

# USAGE OF E-RESOURCES IN UNIVERSITY LIBRARIES INDIA

## **Editors**

# **Shivjee Prasad**

Chanakya National Law University, Patna.

# Prof. (Dr.) Payare Lal

University Librarian and
Head of Department of Library and Information Science,
Desh Bhagat University,
Punjab.

Kripa-Drishti Publications, Pune.

Book Title: Usage of E-Resources in University Libraries India

Editors By: Shivjee Prasad, Prof. (Dr.) Payare Lal

Authored By: Dr. Alok Kumar Tripathi, Anuradha Kanoujiya,

Ranjana Srivastava, Jyoti Tomar, Maharani Laxmi Bai, Susan Babu, Dr. Shamala N. B., Tahir Ahmed Batt, Dr. Ashwani Kumar, Avijit Rai, Dr. Sarbada Pradhan, Subhankar Ray Cowdhury, Mrs. Supriya Banerjee, Laxmi Yallappa Kamble, Prof. Vinayak M. Bankapur,

Suhail Nabi, Dr. Ashwani Kumar, Qurat Ul Ain, Subhajit Panda, Shivjee Prasad, Poonam M. Joshi

Dr. Suranjan Chakraborty, Dr. Payare Lal, Dr. Suman Singh, Dr. (Ms.) Shiva Parihar, Mr. Shivjee Prasad, Chandrasen Jangde,

Dr. (Prof.) D.V. Singh

1<sup>st</sup> Edition

ISBN: 978-93-94570-39-9



Published: Jan 2023

**Publisher:** 

Kripa-Drishti Publications

A/503, Poorva Height, SNO 148/1A/1/1A,

Sus Road, Pashan-411021, Pune, Maharashtra, India.

Mob: +91-8007068686

Email: <a href="mailto:editor@kdpublications.in">editor@kdpublications.in</a>
Web: <a href="mailto:https://www.kdpublications.in">https://www.kdpublications.in</a>

#### © Copyright Shivjee Prasad, Prof. (Dr.) Payare Lal

RIPA DRISHTI

PUBLICATIONS

All Rights Reserved. No part of this publication can be stored in any retrieval system or reproduced in any form or by any means without the prior written permission of the publisher. Any person who does any unauthorized act in relation to this publication may be liable to criminal prosecution and civil claims for damages. [The responsibility for the facts stated, conclusions reached, etc., is entirely that of the author. The publisher is not responsible for them, whatsoever.]

# Foreword by:



**Dr. Abhilash Nayak** Sr. Regional Director, IGNOU, Patna.

In response to the emergency created during the pandemic, the whole world turned towards the application of technology in every sphere of life, notwithstanding the challenges lying underneath. Open, online and distance education acquired unprecedented momentum which necessitated the use and application of ICT for dissemination, storage and retrieval of information for the benefit of intelligentsia, teaching-learning transactions, instruction, assessment and evaluation at every level of education. Resultantly radical transformation in the resources, structure and functioning of the academic libraries has become an imperative. Physical resources in the libraries have been increasingly complemented, supplemented, even replaced with the e-resources, covering a gamut of resources like digital resources, OPACs, online databases, e-journals, e-zines (magazine), e-books, internet resources, e-thesis and dissertation (ETD), institutional repositories, e-newspapers and web publications. The transformation in the structure and functioning of the libraries has also redefined the roles and responsibilities of the staff working in the libraries. The librarians should develop an awareness of the types of e-resources, their procurement, management and utilization and get trained in Electronic Resource Management Systems (ERMS) to evaluate, acquire, procure, reregister, implement and administer e-resources, keep track of a library's digital titles, subscriptions and distributor information, control every stage in the life cycle of electronic resources to enhance their professional competence.

The advantages of procuring, accessing and utilizing e-resources outweigh the disadvantages, challenges or barriers faced in the procurement, accessing or use of e-resources. E-resources are preferred over and above the physical resources because of their multiple and simultaneous accessibility over the net, flexibility, affordability, and most importantly the ease and speed of access which save time, energy and resources. However, the barriers and the challenges the users face during the access and use f these resources cannot be overlooked. Barriers like slow speed of internet, power failure, lack of ICT knowledge, difficulty in accessing the full text due to copyright issues and challenges like organizational issues, access, procurement and retention issues, financial issues, issues related to security, authenticity, relevance and trustworthiness of the e-resources unverified by the academic bodies often nullify the advantages they seem to offer. The novice readers and scholars tend to get swayed or misguided by the misleading information reaching them through such e-resources.

