and digital repositories has made categorising content easier. He also talks about the need to re-educate the staff and direct to new future is important for digital transformation. Ms. Jyotika presented a paper on status of institutional repositories in India - information



is very important component. CSIR is the main institute to initiate for repository setup in India.

Technical Session 4 Knowledge Organization and Services

Technical Session 4(A):

The technical session on Electronic Resources Management & Learning was chaired by Sh. Shreenibas Chandra Prusty and co-chaired by Dr. Shalender Singh Chauhan. The keynote address was delivered by Mr. NJP Shilohu Rao, General Manager, Digital India. He discussed about e-learning environment and highlighted the importance of use of technology in teaching-learning environment. The paper presenters of the session was also highlighted the importance of electronic resources and its use in the academic environment.

Technical Session 4(B) & 4(C):

The theme of this session was Knowledge Discovery and Innovation.

It was chaired by Prof. KPS Mahalwar and co-chaired by Dr. Sarita Mittal. The invited talk was by Dr. KP Singh and Abdul Aleem. Dr. KP Singh delivered talk on the the topic of Transformation of LIS Education in India Role of SR Ranganathan. He provided the complete history of LIS in India since 1911. He discussed the contribution of Dr. Ranganathan in LIS and talked about training course work of LIS, starting of BLISC/MLISC/MPhil and PhD programmes in India, use of ICT in LIS, transformation of LIS courses, formation of five laws of LIS. The second speaker of the session was Abdul Aleem from University of Sharjah. He briefly described the functions of University of Sharjah established by Kings of Sharjah and information literacy



programme in all the libraries of the university campus, library of Dubai, Medical and Pharmacy college. He then discussed the information storage process and digital transformation and ICT use at their library.

Plenary Talk 5

Challenges in Managing Emerging Technology in Global Economy

The chairperson of this talk was Dr. R.K. Chadha. The Invited Talk was delivered by Prof. Uma Kanjilal. She introduced Industry 4.0 and 5.0, and Society 5.0. She also talked about the role of robots and simulation, Internet of Things and services. She introduced Mines of Machines that is artificial intelligence. She also talked on augmented reality in libraries. She discussed about Fingerlink, which is a project developed by Fujitsu that let you use digital tools to work with. Nimble designed by Google engineers

offer digital enhancement of a print book. It also incorporates the idea of term by term library guide. Another invited talk was delivered by Ms. Gladys Monica del Carmen Dodero, where she talked about the Central Library of Supreme Court of Justice of Argentina and emphasised that cooperation among librarians is of paramount importance and it is high time for them to embrace the technological advancements.



Technical Session 5

Global Dimensions of IPR

Technical Session 5(A):

The theme of this session was 'Global dimensions of IPR' and was chaired by Dr. R.K. Shrivastava, Additional Secretary, Supreme Court of India, and co-chaired by Dr. Sunil Kesari, Director, Parliament Library. Dr. VK Ahuja (Asst. Prof., University of Delhi) mostly talked about different aspects of IPR especially important treaties worldwide. He discussed certain cases or infringement of copyright, digital rights, artificial intelligence, video streaming, social media etc. There were 5 papers presented by contributors in the session.

Technical Session 5(B):

This session on "Copyright Issues in the Digital Era" was chaired by Dr. Babloo Sutradhar and co-chaired by Dr. Rajesh Singh. There was a discussion on various conventions on copyright issues at the international level

and its effects on IPR in India. Limitations of existing IPR laws was also discussed. There was a paper presented which discussed how different IPR tools can check and help to minimize infringement of copyright in the digital environment. In another paper presentation, there was a discussion of the existing Indian copyright laws.

Technical Session 5(C):

The theme of this session was Global Dimensions of IPR and chaired by Dr. Nabi Hassan and co-chaired by Dr. R.K. Verma. The Invited talk was delivered by Dr. Smitha Prasad, who talked about protection and collection of data, accountability of personal information, transmission of data technology and legal perspectives of data loss. Vasundhara Singh spoke on the issue of global dimensions of IPR. She discussed rectification of national cyber offence and highlighted the strength of



IPR system. Mr. Shrikanth K Kashyap discussed blockchain technology in various sectors. Tanvi Kum and Purvi Chandana examined the economic expectation of infringement of privacy the data privacy bill. Aditya Jain and Pankaj J Meenu discussed data protection bill and implications of rule and intention in the same. They also compared the bill with legislations of foreign jurisdiction.

Panel Discussion 2

Academic Plagiarism and Piracy in Digital World

The panel discussion on Academic Plagiarism and Piracy in Digital World was chaired by Dr. D.V. Singh and Co-chaired by Dr. Shalender S. Chauhan.

All published and unpublished material, whether in manuscript printed or electronic form is covered under this definition. Digitisation of academic

papers have made checking academic plagiarism much easier. Academic plagiarism occurs when a writer repeatedly uses more than four words

from a printed source without the use of quotation marks and a precise reference to the original source in a work presented as the author's own research and scholarship. The 4 discussant namely Dr. Sanjay Kataria, Dr. Tariq Ashraf, Dr. Lagdhir Rabari and Dr. M. Madhusudhan participated in

the discussion and highlighted various aspects of plagiarism and presented the academic scenario of the country.



Technical Session 6 Challenges and Pitfall of Technology

The title of this session was "Challenges and Pitfalls of Technology". The Chairperson was Mr Prem Chand. The Invited Talk was given by Neeti Saxena and Anand Krishnan. Neeti Saxena talked about how the library is moving from traditional to modern, and also talked about the

Digital Database Resource, advanced using of ICT, Customer Relationship System and Library Changing Scenario. Anand Krishnan focused on Information Security, Benefits of Conferences, Privacy and Data Protection. Rakesh Mohinder focused on awareness and attitude towards plagiarism.



Valedictory Session

The welcome address was given by Dr. Ranbir Singh. He spoke on the significance of ICDT and its success in bringing together great minds from across the nation. Briefing of the report was done by Dr. Priya Rai. Then Shri. Mangesh Kashyap gave the special address. Benoit Sauveroché gave the keynote address while the main valedictory address was given by Prof. Paramjit S. Jaswal wherein he highlighted the need for conferences like

ICDT and applauded NLUD for conducting and organising such a conference on a large scale. Lastly, the valedictory ceremony ended with the vote of thanks given by Dr. Akash Singh wherein he thanked the institution, Dr. Ranbir Singh and all the participants and contributors for making this conference a huge success.



International Conference on Digital Transformation: Preservation, Policy and Privacy



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