

Status of Digital Repositories in India: A Quantitative Study

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Abstract: The development of open source digital library software brings an avenue in the pattern of library and information services to collect, organise, preserve and disseminate information resources to the diverse user community. Digital repositories are created by different institution, organization and agencies to preserve their intellectual output to serve their user. This paper highlights the present status of Digital Repository (DR) in India by its collection type, subject coverage and total number of digital repository collections available to academic community as open sources. For this purpose, the Directory of Open Access Repositories (OpenDOAR) and the Registry of Open Access Repositories (ROAR) have been consulted and recorded 111 DRs in India. Based on the finding the strength of IR is quite satisfactory as compare with other developing countries. The research institutions in India are actively involved in the development of institutional repositories. Use of open source software, especially DSpace, is found to be most commonly used for the creation of DRs in India.

Keywords: - Institutional Repositories in India, IR, Digital Repository, Digital Library Software, Open Source

1. Introduction

A Digital repository is a digital archive of the intellectual output of an Institution or organization or agencies. Since 2002, when DSpace and other open sources digital library (DL) software began to be available and new concept of open access movement has been emerged, an increasing number of research libraries and their parent institutions or universities have established institutional repositories or digital repositories to collect and provide access to diverse, locally produced digital materials worldwide. In India, Digital repository movement was started in 2004 and new initiatives are emerging around the country. Institutional repositories are already well established in many universities, organisation or agencies. Organisations have set up DR for archiving documents of their own. Digital Repository has become an essential part or component of digital library that provides an alternative platform for sharing knowledge globally.

2. Digital Repository

A digital repository is a mechanism for managing and storing digital content of an organisation or an institution or an agency that can be search and retrieve for later use. It may be include research outputs and journal articles, theses, e-learning objects and teaching materials etc. It may also commonly refer to as 'institutional repositories' or 'digital archives'.

The term Instructional repository (IR) was coined by Scholarly Publishing for Academic Resources Coalition (SPARC), and has been defined by SPARC as “digital collections capturing and preserving the intellectual output of a single or

multi-university community” (Crow, 2001). IRs are now become an important new player in the field of academic information management and publishing. The development and growth of IRs arose in response to the major changes in scholarly communication. The new form of scholarship - that is born digital - constitutes an important source for present and future research and teaching. With the emergence of the World Wide Web as an effective vehicle for publishing and distributing, the born-digital form of scholarly objects becomes more popular (Nazim & Mukherjee, 2011). The main objectives for having DR in an institution are as follows:

- To represent the research output within institution to outer world..
- To ensure long term preservation of institutional output.
- To support learning, research & administrative purpose.
- To collect & manage intellectual products for future use & provide user centric services.
- To provide open access to institutional research output by self-archiving.

3. Objectives of the Study

The main objectives of the study are as follows:

1. To find the number of digital repositories in India.
2. To show the growth and development of digital repository in India.
3. To know which software is used most of the digital repository in India.
4. To gather details about the existing DR facilities in terms of collection,

organization and dissemination of the information to users in India.

4. Methodology

The methodology of the study is internet search based approach to know the status of DR around the world with special reference to India. The area which has been selected for research purpose

suggests rigorous internet search for gathering data. Information about the 111 DRs in India (reproduced in Appendix) was collected by visiting DOAR (Directory of Open Access Repository) and ROAR (Registry of Open Access Repository) web sites & also visits different institutional & university websites of the respective libraries.

5. Year wise Growth and Development of Digital Repository in India

Table 1: Growth & Development of DRs in India Year wise

Year	No. of Repository	Growth Rate (%)
2003	1	0.94
2004	4	3.77
2005	10	9.43
2006	10	9.43
2007	7	6.60
2008	8	7.54
2009	13	12.26
2010	7	6.60
2011	15	14.15
2012	14	13.20
2013	9	8.49
2014	8	7.54
Total	106	
Not Found/ Mentioned	5	
Total	111	