The research papers included in the book cover all the aspects of e-resources, right from the definition of the e-resources for the understanding of the common man to the critical application of the e-resources for research and academic purposes and touch upon the need of e-resources, different types of e-resources, case studies on the use of the e-resources in colleges and universities across the country and the evolution of e-resources over the years. The book promises to develop an awareness as well as skill among the users between the right and wrong use of the e-resources and guide them in taking advantage of the benefits offered by them while keeping themselves protected from the challenges that they may fall prey to.

Dr Shivjee Prasad and Kripa-Drishti Publications deserve all appreciation for this spectacular academic output, putting the thoughts from the best minds together in the form of this book. I sincerely hope that this book will serve as a guide and companion to the research scholars, academics and general public who invest their trust in the potential of the ICT-enabled academic innovations.

Abhildsh Nayak X/OS/2023 Senior Regional Director

क्षेत्रीय केन्द्र पटना Regional Centre Patna इन्दिरा गाँधी राष्ट्रीय मुक्त विश्वविद्यालय Indira Gandhi National Open University इंस्टीटयूशनल एरिया, मीठापुर, पटना-800 001, बिहार

इस्टाटयूशनल एारया, माठापुर, पटना-800 001, बिहार Institutional Area, Mithapur, Patna-800001 (Bihar) www.ignou.ac.in, http://rcpatna.ac.in

## **PREFACE**

This Edited Book Usage of E-Resources in University **Libraries India** describes the use and use of e-resources in the academic library and analyses the status of use of e-resources. Information technology (IT) has made rapid changes in the field of education. Along with this, librarians will also have to adapt to this new development for storage and e-delivery and dissemination of information. At present libraries of all kinds whether public, research academic or special libraries are overwhelmingly looking forward to adopting new technologies mostly use of e-resources due to its potential for cost savings in operations and the management of collections and Patrons. digital objects containing electronic E- Resources are representation of books, journals and other form of reading materials and they are converted into a digitized form in order to be read by a computer. In today's world electronic resources (e- resources) have become very popular, and libraries are no exception. Today, the academic libraries are procuring more and more e-resources for their libraries. It gives an overview of the relationship of e-resources with information literacy. It also gives an overview of the different chapters of information literacy on e-resources in university libraries.

This various contribution study investigated the use of electronic resources by the students, research scholars and faculty members. It examined the user's awareness of the different types of e-resources available in the University Library, purpose and frequency of using e-resources by the users, the factor affecting resource utilization, impact of e-resources and services on the academic work of the users, suggest the ways and means for the effective use of e-resources and services available in University Library, etc.



**MESSAGE** 

LIBRARY is the chief source to the aspieants to gather all knowledge and with the technological advancements and internet support we have been trying to bring all forms of knowledge to the hearthstone of the seeker in a single touch of the key. At one point of time, it was apprehend that old testaments, religious documents, gospels, Vedas, etc, etc, would perish with time but now we have forgone such fear since we have able to treasure them electronically in a Cloud Storage and other storage formats and we are trying make them available through E-Libraries globally in a single e-workspace by creating a common user interphase. Now, the Librarians are also being trained and equipped to handle with these SOFT ARCHIVES and maintain the system so that all desired information can be provided to the user. Of late, a proposal for an user friendly interface at the National level is being surfaced for creating an unique software under the aegis of Ministry of Education and Information Technology so that the aspirants can gather all knowledge from any point in the country in a single click of the ENTER button. Thus, this book shares the entire concept of E-Libraries, their use, the procedure to avail the e-resources and the future of India. Thus, in my view this book is a real help to those who are looking for advancements in Library science and is an eye opener to the seekers.

At last, but not the least I whole heartedly thank the Editor **Shivjee Prasad** & **Dr. Payare Lal** for all his endeavors to bring this phenomenal piece of literacy in black and white and the **KD Publisher** for his gracious work dwell to publish this work for enlightenment of the seekers and aspirants.

**Dr. Suranjan Chakraborty** 

Civil Judge, West Bengal.

