

## Continuing professional education on digital library in India: a study

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The paper examines development of continuing professional education on digital library in India based on the announcement of postings on LIS-Forum related to seminars, conferences, workshops and short-term training programs on digital libraries held in India during April 2003 to October 2015. The paper finds that 73 continuing professional development programs were held on digital library in India during the period. Due to the increasing amount of information available in digital format, education and training for digital libraries has become necessary. There is a need to hold more continuing professional development opportunities on digital libraries in India.

**Keywords:** Digital libraries; Continuing professional education; Education and training; LIS-Forum; Seminar; Workshops; Conferences; Short-term training courses; Professional development opportunities

### Introduction

Education and training is essential for updating our knowledge and has come to be recognized as a lifelong process. Continuing professional education is very essential to shape and update professional skills and competencies. Digital library is an important area of education and research for library and information science professionals. That traditional print based libraries are making way for digital libraries is now apparent and it is matter of time that digital libraries would become the predominant source of information. However, the transitioning from print to digital libraries has been mired in myriad issues including technological, sociological, ethical, managerial and so on. Many of the issues have been addressed at different levels in various parts of the world. Improving competencies and digital library skills of LIS professionals through continuing training programs is an important area.

Although the tools and technologies with regard to the creation of digital libraries have matured, the progression towards digital libraries have not been as rapid as it should have been in India. The rather slow growth of digital libraries in India could be owing to many reasons including inadequate human resources.

There have been some initiatives for training library and information professionals in digital library technologies and tools. These include short term training courses, seminars, workshops and conferences. This paper attempts to take a holistic look at the continuing education programs on digital libraries for LIS professionals. This study is based on the announcements related to continuing professional education on digital libraries made on the Indian LIS listserv called LIS Forum.

### Review of literature

Many studies have been undertaken on the continuing professional education on digital libraries worldwide. Bawden et al.<sup>1</sup> analyzed the digital library education programs of continuing and formal education in Slovenia and in the U.K. They found that both continuing and formal education is essential and that continuing education and training helps in enhancing professional skills and competencies of the digital librarians. Spink and Cool<sup>2</sup> presented findings from a research on education for digital libraries. They reported that there were a few schools that offered courses in digital libraries. Agaja<sup>3</sup> highlighted the necessity and opportunities for professional

continuing training and education for library professionals of Nigerian universities through refresher courses, seminars, workshops, conferences, on-the-job training or in-service trainings.

Robinson and Glosiene<sup>4</sup> focused on the importance of CPD (continuing professional development) programs in library and information science. They described the activities and role of TCN (Training Centre Network) that support in CPD activities of Central Asia and Central and Eastern Europe in library and information science. Shepherd<sup>5</sup> discussed the need for ongoing professional development programs for librarians in academic libraries in Rhodes University, South Africa. The article described the implementation, planning, evaluation and the design of a staff-development and training program for professional librarians. Chiware<sup>6</sup> analyzed existing literature on digital library education and training and attempted to outline the training requirements for sustainable implementation of digital projects. Ma, Clegg and Brien<sup>7</sup> highlighted that education on digital library is still in its early years and an adoptable model for best training in digital libraries is yet to emerge.

Lin and Wang<sup>8</sup> discussed that online fora are playing a vital role in experience sharing between educator, practitioners, policy makers and the researchers. They analysed the major workshops and conferences on digital libraries that were organized in the Asian region.

Mahesh et al.<sup>9</sup> focused on importance of short-term training programs on LIS in India. They highlighted that short term courses are a necessary component in the education system and these programs fulfilled the continuing education needs of the society. Mittal and Mahesh<sup>10</sup> stated that centers with expertise on institutional repositories and digital libraries in India have evolved with continuing training programs that were developing expertise and human resource in their area.

Pujar et al.<sup>11</sup> analyzed in their study, the topics of the discussion, number of posting messages and their contributors on LIS-Forum email discussion list for the period 2006 to 2011. It was seen that LIS-Forum has been serving as a platform for the LIS professionals and students in India in creating a virtual network of its members.