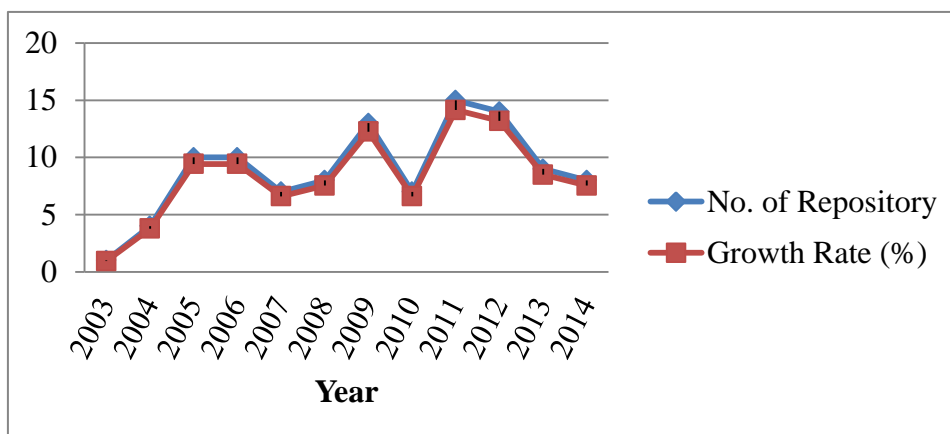


Figure 1: Growth rate of DR in India

Out of 111 repositories we found year of establishment of 106 repositories. The data reveals that out of 106 DR in India highest number of DR was established in the year 2011 i.e 15 (14.15%). The growth rate of DRs per year is not satisfactory in compare to other developed countries.

6. Types of Repository

There are different types of repositories available in open access mode. As per ROAR, repositories have been categorized as follow:

Table 2: Types of Repository

Type of Repositories	No. of Repository	Percentage (%)
Research Institution/ Departmental	70	63.06
Research Cross-Institutional	8	7.21
E-Theses	9	8.11
E-Journal	6	5.41
Learning and Teaching	5	4.50
Others	13	11.71
Total	111	

Table reveals that maximum number of DRs i.e. 70 (63.06%) out of 111 repositories were research institution or university or department based, followed by e-theses 9 (8.11%), research cross institution 7 (7.21%), e-journals 6 (5.41%) and learning & teaching 5 (4.50%). Others includes government libraries and public libraries having 11.71%.

7. Softwar Used

Open source digital library packages are gaining popularity nowadays. Some of the open source software’s widely used for the development of an IR are:

- DSpace (Digital Space), <http://www.dspace.org>
- Eprint Archive, <http://cdsware.cern.ch/www.eprints.org>
- FEDORA: An Open Source Digital Repository Management <http://www.fedora.info/>
- FirstSearch (OCLC), <http://firstsearch.oclc.org/>
- GSDL (Green Stone Digital Library), <http://greenstone.unam.na/gsd/cgi-bin/library>

Out above software DSpace is commonly used through out of the world. The following figure represents the software used by the different repositories in India.

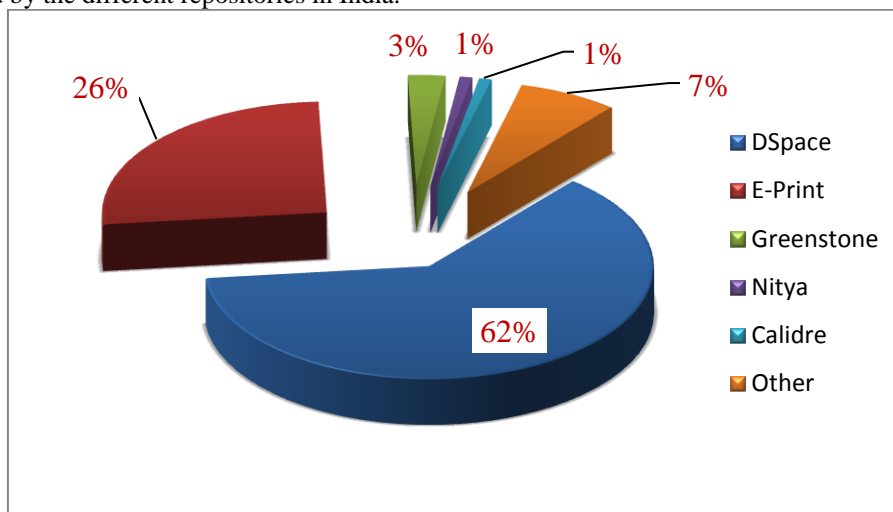


Figure 2: Software Used by No. of Repositories

The study reveals that, out of 111 repositories 62% i.e 69 repositories used DSpace software, 26% i.e. 29 repositories used E-Prints, 3% i.e. 3 repositories used Greenstone, Nitya is used by 1 repository i.e 1% & Calibre is used by one repository i.e. 1%. Remaining repositories have not mentioned about type of software, they may be used locally made software or other software.