#### **ACKNOWLEDGEMENTS**

We truly hope that reading our book has made valuable contribution to your understanding of the strange world of "USAGE OF E-RESOURCES IN UNIVERSITY LIBRARIES INDIA"

First, the editor would like to thank each one of the authors for their contributions. our sincere gratitude goes to the chapter's authors who contributed their time and expertise to this book. without their support, this book would not have become a reality.

I am grateful to Justice **Smt. Mridula Mishra**, Vice-Chancellor, Chanakya National Law University, Patna, **Mr. M. P. Srivastava**, **Registrar**, Chanakya National Law University, who have been supportive to my career goals and who worked actively to provide me with the protected academic time to pursue those goals. I am grateful to all of those with whom I have had the pleasure to work during this and other related projects.

We would especially like to thank all my library colleagues, faculty members, friends, over the years who have provided useful feedback & support.

I must also express my thanks to **Dr. Abhilash Nayak**, Senior Regional Director, IGNOU, Patna. **Dr. Suranjan Chakraborty**, Civil Judge, West Bengal. **Dr. Arjun**, RGNUL Patiala, **Dr. Akash Singh**, NLU Delhi **Dr. Nehal Ashraf** & **Mrs. Kumari Amrita**, CNLU Patna for his valuable suggestions.

Nobody has been more important to me in the pursuit of this project than the members of my family. I am very thankful to my father **Late Girja Lal**, mother **Meena Devi**, wife **Anuradha** and my lovely Daughter & Son **Mahi & Ayush** for their willing co-operation during the period of this work.

The Book could not have seen the light of day if Mrs. Rajani Madam of Kripa Drishti Publications, Pune had not taken interest in seeing it thorough the press.

Shivjee Prasad Chanakya National Law University, Patna.

Place: Patna.

# **CONTENT**

Anuradha Kanoujiya	
Anuraana Kanoujiya	, 1
1.1 Introduction:	1
1.2 Objectives of the Study:	2
1.3 Purpose of E-Resources:	2
1.4 Forms of Electronic Resources:	2
1.5 Electronic Information Resources in University Libraries:	3
1.6 Need of E-Resources:	
1.7 There are Several Reasons to Justify the Collection Building of	Electronic
Resources in Libraries. these can be Summarized as Follows:	
1.8 Need For E-Resources and Services within the Tutorial Libraries:	4
1.9 Advantages of E-Resources:	
1.10 Following Area Unit the Problems Associated with E-Resources:	
1.11 Conclusion:	
1.12 References:	6
2. Need of E-Resources in Academic Libraries - Ranjana Srivastava,	0
Dr. Alok Kumar Tripathi	ð
2.1 Introduction:	8
2.2 Concept and Meaning of E-Resource:	
2.3 Definitions of E-Resource:	
2.4 Types of E-Resources:	
2.5 Need of Electronic Resources:	
2.6 Conclusion:	
2.7 References:	
3. Challenges to Availability, Accessibility, and Utilization of E-Re	esources at
University Libraries in India - Jyoti Tomar, Maharani Laxmi Bai	
3.1 Introduction:	
3.2 Availability of E-Resources:	
3.3 Accessibility of E-Resources:	
3.4 Awareness and Utilization of E-Resources:	
3.5 Challenges to E-Resources:	
3.6 Conclusion:	
3.7 References:	20

4. Use of E-Resources by Post Graduate Students in CMS College (Autor	omous),
Kottayam - Susan Babu	21
4.1 Introduction:	21
4.2 Relevance of the Study:	22
4.3 E- Learning Resources:	
4.4 Frequency of Use:	
4.5 Methods of using E- Resources:	
4.6 Search Techniques:	
4.6.1 Method of Retrieving the Required Website:	
4.7 Use of E- Resources:	26
4.8 DOAJ:	26
4.9 Purpose of using E- Resources:	27
4.10 Level of Satisfaction:	
4.11 Suggestions:	30
4.12 Conclusion:	
4.13 Reference:	
5. Need of E-Resources in Academic Libraries - Dr. Shamala N. B	31
5. Need of E-Nesources in Academic Libraries - Dr. Shamaa N. D	J1
5.1 Introduction:	31
5.2 Review of Literature:	34
5.3 Selection of E-Recourses:	34
5.4 Need and Importance of Library Consortia Based Resource Sharing:	35
5.5 Conclusion:	
5.6 References:	
6. Types of E- Resources, Usage, Challenges and Opportunities -	
Tahir Ahmed Batt, Dr. Ashwani Kumar	37
	27
6.1 Introduction:	
6.2 Definition:	
6.2.1 Features and need of E-Resources:	
6.2.2 Types of E-Resources:	
6.2.3 Selections and Issues of E-Resources:	
6.3 Collection Development:	
6.4 Consortia Purchase and Library Cooperation:	
6.5 Conclusion:	
6.6 References:	42
7. Evolution, Present Scenario and Future of Ebooks in Academic Libra	ries. An
Overview - Avijit Rai, Dr. Sarbada Pradhan	
7.1 Introduction:	11
7.1 Introduction. 7.2 Literature Review:	
7.2.1 Definitional Analysis:	
7.2.2 Evolutionary Analysis:	
7.3 Current Status of E-Books in Academic Library System:	
/ // // // // // // // // // // // // /	49

