

ICDL 2019

International Conference on Digital Landscape

DIGITAL TRANSFORMATION FOR AN AGILE ENVIRONMENT

November 6–8, 2019 | IHC, New Delhi, India



#ICDL 2019 | #Act Digitally

CONFERENCE BULLETIN | DAY 3

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ICDL 2019 SESSION 1

MAKING TRADITIONAL KNOWLEDGE WORK : SOME POLICY ISSUES

Chair: Augustus S. Suting, Officer in Special Duty SCSTE, Meghalaya

Keynote Address: Asim Ali Khan, DG, Central Council for Research in Unani Medicine, Ministry of AYUSH, GOI

Speakers: Dipankar Saharia, Director, TERI North-East Centre

Moa Toshi, Assistant Professor, Department of Law, Delhi University

Augustus S. Suting started the session by emphasizing on preservation and documentation of traditional knowledge. Asim Ali Khan described how traditional knowledge is acting as a basis for food preparation, medical practices, etc. He explained the role of traditional medicines in treating different types of diseases and Ministry of AYUSH in the preservation of traditional knowledge. Moa Toshi spoke about the importance of laws in all the fields, customary laws of the traditional people and how they are using these laws. He observed that Indian Constitution does not provide any law regarding preservation of traditional knowledge. Dipankar Saharia explained that in Northeast, there are different tribes having different practices and traditional knowledge. He said



that tribal people use their knowledge for making medicines and treating different diseases.

ICDL 2019 SESSION 2

TRANSFORMATION IN PUBLIC LIBRARIES

Chair: H K Kaul, Director, DELNET

Co-Chair: Narender Kumar, University Librarian, University of Delhi

Speakers: Soumen Sarkar, Deputy Director, RRRLF; R K Chadha, Former Additional Secretary, Government of India; P R Goswami, Former Director, CSL; M Ganesh, Librarian in Charge Connemara, Public Library; Ruchi Dhona, Founder, Let's Open a Book, and Babita Gaur, Senior Library and Information Officer/ Deputy Director Administration, Additional Charge of Head of the Department and Member Secretary of Delhi Library Board

Dr HK Kaul began the session introducing the theme and panellists. He emphasised that there is an urgent necessity to drive transformation in public libraries in India and live up to the citizens' expectations. Ms Babita Gaur spoke on the role of public libraries in India: a case study of Delhi Public Library (DPL). She presented different readers' and community outreach services offered by DPL through a network of 34 branch libraries across Delhi NCR. DPL has become the second busiest library space in Asia. Mr M Ganesh spoke on how a continuous transformation is taking place in Connemara Public Library, which is not just a series of internally but also externally-driven processes. Dr PR Goswami talked about the community engagement in public libraries. He suggested to have well-defined outcomes, improving interactions with the users' community, and developing and evaluating programmes and services. Dr RK Chadha spoke on re-envisioning public libraries in India, where he discussed creative



and innovative transformation of public libraries in the country. Ms Ruchi Dhona spoke on transforming a public library, "the middle land". She shared her experiences of promoting community libraries in Spiti Valley in Himachal Pradesh where resources are very limited. Mr Soumen Sarkar spoke on development of public libraries across India through the programmes and schemes of RRRLF. He also presented how RRRLF is facilitating transformation of public libraries across the country, handholding the state governments. Dr Narender Kumar concluded the session and appreciated the suggestions made by the speakers in uplifting the status of public libraries in the country.

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ICDL 2019 SESSION 3

DIGITAL LIBRARY AND SERVICE INNOVATION

Chair: S.S Dhaka, Director, Library & Information Centre, Ministry of External Affairs

Co-Chair: M Abu Sayeed, Director, Government of Bangladesh

Invited Talk: Alka Suri, Director DESIDOC

Guest Speaker: Md Nasiruddin Mitul, Prof. & Dean-Academics, National University, Bangladesh

Contributed Speakers:

Meenakshi Bhatia, Sufian Ahmad, Zehad Rahman, Sufia Khowaja and Nishat Fatima

Alka Suri described virtual assistant Chatbots which engages users by human-computer interaction. The chatbots provide general guidance from programmed instructions. She proposed that libraries should consider the Chatbots as another tool for reaching out to users. Naseerudin Mitul delivered a case study on natural disasters in



Bangladesh. Meenakshi Bhatia spoke on archives which preserve and conserve the historical documents on homeopathy with provision of remote access, user-friendly retrieval and spur research and education. Sufian Ahmad elucidated on big data, its arrangement by Hadoop and Python, deriving insights from data and the characteristics of big data (Volume, Velocity, Variety, Veracity, Value). He advised libraries to follow Amazon tactics to know their customers needs, preferences, behaviour and serve customers in a better way.