8. Number of Object

The following table represents number of objects in number of repositories. Data has been taken on as 31th July, 2014.

Table 3: Object Available in No. of Repositories

No. of Object	No. of Repositories	Percentage (%)
0-1000	46	47.42
1001-2000	11	11.34
2001-3000	9	9.27
4001-5000	1	1.03
5001-6000	4	4.12
6001-7000	3	3.09
7001-8000	1	1.03
8001-9000	2	2.06
9001-10000	2	2.06
11001-12000	2	2.06
12001-13000	1	1.03
14001-15000	3	3.09
17001-18000	1	1.03
18001-19000	1	1.03
24001-25000	1	1.03

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26001-27000	2	2.06
27001-28000	1	1.03
24001-25000	1	1.03
37001-38000	1	1.03
40001-41000	1	1.03
100001-101000	1	1.03
620001-621000	1	1.03
882001-883000	1	1.03
Total	97	
Not Mentioned	14	
Total	111	

Out of 111 repositories we found the number of records of 97 repositories. By which study reveals that most of the repositories have least number of collections and only few repositories have strong collection like Repository of Judgments of High Court of Karnataka, Parliament of India, Official debates of Rajyasabha, Indian Academic Science etc. Few repositories have not mentioned the number of objects uploaded.

9. Subject coverage of IRs

The following table shows the different subject coverage of 81 IRs in India in percentage. 9 repositories are not found any information regarding subject coverage.

Table 4: Coverage of Subject of Selected IRs in India.

Sl. NO	Subjects	No. of IR	Percentage (%)
1.	Agriculture, Food & Veterinary	13	11.71
2.	Arts & Humanities General	7	6.31
3.	Biology & Biotechnology	17	15.31
4.	Business and Economics	5	4.50
5.	Chemistry and Chemical Technology	11	9.91
6.	Civil Engineering	2	1.80
7.	Computer and IT	8	7.21
8.	Earth and Planetary Science	4	3.60
9.	Ecology and Environment	7	6.31
10.	Electrical and Electronic Engineering	6	5.41
11.	Mechanical Engineering & Material	5	4.50
12.	Health and Medicine	11	9.91
13.	Horticulture	4	3.60
14.	Library and information Science	6	5.41
15.	Management Science & Planning	8	7.21
16.	Mathematics & Statistics	7	6.31
17.	Physical science	1	0.90
18.	Geography & Regional Studies	2	1.80
19.	Physics and Astronomy	10	9.01
20.	Science General	12	10.81
21.	Social sciences General	6	5.41
22.	Technology General	10	9.01
23.	Architecture	2	1.80
24.	Education & Psychology	1	0.90
25.	Law & Politics	4	3.60
26.	Case Judgement	2	1.80
27.	Multidisciplinary	38	34.23

The above table shows that majority of libraries cover multidisciplinary subject and less number of libraries cover Social Science.

10. Types of objects

The selected DRs considered for this study contains a wide variety of digital objects. Generally it has been found that institutional repository contents full-text contents of journal articles, conference papers, book chapters, monographs, research

reports, project reports, theses, dissertations, patents, presentations, computer programs, tutorials, convocation addresses, audio materials, video materials, course materials, multimedia materials, handbooks, data books, technical manuals etc. it also found that all most all the IRs

has journals article, conference paper and some of the IRs has theses & dissertation, multimedia etc. Few IRs has special collections like database, software, patents reference etc.

11. Findings

From the above study of 111 Indian digital repositories we found that:

- Some of the repositories URLs are not working for a few cases;
- Most of the repositories provides simple search advance search;
- Users can browse by Author, Title, Subject, Date and Year.
- All the DRs has Boolean search facility;
- Some institutes have not provided total number of records;
- Some of repositories having no information regarding year of registration.
- Only a few DR contains special items;

12. Conclusion and Recommendation

We believe that digital repositories will help in the sharing and offer the opportunity for libraries to collect and preserve and disseminates the institutional intellectual output and will increase article citations and the impact factors of countries

journals. The present study covered 111 repositories in India for identified the growth & development of IRs in India and its status. The study shows that the growths of DR are quite satisfactory in compare with other developing countries. The research institutions in India are actively involved in the development of institutional repositories. Use of open source software, especially DSpace, is found to be most commonly used for the creation of DRs in India. The collection size in most of the DRs of India is in few hundred records only. Only few repositories have vast collection.