Baro et al.<sup>12</sup> focused on the importance of short duration training program such as workshops, seminars etc. and stated that these are indispensable for the enhancement of professionals skills and competencies in the digital environment.

Massis<sup>13</sup> highlighted the basic skills necessary for today's librarian to be successful in a library environment. It can be seen from the foregoing, there are a number of studies on digital libraries but a few of them focus on developing human resources for digital libraries.

### Objectives of the study

- To examine postings on LIS-Forum related to development of continuing professional education on digital library in India;
- To ascertain number and types of professional development opportunities in the area of digital library; and
- To analyze major areas of professional development on digital libraries in India.

### Methodology

LIS-Forum is an e-mail based discussion forum for library and information professionals in India. Discussion posts of LIS community from all over the country are available in its archive<sup>14</sup>. The LIS-Forum started operations in 1994 using the ListProc software. In 2001, it was moved to the Mailman software, which archives all the messages that are approved for circulation<sup>11</sup>. The archived messages are available and accessible from April 2003 onwards in text and compressed Formats. The data for the study were gathered from the online archive of LIS-Forum (<http://ncsi.iisc.ernet.in/pipermail/lis-forum/search.html>). Messages posted to the mailing list during the twelve and half year period (April 2003 – October 2015) have been studied. Seventy three posts were shortlisted from all 19171 posts of 151 monthly issues which were related to seminar, workshops, conferences, short-term training programs or any issue related to continuing education on digital libraries or digital repositories. Repeat or duplicate posts were not accounted for. The contents of each message was studied and the observations on each post were recorded in MS Excel.

## Results and discussions

Complete details about the digital library programs that include the type of program, date, year, duration, host institution and place extracted from the 73 messages are given in Annexure I.

### Year-wise distribution

Table 1 shows that in the year 2008, the maximum numbers of 12 programs were communicated on the LIS-Forum. Otherwise, it ranged from a three to eight digital library continuing education and training programs for the other years.

### Duration of LIS Continuing Professional Education (CPE) programs

Table 2 shows that the continuing education programs varied from 1 to 10 days. There was only one 10 days program and about 70% of the programs were of 1 to 3 days of duration. It is seen that most of programs were of two days (19), three days (19) and one day (12).

### Major areas of professional development on digital libraries

Major objectives or areas of training programs that are building digital libraries, GSDL, DSpace, digital libraries and web technologies : challenges and opportunities, design and, development of digital libraries, digital library initiatives, digitization of resources, open access repositories, digitization and networking, digital preservation, advanced GSDL and RFID, digital libraries and e-learning, TQM in digital libraries, interfaces of digital library, building of institutional archives , creation and management of digital collection, digital objects and metadata: preservation, harvesting and migration etc.

### Types of CPE programs on digital libraries

Table 3 gives the type of continuing professional education programs on digital library in India during the period of 2003 to 2015. Most of them were workshops (47). Although conferences (12) and seminars (8) and short-term training programs (6) were also held on digital libraries.

### State-wise distribution

Table 4 represents state-wise distribution of continuing professional education program on digital libraries in India during the period of 2003 to 2015. The maximum numbers of 16 programs were held in Karnataka state. Findings of previous study showed

Table 1—Year-wise distribution

Sl. no.	Year	No. of program
1	2003	3
2	2004	4
3	2005	3
4	2006	8
5	2007	8
6	2008	12
7	2009	4
8	2010	6
9	2011	7
10	2012	3
11	2013	4
12	2014	5
13	2015	6
Total		73

Table 2—Duration of digital library CPE programs

Days	No. of programs
1 Day	12
2 Days	19
3 Days	19
4 Days	9
5 Days	9
6 Days	4
10 Days	1
Total	73

Table 3—Types of digital library CPE programs

Type of program	No. of program
Conference	12
Seminar	8
Short Term Training Program	6
Workshop	47
Total	73

that Karnataka is having highest number of ETD repositories in India.<sup>15</sup> In Andhra Pradesh, Assam, Mizoram, Sikkim and Rajasthan, only one program in each state was held during this period.