ICDL 2019 SESSION 4

MOBILE APPLICATIONS AND CLOUD COMPUTING

Chair: Rajeev Vij, Associate Director & Scientist G, DESIDOC

Co-Chair: Sanjay Kumar, Librarian, NITI Aayog

Invited Talk: Brijesh Kumar, Head IBM Programs, Dept of CSE, Manav Rachna International Institute of Research & Studies

Contributed Speakers:

Mohd. Firoz; Sudip Bhattacharjee and Sourav Malakar; Vishakha and R Sarangapani

Brijesh Kumar spoke on Mobile Applications and Cloud Computing. He discussed Cloud-based applications, Models of Cloud computing, Cloud deployment models, Mobile computing, and trends in mobile phone subscription. He also explained few mobile- and cloud computing-based platforms



in Library Science. Examples are EasyBib and Trello Mobile App for Library, Mendeley, Redcube, Ted. Vishakha Shankar talked about cloud computing. She elaborated on the relevance of cloud computing to libraries and how libraries can be transformed into smart institution.

ICDL 2019 SESSION 5

RESEARCH DATA MANAGEMENT

Chair: Sonia Barbosa, Manager, Data Curation, Harvard University, USA

Co-Chair: Anup Das, Assistant Librarian, Jawaharlal Nehru University

Invited Talk: Samar Verma, Senior Program Specialist, International Development Research Centre (IDRC), Canada

Contributed Speakers:

Manika Lamba; Sadaf Zia and Muzamil Mushtaq; Raashida Amin, Arshia Ayoub and Zahid Ashraf Wani

Starting the session Sonia Barbosa asserted that we should make people more aware about research data management and its benefits for future use. Samar Verma talked about the research data management in detail. He underlined that there is a need for research in data management. He



mentioned that the research data should be funded by the government and public sector companies. Manika Lamba presented her paper on Electronic theses and dissertations in ProQuest in regard to text analysis. Sadaf Zia talked about evaluation of select international digital libraries websites with regard to a webometric analysis. At the end Anup Das summarized the whole session.

ICDL 2019 AWARD

RESULT OF BEST POSTER AWARD

First Prize

Priyanka Bose

Digital rights management and how it is solution to libraries

Second Prize

Monika Mukh

Information E-resources for Generation Alpha: MRIS library as an Information Resource Centre

Third Prize

Anuradha Maurya

Digital avatar: is E-publishing future of publishing

ICDL 2019 SESSION 6

INDIGENOUS KNOWLEDGE IMPLICATION FOR SUSTAINABLE DEVELOPMENT

Chair: T. Madhan Mohan, Adviser-Consultant, NER-BPMC/DBT and former Senior Adviser and Scientist H, Department of Biotechnology

Co-Chair: Rishi Tiwari, Librarian, BIMTEC, UP

Speakers:

Siddharth S Edake, Fellow TERI

Abikola Sumi, Entrepreneur, Dimapur

B. K. Tiwari, Retd. Professor, Department of Environmental Studies, North-Eastern Hill University, Shillong

Junie Lyndon, Senior Scientist, Bio-Resources Development Centre, Shillong



Siddharth S Edake talked about community conserved areas as a strategy for biodiversity conservation in Nagaland. He discussed the community mobilization, linking CCA across landscape, participatory mapping and GIS, fines imposed on trespassers, formation of joint CCA, conservation education and awareness, biodiversity assessment and registration. Abikola Sumi spoke about traditional farming on Naga Hills, including shifting/jhum cultivation practised by Sumi Naga. B.K. Tiwari explained IK based natural resources management systems in War Khasi tribe of South Meghalaya. Junie Lyndon discussed the promotion and protection of indigenous medical knowledge and practices of Meghalaya.