The study suggests that all types' institutions and organisations try to establishing such repository to make available permanently all digital collections of that institution and simultaneously to overcome the access barriers within the particular language periphery. At the same time an awareness program need to provide at nationally among the researchers, academicians and practitioners within institutions for realising the value & importance of DR. As a result, large number of collection will be available to the academic community of India. If a organisation setup a digital repository with their research output, they will satisfy user expectations and accomplish their institutional objective.

List of IRs in India (as on 31st July, 2014)

Sl. No.	Name	URL	Executive Organization	Software	Object	Subject
1.	Knowledge Repository Open Network	http://dspace.uok.edu.in:8080/jspu/	University of Kashmir	DSpace	Article Conference Theses	Sc. General, Agriculture, Food & Veterinary, Health Medicine, Technology Genera
2	ETD of UAS Dharwad	http://eld.usad.edu/	University of Agricultural Science, Dharwad	NA	Theses	Agriculture, Food & Veterinary
3.	Open Access Repository ICRISAT-OAR @ ICRISAT	http://oar.icrisat.org	Internal Crops Research Institute for the Semi-Arid Tropics	E-Prints	Article, Conference, Learning Objects, Multimedia	Multidisciplinary
4.	DSpace @ IUCAA	http://www.iucaa.ernet.in:8080/jspui/	IUCAA Inter University Center for Astronomy & Astrophysics	DSpace	Article, Conference	Chemistry & Chemical Technology; Earth& Planetary Science.
5.	IIMK Digital Library	www.iimk.ac.in/gsd/egibin/library	Indian Institute of Management, Kozhikode	Greenstone	Article, Conference, Theses, Unpublished	Business & Economic
6	E-theses A Saurashtra University Library Services	http://etheses.saurashtrauniversity.edu	Saurashtra University	E-Prints	Article, Reference, Theses	Multidisciplinary

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7.	D-Space @ IMSC	http://www.imsc.res.in/xmlui	Institute of Mathematical Sciences	DSpaces	Conference, Learning Object.	Mathematics & Statistics
8.	DSpace@IIT B	http://dspace.library.iitb.ac.in/jspi/	IIT, Bombay	DSpace	Book Chapter Conference, Prociding, Article	Multidisciplinary
9.	Shodhganga	http://shodhganga.inflibnet.ac.in	Information & Library Network Centre	DSpace	Theses	Multidisciplinary
10	E-Prints @ IICB	www.eprints.iicb.res.in	IICB, Kolkata	E-Prints	Journal, Articles, Conference, theses & report	Cancer Biology and Inflammatory Disorder Division , Cell Biology & Physiology , Chemistry , Drug Development/ Diagnostics & Biotechnology , Infectious Diseases and Immunology , Molecular & Human Genetics , Nonlinear Dynamics , Structural Biology & Bioinformatics
11.	Open Access E Repository @ IIHR	http://www.erep.o.ihr.ernet.in	Indian Council of Agricultural Research, Indian Institute of Horticultural Research	DSpace	Newsletter, Annual Report	Agriculture, Food & Veterinary, Horticulture
12.	KNooR	http://dspace.uok.edo.in:8080/dspace/	University of Kashmir, SKIMS, SKUAST	DSpace	Article, Conference, Theses	Science General; Technology General
13	Indian Institute of Petroleum Institutional Repository	http://library.iip.res.in:8080/dspace/	Indian Institute of Petroleum, Dehradun	DSpace	Article	Science & Technology General: Library Science
14	Dspace at CUSAT	http://dspace.cusat.ac.in/	Cochin University of Science & Technology	DSpace	Articles, Conference, Theses, Books, Learning Object, Multimedia	Multidisciplinary
15	Indian Academic Science: Publication of Fallows	http://repository.ias.ac.in/	Indian Academic Science	E-prints	Articles	Science General; Health & Medicine; Technology Genera
16	Dspace @ SDMCET	http://210.212.198.149:8080/jspui	SDM College of Engineering & Technology, Dharwad	DSpace	Reference, Theses, Unpublish, Books, Learning Object	Chemistry & Chemical Technology; Technology General; Civil Engineering; Electronic Engineering; Computer & IT
17	Bhagirathi	http://bhagirathi.iitr.ac.in/dspace	Indian Institute of Technology Roorkee, India	DSpace	Article, Conference, Multimedia	Multidisciplinary
18	DSpace at VidyaPrasarak Mandal (Tane)	http://dspace.vpmthane.org:8080/jspui/index.jsp	Vidya Prasarak Mandal Joshi Beedekar College Arts & Commerce, Dr. V.N. Bedekar Management Institute	DSpace	E-Book, E-Journals, Manuscript Publication Article Video	Multidisciplinary