## Conclusion

Education and training is very important for the professional growth of LIS professionals in modern digital information & technological environment. Many continuing professional development programs are being organized in India such as seminars, workshops, short-term training programs, conference etc. for professional development of LIS professionals. LIS Forum is playing a vital role in

Table 4—State-wise distribution

Sl. no.	Name of State	No. of Programs
1	Karnataka	16
2	Delhi	14
3	Kerala	12
4	Tamil Nadu	9
5	West Bengal	5
6	Maharashtra	3
7	Utter Pradesh	3
8	Gujarat	2
9	Jammu & Kashmir	2
10	Telangana	2
11	Andhra Pradesh	1
12	Assam	1
13	Mizoram	1
14	Rajasthan	1
15	Sikkim	1
	Total	73

announcing these and thereby spreading the word for the benefit of LIS professionals. It is seen that only 73 digital library training programs were announced on LIS forum. Assuming that all these 73 programs were held, it can be concluded that the number of HR programs on digital libraries are very low. This conclusion is based on the slow pace of growth of digital libraries in the country as reported in other studies. It is also likely that more training programs were conducted but were not necessarily announced on LIS-Forum.

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LIS Continuing professional education (CPE) programs on digital libraries in India (During April 2003 – October 2015)

Sl. no.	Name of Program	Type	Date	Year	Duration	Host Institution	Place	State
1	Awareness program on Greenstone Digital Library Software (GSDL)	Short Term Training Program	26-Apr	2003	1 Day	NCSI-NET Alumni Association, Bangalore, Karnataka	National Centre for Science Information (NCSI), Indian Institute of Science, Bangalore, Karnataka	Karnataka
2	Workshop on Developing Digital Libraries using Greenstone Digital Library Software (GSDL)	Workshop	2-6 May	2003	5 Days	NCSI - National Centre for Science Information, Indian Institute of Science, Bangalore, Karnataka	NCSI, Indian Institute of Science, Bangalore, Karnataka	Karnataka
3	Workshop on Building Digital Libraries using Greenstone Digital Library Software	Workshop	30 Nov. - 1 Dec.	2003	2 Days	Bioinformatics Centre, University of Pune, Maharashtra	Bioinformatics Centre, University of Pune, Maharashtra	Maharashtra
4	Digital Libraries Program	Short Term Training Program	19-21 Jan.	2004	3 Days	IIM Kozhikode, Kerala	IIM Kozhikode, Kerala	Kerala
5	4th ASSIST National Seminar on "Digital Resources and Services in Libraries"	Seminar	12-13 April	2004	2 Days	Kuvempu University, Shimoga, Karnataka	Kuvempu University, Shimoga, Karnataka	Karnataka
6	Seminar on Digital Libraries	Seminar	8-Mar	2004	1 Day	DRTC, Bangalore, Indian Statistical Institute & Max Mueller Bhavan (Goethe Institute), Bangalore	DRTC, ISI, 8th Mile, Mysore Road Bangalore	Karnataka
7	Workshop on developing a digital library using dspace	Workshop	28 June - 3 July	2004	6 Days	Dept of Library & Information Science, Osmania University in collaboration with INFLIBNET	Dept. of Library & Information Science, Osmania University Main Rd, Hyderabad, Telangana	Telangana
8	National Workshop on Developing Digital Library using Dspace	Workshop	9-13 May	2005	5 Days	University Library Mahatma Gandhi University Kottayam, Kerala in collaboration with INFLIBNET Centre (UGC), Ahmedabad	Mahatma Gandhi University Library, Priyadarshini, Kottayam, Kerala	Kerala
9	National workshop on Building Digital Library	Workshop	17-18 Jun	2005	2 Days	Learning resource Centre, Jaypee Institute of Information, Noida, U.P.	Jaypee institute of Information Technology (Deemed university), Noida, U.P.	Uttar Pradesh
10	Digital Libraries Program	Short Term Training Program	14-16 July	2005	3 Days	IIM Kozhikode, Kerala	IIM Kozhikode, Kerala	Kerala