7.4.1 For Libraries:	49
7.4.2 For Users:	50
7.5 Disadvantages:	50
7.6 The Future of eBooks in an Academic Library System:	51
7.7 Management of EBooks and Affecting Factors:	
7.7.1 Collection Development Policies:	
7.7.2 Budget:	
7.7.3 Selection and Acquisition:	53
7.7.4 Licensing and Purchasing Models:	54
7.7.5 Promotion:	54
7.7.6 Usage Monitoring:	55
7.8 Users Perspectives:	55
7.9 Conclusion:	55
7.10 References:	56
8. Role of Institutional Repositories as E Resource for the Researchers - Subhankar Ray Cowdhury, Mrs. Supriya Banerjee	58
8.1 Introduction:	58
8.2 The Concept of Institutional Repositories (IR):	
8.3 Features of Institutional Repository:	
8.4 Mechanism behind building an Institutional Repository:	
8.4.1 The Steps Involved in Building an Institutional Repository:	
8.4.2 Select a repository platform:	
8.4.3 Hosting:	
8.5 Stakeholders of Institutional Repositories:	
8.6 Institutional Repositories Designed in Indian Institutes:	
8.7 List of available International Institutional Repositories:	
8.7.1 Role of Institutional Repositories as the Significant E Resource:	
8.8 Problems while accessing the Institutional Repositories:	
8.9 Need of Promotion of IRS as E Resource:	
8.10 References & Bibliography:	
9. Use of Internet-Based Electronic Resources by the Faculty and Students Kles Lingaraj College Belagavi - Laxmi Yallappa Kamble, Prof. Vinayak M. Bankapur	of
2 / 2j.	
9.1 Introduction:	
9.2 Objectives:	
9.3 Review of Literature:	
9.4 Methodology:	
9.5 Result and Discussion:	
9.6 Conclusion:	
9.7 Reference:	75

10. Relevance of ICT Based Library Services to Academic Research - Suhail	
Nabi, Dr. Ashwani Kumar, Qurat Ul Ain	76
10.1 Introduction:	76
10.2 Background:	
10.3 Importance of ICT in Academic Libraries:	
10.3.1 ICT Offers Library Patrons a Variety of Advantages:	
10.4 Challenges of Using ICT in Libraries:	
10.5 Institutional Repository Service and Management of Gray Literature (Electro	nic
theses and Dissertations):	80
10.5.1 E-Books:	80
10.5.2 Electronic Journal (E-journals):	81
10.5.3 E-Database:	81
10.6 RSS in Libraries:	81
10.7 Weblogs application in library landscape:	82
10.7.1 The Deep Web:	
10.7.2 Using Deep Web Search Engines for Academic and Scholarly Research	arch:
10.8 Blockchain Technology: Concept and Application in Libraries	
10.9 Conclusion:	
10.10 References:	86
Database - Subhajit Panda	90
11.1 Introduction:	
11.2 Needs for Library Usage Analysis	91
11.3 Literature Review	91
11.4 Research Objectives	92
11.5 Scope of the Study	92
11.6 Research Methodology:	92
11.7 Data Analysis:	93
11.8 Result and Discussion:	
11.8.1 Year-wise Publication Trends	93
11.8.2 Relative Growth Rate and Doubling Time:	93
11.8.3 Document Type:	95
11.8.4 Source Type:	96
11.8.5 Authorship Pattern:	
11.8.6 Degree of Collaboration:	
11.8.7 Most Productive Contributors:	
11.8.8 Affiliation-wise Distribution:	98
11.8.9 Publication Sources:	98
11.8.10 Country-wise Distribution:	99
11.8.11 Language of Publications:	
11.8.12 Subject Area of the Publications:	
11.8.13 Funding Agency of the Publications:	
11.8.14 Use of Keywords:	
11.8.15 Top Cited Publications:	103