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19	E-Prints @ ATREE	http://eprints.atree.org	Ashoka Trust for Research in Ecology & the Environment	E-prints		Ecology and Environment
20	DSpace @ PDPU	http://library.pdpu.ac.in:8080/xmlui	Pandit Deendayal Petroleum University	DSpace	Articles	Multidisciplinary
21	Institutional Repository of Intellectual Contribution of DTU	http://www.dspace.ce.dtu.edu	Delhi Technical University	DSpace	Articles, Theses, Multimedia	Chemistry & Chemical Technology; Mathematics; Physics & Astronomy; Technology General; Engineering
22	DSpace@IISR	http://220.227.138.214:8080/dspace/index.jsp	Indian Institute of Spices Research, Kozhikode	DSpace	Article, Book Chapter, Project Report, Annual Report & publication	Agriculture, Horticulture, Biotechnology, Harvest Technology, Biochemistry, Soil Science
23	DSpace @ IITB	http://dspace.library.iitb.ac.in/jsp	Institute of Technology, Bombay	DSpace	Article, Conference	Multidisciplinary
24	E-Prints @ CMFRI	http://eprints.cmfri.org.in	Central Marine Fisheries Research Institute	E-Prints	Books, Patents, Articles, Conference, Theses	Agriculture, Food & Veterinary; Biology & Biochemistry; Ecology & Environment; Health & Medicine
25	National Science Digital Library	http://nsdl.niscair.res.in	Institute of Science Communication & Information Research	DSpace	Books	Science General
26	Open Access Agricultural Research Institute	http://www.agropedia.net/openaccess	ICRISAT	NA	Articles, Conference, Books	Agriculture Food & Veterinary
27	E-Prints @ IARI	http://eprints.jari.res.in/	Indian Agricultural Research Institute	E-Prints	Articles, Conference, Theses, Un	Agriculture Food & Veterinary
28	E-Prints @ MoES	http://moeseprints.incois.govt.in	Ministry of Earth Science, Govt. of India	E-Prints	Article , Monograph , Conference or Workshop Item	Earth and Planetary Science
29	E-Prints @ MDRF	http://mdrfeprints.in	Dr. Mohan's Diabetes Specialists Centre	E-Prints	Article, Theses, Book	Health & Medicine
30	E-Prints @ NML	http://eprints.nmlindia.org/	National Metallurgical Laboratory	E-Prints	Article, Conference, Theses, Books, Patent	Chemistry & Chemical Science
31	Physical Research Laboratory Library	http://www.prl.res.in/library	Physical Research Laboratory	Greenstone	Article, Theses, Reports	Physics, Astronomy
32	Open Access Repository of Indian Theses	http://eprints.csirexplorations.com/	CSIR Unit or Research & Development of Information Products, Pune	E-Prints	Theses, Patent, Article	Multidisciplinary
33	E-Prints @ IMMT	http://eprints.immt.res.in/	Institute of Minerals &	E-Prints	Journals, Conference,	Mineral & materials engineering