Sl. no.	Name of Program	Type	Date	Year	Duration	Host Institution	Place	State
11	Workshop on Digital Libraries	Workshop	6-8 April	2006	3 Days	Mylisa (Mysore Librarians and Information Scientists Association) in collaboration with SDM-IMD (SDM Institute for Management Development, Mysore, Karnataka Department of Library and Information Science, Andhra University, Visakhapatnam, Andhra Pradesh	SDM-IMD campus, Mysore, Karnataka	Karnataka
12	Workshop on Design and Development of Digital Libraries	Workshop	9-13 Oct.	2006	5 Days		Department of Library and Information Science, Andhra University, Visakhapatnam, Andhra Pradesh	Andhra Pradesh
13	Isim-NIFT Training Workshop on Digital Libraries	Workshop	31 July - 5 Aug.	2006	6 Days	The International School of Information Management (isim), University of Mysore, Mysore	The International School of Information Management (isim), University of Mysore, Mysore	Karnataka
14	Workshop on Open Source Movement and the Use of Dspace Software	Workshop	28 Nov. - 1 Dec.	2006	3 Days	Indian Association of Special Libraries & Information Centres (IASLIC), Kolkata	National Institute for the Orthopaedically Handicapped (NIOH), Bonhooghly, Kolkata	West Bengal
15	Workshop on Building Digital Libraries using Dspace and GSDL	Workshop	27-28 Oct.	2006	2 Days	Society for the Advancement of Library and Information Science (SALIS Chennai Chapter) & The Central Library of B.S.Abdur Rahman Crescent Engineering College, Chennai	Thiagarajar School of Management, Madurai, Tamil Nadu	Tamil Nadu
16	Workshop on Digital Libraries	Workshop	31 October - 3 Nov.	2006	4 Days	TERI, IHC Complex, Lodhi Road, New Delhi.	TERI, IHC Complex, Lodhi Road, New Delhi.	Delhi
17	ICDL 2006 - International Conference on Digital Libraries	Conference	5-8 Dec.	2006	4 Days	TERI (TIFP, Department of Scientific and Industrial Research, Ministry of Science and Technology, Govt. of India and UNESCO and in cooperation with ACM SIGCHI)	TERI, The India Habitat Centre, New Delhi.	Delhi
18	One-Day Tutorial on Building Digital Library using GSDL and Dspace	Workshop	11 Dec.	2006	1 Day	Central Library & Computer Vision & Pattern Recognition Unit (CVPR) Indian Statistical Institute	Indian Statistical Institute, 203 B.T. Road, Kolkata	West Bengal

