

About The Book

The management of the future library and the next-generation library system in the networked and digital environment is emphasised in this book. It's astonishing how library management systems have developed. The impact of the internet and Google's incredible success story significantly impacted the role of libraries. Google continued to be ahead of the libraries because to new internet technology. Even now, this problem still exists. However, given this context, libraries and companies that provide library systems made several efforts to enhance the search capabilities for libraries using the new Google-like discovery tools. The process of designing and creating the features of the following generation of systems began at the same time. Any library that wants to fulfil its duties and meet the needs of its patrons needs to have access to ICT.

Editor-In-Chief



Dr. D. D. Lal is managing and overall in-charge of the Library Services of the National Brain Research Centre (NBRC), since its inception (2000) and is also instrumental in setting up the PAN-India DBT E-Library Consortium in 2009 and carrying it forward since then as DeLCON Coordinator. He obtained Ph.D. Degree in LIS from University of Calcutta and Holds Master of Philosophy (M.Phil.), Master of Library and Information Science (MLISc.) Degree in Library and Information Science. He conceptualized the concept of "Digital Library" at National Brain Research Centre (NBRC), Manesar and having 22+ Years of Professional Library Experience for Managing the Digital Library of NBRC, GOI. He has contributed more than 25+ research articles in different journals and conference proceedings at national and international level. He conceptualized and setup a "Library Association" for Bihar i.e. Library Association of Bihar.

Editors



Ms. Yogita Talwar is presently working as Assistant Librarian at Lovely Professional University, Phagwara (Punjab). She is holding degrees of M.Com, NET and perusing Ph.D. Degree. She has more than 9 years of professional experience in the field of librarianship. She has published 25 research papers in the National and International Journals, conference proceedings and books.



Prof. Manoj Kumar Sinha holds Ph. D. in Zoology, Library and Information Science from T. M. Bhagalpur University, Bhagalpur. He is presently working as Professor in the Deptt. of LIS, Assam University, Silchar. He is also appointed as the Dean of Swami Vivekananda School of Library Sciences, since February 2018. He served as the Acting Librarian, at Rabindra (Central) Library, Assam University, Silchar from April 11, 2019 to December 30, 2020. He has published more than 300 research papers and articles in the area of Library & Information Science, Botany, Zoology and Environmental Sciences. He is currently,

President of the Library Association of Bihar (LAB) and Life Member of ILA, IASLIC, IATLIS, LPA, and Assam Library Association.

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in Networked and Digital Environment

Dr. D. D. Lal, Ms. Yogita Talwar
Prof. Manoj Kumar Sinha

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Editor-in-Chief
Dr. D. D. LAL

Editors
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Prof. Manoj Kumar Sinha

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Managing Next Generation Library System in Networked and Digital Environment



Dr. D. D. Lal
Ms. Yogita Talwar
Prof. Manoj Kumar Sinha



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S/d
Dr. D. D. LAL



Preface



Managing Next Generation Library System in Networked and Digital Environment

Today, people get their information online, - often filtered through for-profit platforms. If a book isn't online, it's as if it doesn't exist. Yet much of modern knowledge still exists only on the printed page, stored in libraries. Libraries haven't met this digital demand, stymied by costs, e-book restrictions, policy risks, and missing infrastructure. We now have the technology and legal framework to transform our library system. The Internet Archive, working with library partners, proposes bringing millions of books online, through purchase or digitization, starting with the books most widely held and used in libraries and classrooms.

With the emergence of new technologies, the traditional library, acting as a medium for sharing information, needs an integral refinement in its processes. This transformation will bring in efficiency and minimise human error in the processes with the help of smart gates, material location finders and smart check-out booths to automate the processes of controlling access, locating item as well as the issuing/returning of materials. However, the changeover to a smart library system might face several challenges, like, for instance, the cost of implementing numerous high-frequency RFID readers at prime locations in the library.

Another crucial challenge of this system will be the equipment's limitations to achieving a more performant system. Highly sophisticated equipment will be required which will largely affect the cost.

Libraries are facing increased expectations from users, and challenge of developing technologies including: Web 2.0, e-books, digitations and a problem of archiving digital content. Web-based technology provides users and information professionals with powerful and flexible tools for information dissemination.

Librarian offers a helping hand for users to find out the required piece of information and to use it for personal and professional purposes. Due to the advent of the Internet, the World Wide Web and the proliferation of online catalogues, the role of a librarian has been changed. Now he is more efficient and has new roles as intermediary, facilitator, end-user

trainer/educator, web organizer & designer, researcher, interface designer, knowledge manager/professional and sifter of information resources. Librarian should be knowledgeable about a variety of information sources and follow the new trends and advancements in computers, media, and publishing.