ICDL 2019 SESSION 7

BLENDED LEARNING IN EDUCATION

Moderator: Madhu Parhar, Director, CEMCA

Coordinator: Manas Ranjan Panigrahi, Senior Programme Officer Education, CEMCA

Speakers: V Venhaiah, Former Vice-Chancellor, Krishna University, Jubilee University, Hyderabad; Amarendra Prasad, Joint Director, CIET, NCERT; K Srinivas, Professor in ICT, NIEPA (Deemed to be University)

Contributed Paper: D S Thakur, NIEPA, Integrating MOOCs in Blended Learning for New Generation of Learners

Dr Madhu Parhar began the session introducing the theme and panellists. Dr V Venkaiah spoke on Blended Learning in Higher Education, where he shared his experience of implementing blended learning in his university. He also introduced



the kinds of activities undertaken in technology-enabled learning (TEL) environment in a university campus. Dr Amarendra P Behera spoke on the National Initiative for School Head and Teachers' Holistic Advancement (NISHTHA), and presented a case study of teachers training programmes at NCERT on use of ICTs in the classrooms. Dr K. Srinivas spoke on Why Blended Learning, and mentioned four aspects of blended learning, namely, Quality, Interaction, Motivation and Connectivity. He highlighted how commitments of the teachers make the positive impact on the students' mind.

ICDL 2019 SESSION 9

EMERGING TRENDS IN LIBRARIES

Chair: Dilara Begum, Professor & Chairperson, East-West University, Bangladesh

Co-Chair: Sufian Ahmad, Deputy Librarian, Jamia Millia Islamia University, New Delhi

Invited Talk: Hannelore Vogt, Director, Cologne Public Library, Germany

Guest Speaker: Shamma Almeri

Contributed Speakers: Atin Nandi, Samrat Guha Roy, Nishant Kumar, Madhu Dogra



Hannelore Vogt presented the case study of Cologne Public Library. She explained that library users can explore and discover the world because learning takes place through games, artistic offerings, courses and other events. Shamma Almeri spoke on E-research Information discovery and delivery within a virtual research environment: proposal for academic library. Atin Nandi explained how libraries can be made green and benefits. He presented the case study of IIT Kharagpur Central Library as a marching towards Green concept. Samrat Guha Roy elaborated the tool that searches seamlessly across a wide range of local and remote content. Nishant Kumar explained how users to search, browse, discover and share resources beyond OPAC. He said that libraries must adapt to new way of obtaining information and focus not on teaching users how to search and locate library materials, but instead give them the tools to discover on their own.

Madhu Dogra explained the online courses on MOOC'S and many new services.

ICDL 2019 SESSION 8

OPEN DATA AND OPEN INNOVATION

Chair: Sanjay Kataria, University Librarian, Bennett University, UP

Co-Chair: Archana Shukla, Assistant Professor, Department of Library and Information Science, IGNOU

Invited Talk: Katarzyna Biernacka, HEADT Centre, Berlin School of Library and Information Science

Katarzyna Biernacka talked about public perception of open data in practice and the barriers to accessing open data. Usha Mujoo Munshi observed that open science represents a new approach to the scientific process based on cooperative work and a new way of diffusing knowledge by using digital technologies and new collaborative tools. Sabiha Sultana asserted that



the proliferation of internet has led to the adoption of open source software. She talked about open access resources in Bangladesh and how they can benefit the society. Rajeev Vij presented a case study of institutional repositories in DRDO. They are accessible through Internet and meant for long-term preservation and curation of content and services for sustaining in digital era.

ICDL 2019 AWARD

RESULT OF BEST PAPER AWARD

First Prize

Satyabrata Acharya, Debarshi Kumar Sanyal, Jayeeta Mazumdar, and Partha Pratim Das

Archiving endangered Munda languages in a digital library

Second Prize

Faizul Nisha and Sudhanshu Bhushan

A systematic review of literature on massive open online courses (MOOCs)

Third Prize

Manika Lamba

Text analysis of ETDs in ProQuest Dissertations and Theses (PQDT)



ICDL 2019 SESSION 10

WORKSHOP ON KNOWLEDGE AND INNOVATION MANAGEMENT

Moderator: Jagdish Mutharia, Fellow and Director (IT), TERI

Speakers: N J P Silohu Rao, General Manager, NeGD; Arnab Mukherjee, Knowledge Manager, SATTVA; Ritu Grover, Director, Knowledge Management, Khaitan and Co; Kavi Mahesh, Director, IIIT Dharwad, Karnataka; Mohit Bahri, Senior Manager, Samagra



Jagdish Mutharia started the session on knowledge and innovation management and observed that we should innovate for survival, adopt best practices for innovation and knowledge management. He also covered the key features and benefits of TERI knowledge management system. NJP Shilohu Rao covered the Digital India Initiatives which are transforming India into a knowledge economy. He spoke on Government of India's efforts under digital India and key organizational challenges. Arnab Mukherjee introduced SATTVA and said knowledge management drives competitive advantage. Ritu Grover presented her talk on knowledge management and innovation. She explained how KM aids innovation. Mohit Bahri spoke about Samagra, a management consulting firm helping the government. He also talked about a programme titled Samarath which is currently running in schools of Himachal Pradesh.