Sl. no.	Name of Program	Type	Date	Year	Duration	Host Institution	Place	State
19	Regional Workshop on Greenstone Digital Library Software	Workshop	8-10 Feb.	2007	3 Days	Department of Library Services Christian Medical College Vellore & Madras Library Association, Chennai	CHTC Auditorium, Christian, Medical College, Bagayam, Vellore, Tamilnadu	Tamil Nadu
20	Workshop on Digital Library Initiatives using GSDL & dspace	Workshop	16-17 March	2007	2 Days	Society for the Advancement of Library and Information Science Science (SALIS Chennai Chapter) & The Central Library of B.S.Abdur Rahman Crescent Engineering College, Chennai	The Central Library of B.S.Abdur Rahman Crescent Engineering College, Chennai, Tamil Nadu	Tamil Nadu
21	EMPI Digital Library National Convention 2007 (EMPIDLNC2007)	Conference	18-20 March	2007	3 Days	Knowledge & Learning Resource Centre EMPI Business School CSKM Educational Complex Sabari, Chattarpur New Delhi	India International Centre, 40, Max Mueller Marg, New Delhi	Delhi
22	The Workshop on Digital Libraries	Workshop	10-13 April	2007	4 Days	TERI, IHC Complex, Lodhi Road, New Delhi and DSIR (Department of Scientific and Industrial Research), Government of India	TERI, IHC Complex, Lodhi Road, New Delhi	Delhi
23	Workshop on Digital Libraries	Workshop	1-3 Jun	2007	3 Days	Indian Library Association (ILA) with Collaboration of BIMTECH, Greater Noida	BIMTECH, Greater Noida, U.P.	Utter Pradesh
24	Workshop on "Digitization of Resources using Open Source Software: GSDL"	Workshop	23-25 Sep.	2007	3 Days	IIM-Lucknow Campus in collaboration with NAASDOC, New Delhi	IIM-Lucknow Campus	Utter Pradesh
25	National Workshop on "Open Access Repositories and Greenstone software"	Workshop	6-8 Nov.	2007	3 Days	Department of Library & Information Science, The University of Kashmir.	Department of Library & Information Science, The University of Kashmir, Srinagar, Jammu and Kashmir	Jammu & Kashmir
26	DSIR-NCST Advanced Workshop on Greenstone Digital Library Software (GSDL)	Workshop	26-28 Dec.	2007	3 Days	Department of Scientific and Industrial Research (DSIR) & NCST, IISc, Bangalore	NCST, IISc, Bangalore	Karnataka
27	Workshop on Building Digital Archive using Advanced Features of GSDL	Workshop	8-10 Jan.	2008	3 Days	TERI, New Delhi	India Habitat Centre, New Delhi	Delhi
28	National Workshop on "Building Digital Libraries Using GSDL and Dspace"	Workshop	14-15 March	2008	2 Days	Institute of Health Management Research in association with SALIS-Delhi NCR	Institute of health Management Research, Sangner Airport, Jaipur, Rajasthan.	Rajasthan

Sl. no.	Name of Program	Type	Date	Year	Duration	Host Institution	Place	State
29	National Workshop on "Open Access Repositories and Greenstone software"	Workshop	17-19 March	2008	3 Days	The Department of Library & Information Science, The University of Kashmir, Hazratbal Srinagar	The Department of Library & Information Science, The University of Kashmir, Srinagar, Jammu and Kashmir	Jammu & Kashmir
30	Regional Training & Workshop on Building of Institutional Archives & Digital Libraries	Workshop	24-27 Jun	2008	4 Days	Indian Statistical Institute (ISI) & Sikkim-Manipal Institute of Technology (SMIT), Majitar, Sikkim	SMIT Campus, Majitar, Sikkim	Sikkim
31	International Workshop on UNESCO's WINISIS/genisis For Digital Libraries/Archives	Workshop	6-9 Sept.	2008	4 Days	Mahatma Gandhi University Library, Idukki, Kerala	Marian College, Kuttikkanam, Peermade, Idukki, Kerala	Kerala
32	Workshop on developing digital library using dspace (a program under Tecipp-world bank	Workshop	27-29 Aug.	2008	3 Days	The M.S.Ramaiah Institute of Technology, Library & Information Centre, Bangalore, Karnataka	Hr-Tech Seminar Hall MSRIT, Bangalore, Karnataka	Karnataka
33	Workshop on " Digital Libraries For Academic Institutions using GSDL	Workshop	4 Oct.	2008	1 Day	National Engineering College, Kovilpatti (TN) and SALIS (Tirunelveli chapter)	National Engineering College, Kovilpatti, Tamilnadu	Tamil Nadu
34	National Workshop on "Dspace for Building Institutional Repositories and Digital Libraries"	Workshop	21-25 Oct.	2008	5 Days	Mahatma Gandhi University, Kottayam, Kerala and Federal Institute of Science And Technology (FISAT), Angamaly Kerala	Mahatma Gandhi University, Kottayam, Kerala and Federal Institute of Science And Technology (FISAT), Angamaly Kerala	Kerala
35	International Workshop on Greenstone Digital Library Software	Workshop	8-13 Dec.	2008	6 Days	IIM Kozhikode, Kerala	IIM Kozhikode, Kozhikode, Kerala	Kerala
36	Workshop on Digital Preservation in India	Workshop	7 Nov.	2008	1 Day	FICCI, Federation House, Tansen Marg, New Delhi	FICCI, Federation House, Tansen Marg, New Delhi	Delhi
37	Workshop on Digitization and Digital Library using dspace	Workshop	3-6 Dec.	2008	4 Days	Librarians Cultural Forum in collaboration with Delhi University Library System University of Delhi, Delhi	Central Library Delhi University Library System, Delhi	Delhi
38	National Conference on Digitization and Digital Preservation (NCDDP-2008)	Conference	11-12 Dec.	2008	2 Days	DESIDOC, Delhi	DESIDOC, DRDO Metcalfe House, Delhi	Delhi