In a wider informational ecosystem throughout the world, a “smart library” is an information centre with networks of numerous libraries and their services. Smartness means that the evaluation of real resources and users is used to guide the development of new library e-tools and services.

The concept of a smart library focuses on the use of technology in libraries and is intended to be a highly collaborative learning environment in which users are encouraged to contribute ideas and information. Smart libraries enhance standard and non-traditional library services, as well as the library experience of users and students.

A number of fantastic digital projects are going on around the world. Some of the emerging technologies being leveraged by libraries can be enlisted as: digital maker labs, coding clubs, digital storytelling, virtual reality, mobile apps; open libraries, RFID technologies, robot technologies, cloud printing, web technologies etc.

Libraries are in a prime place experiment with creative spaces and take on costly duties that are limited to acting as more than just information resources. Libraries must harness the spirit of the user community, analyse their needs, and provide tailored resources to promote e-governance, information literacy, content creation, native languages, and lifelong learning for the poor, underprivileged, and marginalised. They must expand their reach outside of the traditional area and promote e-culture on a large scale. There is a special guideline that consumers should be aware of the above initiatives.

This book will focus on traditional libraries, smart and modern libraries, challenges of library transformation, issues and challenges of libraries and librarians etc.

S/d
Dr. D. D. LAL
(Editor-I n-Chief)



List of Contributors



Sl. No.	Name of Authors	Address with Email ID
1	Mr. Ashwini Latte	<i>Research Scholar</i> , Department of Library & Information Science, Rani Channamma University, Belagavi, India. Email: gashwini364@gmail.com
2	Dr. Deepti Khatri	<i>Librarian</i> , Saheed Sukhdev College of Business Studies, University of Delhi, Delhi. India. Email: deeptikhatri2005@gmail.com
3	Mr. Hemanta Borah	<i>Research Scholar</i> , Assam University, Assam. Email: hkb279359@gmail.com
4	Dr. J. C. Makwana	<i>Assistant Professor</i> , PG Department of Library & Information Science, Bhaikaka Library Campus, Sardar Patel University, Vallabh Vidyanagar, Anand, Gujarat. India. Email : jignesh.makwana2182@gmail.com
5	Dr. Krishnamurthy M.	<i>Associate Professor</i> , DRTC, Indian Statistical Institute, Bengaluru. India. Email : mkrishnamurthy1304@gmail.com
6	Mr. Mahesh V M	<i>Project Linked-Personnel</i> , DRTC, Indian Statistical Institute, Bengaluru. India. Email : maheshmanjunathvp@gmail.com
7	Dr. Mahendra Kumar Sahu	<i>Assistant Librarian & Head</i> , LRC-Management Development Institute, Murshidabad. W.B. Email: sahumahendrak9@gmail.com
8	Mr. Omprakash Rathore	<i>Ex. Librarian</i> , DP Vipra P.G. College, Biaspur Gyan Roshani College of Education, Khokhra, Janjgir, Chhattisgarh, India. Email: oprathore81@gmail.com
9	Mr. Rajat Das	<i>Research Scholar</i> , Assam University, Assam. Email : rajatdas568@gmail.com
10	Ms. Rani Shaista Kanwal	<i>Dy. Librarian</i> , National University of Sciences & Technology (NUST), Islamabad, Pakistan. Email : librarianrani@gmail.com

11	Ms. Sanghita De	<i>Research Scholar (M.Phil. LIS), Department of Library & Information Science, University of Calcutta. Kolkata, West Bengal. Email : sanghitade8@gmail.com</i>
12	Ms. Shashi Kumari	<i>Research Scholar (BLIS), Department of Library and Information Science, Maulana Mazharul Haque Arabic Persian University, Mithapur, Patna District, Bihar. India. Email : shashikumari2406@gmail.com</i>
13	Dr. Tridib Chattopadhyay	<i>Librarian, St. Paul's Cathedral Mission College, Raja Rammohan Roy Sarani, (Amherst Street), Kolkata. West Bengal. Email : tridibchattopadhyay@gmail.com</i>
14	Mr. Upender Kumar	<i>Research Scholar (JRF), Mahatma Gandhi Central University, Department of Library & Information Science, Mahatma Buddha Parishar, East Champaran, Bihar. India. Email: upendergupta2406@gmail.com</i>



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