ICDL 2019 SESSION 11

ENHANCING RESEARCH INTELLIGENCE BY USING AI

Chair: Sangeeta Mehta, Director South Asia for Research Reference, Elsevier

Keynote Address: Sarah Huggett, Head, Analytical Services (APAC), Elsevier Publishing, Singapore

Speakers: Vrunda Bansode, Head, India Data Insights Sattva Consulting; Martand Shardul, Fellow, Social Transformation, TERI; Deborshi Brahmachari, Associate Fellow, Social Transformation, TERI



Sarah Huggett's presentation focused on scholarly data on Artificial Intelligence (2009–2018) from Scopus. India is the third-most prolific country in AI research, just behind China and USA, she said. Indian AI research is slowly rising in terms of citation impact, she said, and also listed out the names of leading institutes from India participating in AI research.

Emphasizing on data usage, Vrunda Bansode explained how data is scattered in the Indian social sector and it's a challenge to collect and analyse this data. She talked about how India Data Insight website is increasing the usability of data through data

visualization. Martand Shardul spoke on how TERI leveraged data in Energy Access. He mentioned TERI's Lighting a Billion Lives programme, which is a global initiative to facilitate clean energy access. Speaking on 'Modern energy and gender relations in Nepal, India and Kenya', Deborshi Brahmachari presented a case study and discussed how electricity has a gender connotation. "We need policies, regulations, process, supply, and opportunities for balancing gender equality," he said.

ICDL 2019 SESSION 12

ROLE OF BIG DATA IN CURRENT BIOINFORMATICS RESEARCH

Chair: T Madhan Mohan, Advisor-Consultant, NER-BPMC/ DBT and Former Senior Advisor and Scientist 'H', Department of Biotechnology

Panel Speakers: Dinesh Gupta, Group Leader, International Centre for Genetic Engineering and Biotechnology; Dhruva K Bhattacharyya, Professor, Computer Science and Engineering, Tezpur University, Assam; A K Mishra, Senior Scientist, Indian Agricultural Research Institute; Devendra Biswal, Senior Information officer and Coordinator, Bioinformatics Centre, North Eastern Hill University



Dr T Madhan Mohan began with defining bioinformatics, how it has become highly important to interpret and analyse biological data. He also introduced integrative and synthetic biology, where big data analytics play a vital role. Bioinformatics involves examining large amount of data, such as genomics data. The first panellist Dr Dinesh Gupta spoke on big data analysis in biotechnology: application of machine learning and challenges towards clinical applications, where he shared his experience from his project at ICGB. He also showed typical machine learning workflow and discussed the artificial intelligence-based tools and algorithms developed by his group. Dr Dhruva K Bhattacharyya spoke on big data analytics in bioinformatics: a machine learning perspective, where he introduced the architecture of big data analysis, architecture for graphs with global shared memory, supervised and unsupervised learning, and active learning framework. Dr AK Mishra spoke on big data and cloud computing in agri-bioinformatics. He introduced four types of clouds, namely, Private, Community, Hybrid, and Public. He stated that cloud computing in the next big thing in big data analytics, where the scalability of data, and analytical efficiency increased many folds.

Dr Devendra Biswal spoke on biodiversity time bomb: is big data the saviour. He also talked about his ongoing project—the Northeast India Biobank of Codes Network (NIBCoNet).

ICDL 2019 SESSION 13

INNOVATION IN DIGITAL PUBLISHING AND MARKETING

Chair: B P Prakash, Director, Information Resource Centre, Ashoka University

Panelists:

Dinesh Gupta, Professor & Director Research, Vardhaman Mahaveer University, Kota, Rajasthan

Subhashis Ganguli, Former Vice President (Production and Content Management), Penguin-Pearson Group, India

Shabbir Ahmad, Senior Digital Marketing Programme Leader, Digital Vidya

Contributed Papers:

Alka Bansal, Sumati Sharma, Rajiv Vij and Alka Suri

Dipti Arora



the budget apportioned via the system. She highlighted the utility of software and the scope for its improvement. Dinesh K Gupta highlighted the 4M's (man, money, machine, and material), the essential components of any business that are relevant in digital world. Subhashis Ganguli discussed digital publishing and its universal access. He mentioned the advantages of digital publishing and its convenience to end users. Ravi Soni emphasized that simplifying the customer experience is essential to drive higher engagement. Dipti Arora delivered a talk on digital marketing and scientific publications in DESIDOC.