Sl. no.	Name of Program	Type	Date	Year	Duration	Host Institution	Place	State
39	National Seminar on "Digitization and Networking of Library and Information Centers in NE India"	Seminar	9-10 Jan.	2009	2 Days	Department of Library and Information Science, Gauhati University, Guwahati (Assam) & Central Reference Library, Department of Culture, GOI, Kolkata	Gauhati University, Jalukbari, Guwahati	Assam
40	National workshop on Digital Libraries and Digital Archiving	Workshop	26-29 Aug.	2009	4 Days	Department of Library and Information Science, University of Kerala	Department of Library and Information Science, University of Kerala	Kerala
41	Workshop on Future Libraries: Advanced GSDL and RFID	Workshop	14-16 Jan.	2009	3 Days	TERI, New Delhi	India Habitat Centre, New Delhi	Delhi
42	NCSI-IDRC Workshop on Library Automation Packages and Digital Library Software	Workshop	27-31 July & 3-7 Aug	2009	10 Days	National Centre for Science Information (NCSI), Indian Institute of Science (IISC), Bangalore, Karnataka	National Centre for Science Information (NCSI), Indian Institute of Science (IISC), Bangalore, Karnataka	Karnataka
43	International Conference on Digital Libraries (ICDL 2010)	Conference	23-26 Feb	2010	4 Days	TERI, New Delhi	TERI, New Delhi	Delhi
44	Five Days National Level Workshop on Library Automation and Building Digital Library Using KOHA and dspace Open Source Software	Workshop	18-22 Feb.	2010	5 Days	MAEER'S Maharashtra Academy of Engineering, Alandi, Pune, Maharashtra	MAEER'S Maharashtra Academy of Engineering, Alandi, Pune, Maharashtra	Maharashtra
45	SALIS Seminar on Emerging Technologies in Digital Libraries and e-Learning	Seminar	13-Mar	2010	1 Day	K.L.N.College of Information Technology, Pottapalayam, Madurai & Society for the Advancement of Library and Information Science (SALIS), Madurai chapter	K.L.N.College of Information Technology, Pottapalayam, Sivagangai, Tamilnadu	Tamil Nadu
46	National conference on next generation digital libraries and Web technologies : challenges and opportunities (SALIS - 2010)	Conference	20-21 Aug.	2010	2 Days	Central Library Sri Krishna College of Engineering and Technology Coimbatore & Society for the Advancement of Library and Information Science	Sri Krishna College of Engineering and Technology, Coimbatore, Tamilnadu	Tamil Nadu
47	National Seminar on "Total Quality Management in Digital Libraries"	Seminar	11 Oct.	2010	1 Day	Thiagarajar School of management (TSM), Madurai & SALIS Madurai Chapter	Thiagarajar school of Management, Center for higher learning, Pamban swamy Nagar, Thirupparankundram, Madurai	Tamil Nadu

