Ms Geeta Malhotra elaborated READ India’s efforts to build community space and libraries. She spoke about the role of information in terms of whom, how, when, where, and why. Ms Amarjeet Kaur detailed how the library services in Singapore are classified according to the age criterion and the role of library services in bridging the digital divide, green libraries for children, and access to equal education. Mr Yashvir Singh mentioned about automation and information dissemination as the two parts of IT and informed that Government of India is developing the IT sector through programmes, policies, and schemes. TERI is one such Centre. Dr R K Sharma said that open data and knowledge is important for information dissemination. Ms Donna Scheeder spoke about the role and implementation of libraries for SDGs.

Delivering the Welcome Address, Mr Chawla congratulated everyone on the success of ICDL 2016. Dr Mathur talked about digital initiatives and role of library. He also emphasized on need to create system for accessible knowledge through digitization. Mr Sengupta expressed his happiness to be a part of this conference as well as the organizing division. He emphasized that this conference will contribute to the ‘Digital India’ slogan.

Prof. Chowdhury presented his remarks on ICDL. Dr Kumar emphasized on the role of library in local language translation and content development in local languages. He said that libraries can be key players for ‘Digital India’ initiative.

The Conference concluded with the vote of thanks by Dr Ganguly thanking everyone for their participation and support.
DIGITAL RIGHTS MANAGEMENT AND RESEARCH INTEGRITY

Chair: Dr P K Bhattacharyya, Fellow & Area Convener, Knowledge Management Division, TERI
Co-Chair: Dr S S Dhaka, Director, Library and Information Centre, Ministry of External Affairs
Speakers: Prof. Michael Seadle, Humboldt University of Berlin, Germany; Dr Somen Chakraborty, Director, SDP; Dr Tarig Ashraf, Deputy Librarian & Head, South Delhi Campus Library, Delhi University

E-LEARNING PLATFORM AND OPEN EDUCATIONAL RESOURCES

Chair: Prof. Gobinda Chowdhury, Head, Information Science, Department of Mathematics & Information Sciences, Northumbria University, UK
Co-Chair: Dr Moortimatee Samantaray, Deputy Librarian and Head Library and Documentation Division, NCERT, New Delhi
Speaker: Dr Shahid Rasool, Director, Commonwealth Educational Media Centre for Asia (CEMCA), India

ENTERPRISE ARCHITECTURE 2.0

Chair: Dr C S Arora, NABET/OQC Assessor & Visiting Professor; Former Senior Consultant, MHRD/ NMEICT & Director (EDP), MHA/ORG
Co-Chair: Dr R N Malviya, Library Consultant, New Delhi
Speaker: Prof. Alejandro Bia, Associate Prof, Miguel Hernandez University, Spain

INTEGRATION OF DATA WAREHOUSING & MINING

Chair: Dr M Madhusudhan, Associate Professor, DU
Co-Chair: Dr S Venkadesan, Director, LRC, Indian School of Business, Hyderabad
Speakers: Prof. Anna Janikova, Associate Prof, Institute of Computer Science, Faculty of Philosophy and Science in Opava, Silesian University in Opava, Czech Republic; Mr John Akeroyd, Senior Consultant, CIBER Research, Honorary Fellow, University College London

TECHNICAL SESSION 5A–5B–5C–5D

SPECIAL SESSION 6B

STEPPING TO SMART FUTURE: APPLICATION OF INTERNET OF THINGS (IOT) FOR SDGs

Chair: Dr Neena Pahuja, DG, ERNET India
Speakers: Mr M K Chaudhary, Executive Director-CIO, ONGC, New Delhi; Dr Shivkumar Kalyanaraman, Program Director, Special Initiatives, Senior Manager, Cognitive Industry Solutions, IBM Research, India
Panelists: Mr Arijit Mukherjee, Senior Scientist, Embedded Systems & Robotics Research, Tata Consultancy Services, India; Ms Sudakshina Ghosh, IOT Specialist, SAP India

H-index, etc. While discussing e-learning platforms and open educational resources, Prof. Chowdhury presented his views on usefulness of these sources for all the students, including the research fellows. Dr Rasool spoke on online education initiatives done by CEMCA. He discussed knowledge per-capita, massive open online courses, global learning community, etc.

Prof. Bia showed the result of the TRACE project from the point of the view of the DHW Research Group at the Miguel Hernandez University. The project has served to integrate and evolve several tools created to make working with XML, TEI, and TMX faster and easier.