Alka Bansal spoke about the development of automated human resource management systems in DESIDOC, the related programmes, the performance appraisal of employees, and

ICDL 2019 SESSION 14

KNOWLEDGE MANAGEMENT APPLICATIONS IN LIBRARIES

Chair: P K Bhattacharya, Associate Director, TERI

Invited Talk: Kalyan Bhattacharjee, Joint Registrar, IIT Delhi

Starting the session, P K Bhattacharya spoke about knowledge resource centres undergoing transformational change. He discussed how government offices, ministries and academic institutions are developing knowledge management. He said the 3 pillars of knowledge management are: people, process and technology. Kalyan Bhattacharjee focused on interval training and knowledge creations and best practices available. He elaborated on knowledge can be translated into socio-economic opportunities and how startups can use this.



ICDL 2019 SESSION 15

WORKSHOP ON SOCIAL MEDIA ANALYTICS

Chair: Prasad Sanyal, Chief Content Officer, Hindustan Times

Speakers:

Stevanus Wisnu Wijaya, Chairperson, Software Engg, University of Prasetya Mulya, Indonesia

Jatin Modi, CEO, Frog Ideas

Purva Grover, Researcher, School of Management, Indian Institute of Technology, Delhi

Shilpi Jha, Associate Professor, Bennett University



during a students' protest in Indonesia to argue his case. He gave a brief overview of social media platforms, research sites, and talked about data analysis on Twitter. Purva Grover threw light on how social media platforms like Facebook, Twitter and LinkedIn are being used by the corporate sector to influence people for different contexts. While Shilpi Jha elaborated on the merits and demerits of social media, Jatin Modi expressed his views on consumer behaviour and how consumers are becoming more brand conscious.

Stevanus Wisnu Wijaya highlighted how social media is affecting our daily lives. He cited an example of a Twitter conversation

ICDL 2019 LUCKY DRAW



Vishakha, Research Scholar, Bharathiar University



Monika Mukh, Librarian, Manav Rachna International School, Mohali



Meenakshi Bhatia, Jr Librarian, Central Council for Research in Homeopathy



Navin Kumar Soni, Scientist-"D", INMASS, DRDO Delhi

ICDL 2019 PLENARY SESSION

EDUCATION 4.0 – FUTURE READY WORKFORCE

Chair: Shantanu Ganguly, Fellow TERI

Speakers:

Johnny Yuen, Hong Kong Polytechnic University; **B N Sarkar**, CMD, National Research Development Corporation; **Uma Kanjilal**, Director, Centre for Online Education (COE) & Professor, Faculty of Library & Information Science, IGNOU; **Pawan Kumar Sharma**, Head, Digital Learning, EDCL



Johnny Yuen spoke about the the Past, Present, and the Future of Information literacy in the context of the 4th Industrial Revolution. He mentioned the 6 frames of information learning. He concluded with a quote "You mustn't be afraid to dream a Little bigger". B N Sarkar talked about the industrial revolution from 1.0 to 4.0. He also mentioned about Industry 4.0 design principles including interconnections, information transparency, technical assistance, and decentralized decisions. Uma Kanjilal highlighted the digital learning for development and Education 5.0. She felt the need for understanding the emerging trends in digital learning, and discussed 5 key trends which have emerged across the global higher education sector. Pawan Kumar discussed the key technology driving Education 4.0 and the growing industries. He also elaborated some points on NEP 2019. He predicted that education sector will be big industry by 2030. In future such people will be survive who will be flexible, creative, and change adaptive.