Sl. no.	Name of Program	Type	Date	Year	Duration	Host Institution	Place	State
48	Seminar on Different Interfaces of Digital Library: An Exploratory Study	Seminar	12 Nov.	2010	1 Day	Indian Statistical Institute Documentation Research and Training Centre, 8th Mile Mysore Road, Bangalore	DRTC, Bangalore	Karnataka
49	Seminar on Knowledge Representation and Digital Libraries(includes Workshop on advanced DSpace)	Seminar	17-18 Feb	2011	2 Days	Indian Statistical Institute Documentation Research & Training Centre, Bangalore	DRTC, Bangalore	Karnataka
50	The International Conference on Digital Library Management: ICDLM 2011	Conference	11-13 Jan.	2011	3 Days	TERI, New Delhi	Science City, Kolkata, Co-Organiser: Raja Rammohan Roy Library Foundation, Ministry of Culture, Government of India, Kolkata	West Bengal
51	National Workshop on 'Digital Objects and Metadata: Preservation, Harvesting and Migration'. IGDR, Mumbai	Workshop	17-20 Jan.	2011	4 Days	Indira Gandhi Institute of Development Research, Film City Road, Santosh Nagar, Gen Vaidya Marg, Goregaon (East), Mumbai, Maharashtra	Indira Gandhi Institute of Development Research, Film City Road, Santosh Nagar, Gen Vaidya Marg, Goregaon (East), Mumbai, Maharashtra	Maharashtra
52	National Seminar on "Digital Future of Library Materials: Issues and Challenges"	Seminar	17-18 March	2011	2 Days	Department of Library and Information Science, Vidyasagar University, Medinipur, West Bengal	Mumbai, Maharashtra B C Mukherjee Hall, Vidyasagar University Campus, Medinipur, West Bengal	West Bengal
53	International Workshop on Digital Libraries using Greenstone Software	Workshop	12-16 Dec.	2011	5 Days	IIM Kozhikode, Kerala	IIM Kozhikode, Kerala	Kerala
54	International Conference on Digital Libraries and Knowledge Organization (ICDK 2011)	Conference	14-16 Feb.	2011	3 Days	Management Development Institute (MDI) Indian Association of Special Libraries and Information Centres (IASLIC) INDEST-AICTE Consortium, Indian Institute of Technology (IIT), Delhi	MDI Gurgaon (National Capital Region - Delhi)	Delhi
55	Work-Shop On Managing Digital Resources In Academic Libraries	Workshop	19 Feb.	2011	1 Day	Dakshina Kannada And Kodagu Library Association(R) (Dkkla) In Association with T.A. Pai Management Institute, Manipal, Karnataka	T.A. Pai Management Institute, Manipal, Karnataka	Karnataka