11.9 Suggestion and Conclusion:	
11.10 References:	105
12. Need of E-Resources in Academic Libraries - Shivjee Prasad,	
Dr. Suranjan Chakraborty, Dr. Payare Lal	107
12.1 Introduction:	108
12.2 Functioning of Academic Institutes in the era of Pandemic:	
12.3 Analysis of Problems and Approach to be taken:	
12.4 Concept, Nature and Scope of Digital Library, Need of Digital Library &	
academic Librarians:	110
12.5 Conclusion and Suggestions:	113
13. Need for E-Resources in Academic Libraries - Poonam M. Joshi	114
13.1 Introduction:	114
13.1.1 Changing Trends:	
13.2 Definition of Electronic Resources (E-Resources):	
13.2.1 E-Resources Its Types:	
13.3 Need for E-Resources:	
13.3.1 Advantages of E-Resources:	
13.3.2 Disadvantages of E- Resources:	
13.4 Academic Libraries and E-Resources:	
13.5 Conclusion:	
13.6 References:	
14. Application of E-Resources in Academic Libraries - Dr. Suman Singh	119
••	
14.1 Introduction:	
14.2 Library Automation:	
14.3 E-Resources:	
14.4 Digital Materials:	
14.5 Conclusion:	
14.6 References:	126
15. Altmetrics: The Social Media link with Scholarly Analysis -	
Dr. (Ms.) Shiva Parihar, Mr. Shivjee Prasad	127
15.1 Introduction:	127
15.2 Major Altmerics Data Aggregator:	128
15.3 Conclusion:	131
15.4 References:	131
16. डिजिटल शिक्षा में पुस्तकालय संसाधन और सेवाएं - Chandrasen Jangde,	
Dr. (Prof.) D. V. Singh	132

## **About the Editors**



Mr. Shivjee Prasad is presently working with Chanakya National Law University, Patna is one of the Prestigious law University of India. He is Associate Editor of CNLU Child Rights Centre Newsletter, Editorial Board of Member of Journal of Association of Indian Law Libraries (JAILL) & International Journal of Digital Library Services (IJODLS). He has also worked as a Librarian of

Maurya TV, Patna Head office. He holds master's degree in Sociology and qualified UGC (NET) in Library and Information Science. Recently he published a book titled "Cutting Edge Technologies for Library and Information Services & Knowledge Transformation in Digital World" (book is available in Library of Congress, President Library, Parliament Library & Supreme Court Judges Library). He has more than fourteen year's professional experience in Library management, research and training. He has published many papers in National and International Conference proceedings and journals. He has actively participated in several national and international professional Seminars/Workshops/Conferences etc. He has received Manohar Research Award (Best Runner up) for Research papers presented in 2nd International conference on Conjugative management, Library information science, social science and technology for virtual world (ICCLIST-2017). He is having life membership of Indian Library Association (ILA). His area of interest includes digital library, web-based resources information management, open access initiative, library automation etc.



**Prof. (Dr.) Payare Lal** is M.Lib.Sc., Ph.D., M.Phil., M.A. (History & Pub.Admn.), PGDCA. Presently he is working as Professor, University Librarian and Head of Department of Library and Information Science, Desh Bhagat University, Punjab. The Author has 2 Books entitled, "Information Seeking Behavior of Faculty Members of Social Sciences" and Electronic Journal Usage",

 $published \ by \ LAP, LAMBERT. \ A cademic \ Publishing, Germany.$ 



Kripa-Drishti Publications A-503 Poorva Heights, Pashan-Sus Road, Near Sai Chowk, Pune - 411021, Maharashtra, India.

Mob: +91 8007068686

Email: editor@kdpublications.in Web: https://www.kdpublications.in Price: **₹475** 

ISBN: 978-93-94570-39-9

9 789394 570399