Dr M Madhusudhan gave a brief introduction on data warehousing and data mining. Prof. Janikova spoke about use data mining for library management and user service. She also gave some input on how to get OPAC effective.

In the session, Dr Pahuja highlighted how the concept of IoTs has become a part of every citizen’s life and provided details of various government/corporate projects. Dr Kalyanaraman emphasized on visualization (share) of IoTs to increase productivity in the energy sector by citing the example of URJAR innovation project repackaging system and e-waste management system. Mr Das highlighted the ICT infrastructure of ONGC systems and the various related applications of IoTs and their use in day-to-day industrial operations. Mr Mukherjee spoke about IoT applications in everyday life and how these have become ‘internet of every-things’ across the globe. Ms Ghosh elaborated IoT drivers and how these connect and monitor the environment (unlike smart city, digital farming, and Digi System); and produce end-to-end close loop monitoring system.
In this session, Dr Sharma described the Indian Public Libraries Movement (IPLM) and its reach across along with the current challenges. Dr Sinha spoke about the NITI Aayog and the Right of Persons with Disabilities Bill, 2014, as well as the infrastructure of public libraries in India. Mr Shadrach defined decentralization, idea of similarization, and interconnection, as the three features of IPLM. Ms Scheeder spoke about how libraries and librarians can change life. She explained about barriers regarding Infrastructure, gender gap, affordability, and awareness. She also spoke about general trends in public libraries’ transformation and tools & techniques for libraries.

Countries with advanced levels of digitization have realized significant economic, social, and political benefits. Prof. Dhar emphasized the same saying that digitization is pathway to economic growth. Mr Sengupta stated that there will always be effects of digitization on economy. He also said that it will either provide ‘demographic dividend’ or have ‘demographic disaster’. Mr Karnik said, “It is time we head from highways to i-ways.” Dr Kathuria listed some of the side-effects of digitization, such as job risk, regulatory risk, cyber risk, etc.

In the Panel Discussion, all panelists insisted upon role of corporates in training towards capacity building initiatives for e-governance. They also emphasized on introduction of ERP system in any media of work.
IN CONVERSATION

MR DANISH CONTRACTOR
IBM INDIA PVT LTD

Your thoughts on the analytics learning content in management libraries?
Analytics for learning content management is growing and has a far deeper impact in the education sector. It helps us to deliver the right information at right time to right user. The indexing mechanism using analytics semantics is much more powerful than ever before.

What are your views on text mining and allied technologies?
The technology is superb in identifying relevant content. Text mining is not just clustering of contents, although it provides more meaningful results to users.

MR TOM DERRICK
THE BRITISH LIBRARY, UK

What you suggest about the reuse of cultural heritage datasets?
We must make datasets reusable while converting the cultural heritage resources in digital format as these gives the users freedom to interact with cultural heritage resources. At the British Council we have made the dataset reusable under the creative common license to make these resources interactive.

Which technique have you been following to conserve print documents?
We ensure the print resources are being handled carefully. We also keep these in humidity-controlled environment. In addition, numbers of conservation techniques have been used to preserve these resources.

MS AMARJEET KAUR GILL
SINGAPORE

What is the scenario of library science education in Singapore?
Singapore offers part-time masters degree courses in library science. Meritorious students could be sponsored for performing well but for further studies or research, they have to go overseas.

How should India move ahead in this direction?
The first stepping stone is capacity building. Therefore, skills enhancement programmes should be conducted.

EXHIBITION

The workshops on Day 4 discussed the relationships between social media and knowledge. Dr Shantanu Ganguly talked about digital marketing by using social media and said that it is the best communication model for smart future. Mr Sameep Mehta talked about social mining and social data. Mr Jitendra Wase discussed how small bytes or texts are being used to capture knowledge through social media. Ms Meeta Sengupta explained that the world of linear presentations is gone and now we are into multilayer social PPTs. Mr Danish Contractor talked about content management and education that has now become personalized through digitized resources. Mr Vivek Singh discussed the importance of social networks and how social network can be used by organizations.

Mr Sheshadri Chatterjee described service of CRM strategy (CRMS), change management process, user experience of CRMS, etc. Mr Prateek Shah discussed digital marking vis-à-vis content, cost, image processing, and so on. Mr Vinkal Chaddha talked about knowledge management industry and importance of KPMG.

MR VINEET SINGH
OXFORD ONLINE JOURNALS

“We have received an overwhelming response. I am a regular participant at ICDL. Massive attendance of foreigners and Indian delegates is its USP which is increasing year to year.”