ICDL 2019 VALEDICTORY SESSION

INFORMATION RETRIEVAL IN THE DIGITAL AGE: THE BURGEONING ISSUE OF 'DIGITAL CONTENT MIGRATION'

Welcome Address: Ajay Mathur, Director General, TERI

Presentation of ICDL 2019 Recommendations: Shantanu Ganguly, Fellow, TERI & Committee Convener

Announcing Best Paper Award: Michael Seadle, Committee Chair

Announcing Best Poster Award: : Kalpana Dasgupta, Committee Chair

Special Address: Hal Kirkwood, Bodleian Business Librarian, Said Business School, University of Oxford. President, Special Library Association (SLA)

Special Address: Alka Suri, Scientist 'G', DRDO

Valedictory Address: Shashi Shekhar Vempati, CEO, Prasar Bharati

Vote of Thanks: P K Bhattacharya, Fellow & Associate Director, TERI



While addressing the valedictory session, Ajay Mathur said ICDL 2019 is quite effective in creating a collaboration platform between creators and users of digital content. He suggested that digitization needs to be leveraged in knowledge management to enable sustainable development. Shantanu Ganguly presented ICDL 2019 recommendations highlighting major thrust areas as digital transformation and community. In ICDL 2019 recommendations were proposed in the areas focussing on access to digital content, digital literacy programme, knowledge organization tools, collaboration for content creation, people-centric knowledge and information, information and knowledge centres on different sectors, open source technology, capacity building programmes, research data management, data librarian, social media oriented literacy, data security and privacy, AI and machine learning, library advocacy.

Kalpana Dasgupta announced the name of best poster awards as -

- 1 Priyanka Bose for Digital rights management and how it is solution to libraries
 - 2 Monika Mukh for Information E-resources for Generation Alpha: MRIS library as an Information Resource Centre
 - 3 Anuradha Maurya for Digital avatar: is E-publishing future of publishing
- Michael Seadle announced the name of best paper awards winners as -

- 1 Satyabrata Acharya, Debarshi Kumar Sanyal, Jayeeta Mazumdar, and Partha Pratim Das for Archiving endangered Munda languages in a digital library
- 2 Faizul Nisha and Sudhanshu Bhushan for A systematic review of literature on massive open online courses (MOOCs)
- 3 Manika Lamba for Text analysis of ETDs in ProQuest Dissertations and Theses (PQDT)

Hal Kirkwood defined the entire experience as incredible. He emphasized on digital support system creation to ensure information access to all upto the grassroots level. In this context, he mentioned about the importance of social libraries. Alka Suri shared objectives and success stories of DRDO. Sashi Sekhar Vempati mentioned how public broadcasting system like Prasar Bharati also act like digital libraries and impact social transformation. He defined AIR as an archive of living memories of our history. He opined that public broadcasting mandates perfectly overlaps with SDGs. Thus, Prasar Bharati is open to appropriate collaboration for knowledge creation and sharing related to SDGs. P K Bhattacharya, Associate Director, TERI thanked the large number of institutions, organizations, and individuals for their support in the run-up to the ICDL 2019.

IN CONVERSATION



ANN SONEYENBOS

PROJECT MUSE, BALTIMORE, USA

? What are the new developments in Project MUSE?

We have been trying to provide cutting edge technology but small publishers are unable to supply the suitable format to us. Therefore, we have been facing inhibits in implementation of latest tools and technologies. We are committed to do so in spite of hindrances.

? What are your recommendations to Librarians?

We are super non-profit organization which gives voice to small publishers. Project MUSE is an aggregator of e-books in humanities and social sciences. Indian market is growing and presently, we have 150 clients in India. We need more support in coming years to grow more.



ELISABETH LEONARD

SCIENCE, AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, WASHINGTON, DC, USA

How do you feel at ICDL2019?

? Libraries, research, and global citizenship together at one platform make it a special moment.

? How you foresee the future if print publication of science in social media environment?

We have number of subscribers who have not give-up to print yet. Role of print publication shall be there in market.



NJP SHILOHU RAO

GENERAL MANAGER-CAPACITY BUILDING NATIONAL E-GOVERNANCE DIVISION (NEGD) GOI

? What are the new initiatives being taken by NeGD?

NeGD has started several new projects recently. Capacity building through e-learning is major one in which we are educating the people about digital services. NeGD has been building the capacity of police in cybercrime because police also need the help of technology to solve crimes.



DR DILARA BEGUM

EAST WEST UNIVERSITY, DHAKA, BANGLADESH

? What do you think about LIS profession in India vis-a-vis Bangladesh?

India has several library associations to raise the issues of different types of libraries. However, this is not the scenario in Bangladesh. We have only one library association. Hence, Indian LIS professionals have the edge.