Sl. no.	Name of Program	Type	Date	Year	Duration	Host Institution	Place	State
56	National Workshop On Design And Development Of Digital Libraries Using Dspace	Workshop	12-13 April	2012	2 Days	Integrated Academy of Management and Technology (INMANTEC) In Association With Intellectuals Society for Socio Techno Welfare (ISST)And Ranganathan Society for Social Welfare & Library Development	Information Resource centre INMANTEC Institutions, Delhi - Hapur Bypass,NH-24	Delhi
57	National Conference on K-2012: Creating Digital Library in Globalized E-society	Conference	28-Jul	2012	1 Day	Society for information research & studies (SIRS)	Society for Information Research & Studies (SIRS), New Delhi	Delhi
58	International Workshop on Digital Libraries using Greenstone Software	Workshop	20-24 Aug	2012	5 Days	IIM Kozhikode, Kerala	IIM Kozhikode, Kerala	Kerala
59	International Conference on Digital libraries (ICDL, 2013)	Conference	27-29 Nov.	2013	3 Days	TERI, New Delhi	TERI, New Delhi	Delhi
60	National workshop on design and development of digital libraries using Dspace	Workshop	22-23 March	2013	2 Days	Marian College, Kuttikkanam, Kottayam District, Kerala	Marian College, Kuttikkanam, Kottayam District, Kerala	Kerala
61	9th National Conference on the theme "Towards a Semantic Digital Library infrastructure	Conference	18-19 Dec.	2013	2 Days	Indira Gandhi Centre for Atomic Research, Kalpakkam, Tamil Nadu	Indira Gandhi Centre for Atomic Research, Kalpakkam, Tamil Nadu	Tamil Nadu
62	15th International Conference on Asia-Pacific Digital Libraries (ICADL, 2013)	Conference	9-11 Dec.	2013	3 Days	International School of Information Management and University of Mysore	Hotel Le Meridien, Bangalore, Karnataka	Karnataka
63	National workshop on design and development of digital libraries using Dspace	Workshop	9-10 Jan.	2014	2 Days	Marian College, Kuttikkanam, Kottayam District, Kerala	Marian College, Kuttikkanam, Kottayam District, Kerala	Kerala
64	National Workshop on Creation and Management of Digital Collection scheduled at INFLIBNET Centre, Gandhinagar	Workshop	10-14 Feb.	2014	5 Days	The INFLIBNET Centre, Gandhinagar	The INFLIBNET Centre, Gandhinagar	Gujarat
65	AICTE Sponsored Workshop On Developing Green Stone Digital Libraries	Workshop	20-24 Jan.	2014	5 Days	T.A. Pai Management Institute, Manipal	TAPMI premises, Manipal	Karnataka

Sl. no.	Name of Program	Type	Date	Year	Duration	Host Institution	Place	State
66	One Day Workshop on "Digital Library and Journal	Workshop	11-Aug	2014	1 Days	Informaties Publishing Limited, Bangalore	University Library Conference Hall, J N T University Hyderabad, Kukatpally, Hyderabad, Telangana Bangalore, Karnataka	Telangana
67	The National Conference on "Trends in Management of Academic Libraries in Digital Environment (TMALDEN-2014)	Conference	19 -20 Dec.	2014	2 Days	Jain University, Bangalore, Karnataka		Karnataka
68	UGC sponsored One-day National Workshop on DSPACE: An Open Source Software For Digital Library Initiatives	Workshop	10 Jan.	2015	1 Days	Department of Library and Information Science, Bharathidasan, University, Tiruchirapalli , Tamil Nadu	Department of Library and Information Science, Bharathidasan, University, Tiruchirapalli , Tamil Nadu	Tamil Nadu
69	Two Days Advanced National Training in Digital Library Management using DSpace.	Short Term Training Program	24-25 April	2015	2 Days	The Kerala Agricultural University collaboration with the Academic Library Association	The Kerala Agricultural University, Central Library, Thrissur, Kerala	Kerala
70	Two-Day UGC Sponsored National Workshop on "Developing Digital Library using DSpace"	Workshop	6-7 Aug.	2015	2 Days	Sri Venkataramana Swamy College, Bantwal, Mangalore, Karnataka in collaboration with Dakshina Kannada & Kodagu Library Association.	Sri Venkataramana Swamy College, Bantwal, Mangalore, Karnataka	Karnataka
71	One week Short Term Course on "Digital Library and E-Resource Management	Short Term Training Program	17-22 Aug.	2015	1 Week	UGC-HumanResource Development Centre, Mizoram University	Department of Library and Information Science, Mizoram University, Aizawl	Mizoram
72	User Awareness Program on UGC INFONET Digital Library Consortium	Short Term Training Program	24-25 Aug.	2015	2 Days	Visva-Bharati Library Network & INFLIBNET	Central Library, Visva-Bharati Library Network, Santiniketan,, Birbhum, West Bengal	West Bengal
73	National Workshop on Creation of IR using Open Source Software	Workshop	26-28 Aug.	2015	3 Days	INFLIBNET Centre, Infocity, Gandhinagar, Gujarat	INFLIBNET Centre, Infocity, Gandhinagar, Gujarat	Gujarat