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			Materials Technology, Bhubaneswar		Report, Theses, Patent etc.	
34	DSpace @ NCRA	http://ncralib.ncr.a.tifr.res.in:8080/dspace	Institute of Technology, Bombay	DSpace	Article, Theses, Unpublished, Learning Object, Multimedia	Physics & Astronomy
35	Allama Iqbal Library Digital Collection	www.kashmiruniversity.net	University of Kashmir	Greenstone		Multidisciplinary
36	Mahatma Gandhi University-Online Theses Search	http://mgutheses.org/	Mahatma University	Nitya	Theses	Multidisciplinary
37	E-Prints @ NII	http://eprints.nii.res.in/p	National Institute of Immunology, India	E-Prints	Articles, Unpublished	Biology & Biochemistry
38	DSpace at University of Hyderabad	http://digilib.uohyd.ernet.in/dspace	IGM Library	DSpace	Theses, Dissertation, Research Paper	Multidisciplinary & Multilingual
39	KR @ CIMAP	http://kr.cimap.res.in	Central Institute of Medicinal & Aromatic Plants	DSpace	Journal Articles, Conference Proceeding Articles, Technical Reports, Theses, Dissertations,	Agriculture, Biology, Chemistry
40	DSpace at BMA	http://bma.ac.in:8080/dspace	Bangalor Management Academy	DSpace	Learning & Teaching Object	Multidisciplinary
41	Dyuthi	http://dyuthi.cusat.ac.in/	Cochin University Science & Technology	DSpace	Articles, Theses, Learning Objects, Multimedia, Special	Multidisciplinary
42	E-Prints @ SBT MKU	http://eprints.bicmku.in	School of Biotechnology, Madurai Kaamaraj University	E-Prints	Articles	Biology, Biochemistry
43	NISCAIR Online Periodicals Repository (NOPR)	http://nopr.niscair.res.in/	National Institute of Science Communication & Information Research (NISCAIR)	DSpace	Journals, Magazine, Articles; References	Multidisciplinary
44	DKR @ CDRI	http://dkr.cdri.res.in:8080/dspace/index.jsp	Central Drug Research Institute	DSpace	Articles; Unpublished	Biology, Biochemistry; Health, Medicine
45	Sidha Articles	http://www.free-webs.com/siddhapapers	Bethesda CAM Research Center	Other	Theses publication	Ancient Siddha Science
46	DSpace @	http://dspace	Guru Gobind	DSpace	Articles;	Multidisciplinary

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	GGSIU	ipu.ernet.in:8080/dspace/	Singh Indraprastha University, Delhi		Theses; Learning Objects	
47	E-Prints @ CFTRI	http://ir.ccftri.com	CFTRI	E-Prints	Journal, theses articles, , dissertations and student investigations	Multidisciplinary
48	National Centre for Catalysis Research	http://www.eprints.iitm.ac.in/	National Centre for Catalysis Research, IIT, Madras	E-Prints	Publications, Conferences, Theses.	Chemistry & Chemical Technology
49	National Center for Antarctic Research	http://dspace.ncaor.org:8080/dspace/	National Center for Antarctic Research,	DSpace	e-books, e-journals, current news and reports, publications	Antarctic Science, Environment & Ecology
50	Institutional Repository at MDI	http://dspace.mdi.ac.in:8080/dspace/	Management Development Institute	DSpace	Articles, Conference, Books, Special	Multidisciplinary
51	DSpace @ INFLIBNET	http://ir.inflibnet.ac.in/dspace/	Information & Library Network Center (INFLIBNET)	DSpace	Conferences, Learning Objects, Special	Multidisciplinary
52	DSpace at ICAFI Business School	http://202.131.96.59:8080/dspace/	ICFAI Business School, Ahmedabad	DSpace	Articles, Conferences Unpublished Books, Specials	Mathematics, Statistics, Economics; Management & Planning
53	Bioinformatics	http://www.bioinformatics.net/	Bioinformatics	Other	E-Journals, Articles	Biological Science
54	ISI Library	http://library.isibang.ac.in:8080/dspace/	Indian Statistical Institute, Bangalore	DSpace	Publications	Mathematics & Statistics
55	Rajiv Gandhi Center for Biotechnology	http://www.rgcb.res.in/	Rajiv Gandhi Center for Biotechnology	Other	E-Journals	Biotechnology
56	DRS at National Institute Of Oceanography	Http://drs.nio.org/	National Institute Of Oceanography	E-Prints	Conference, Theses	Science & Technology General, Arts & Humanities General;
57	Kautilya @ IGIDR	http://oii.igidr.ac.in:8080/dspace/	Indira Gandhi Institute of Development Research, Mumbai	DSpace	Conferences, Theses, Humanities	Multidisciplinary
58	Eprint@IIIT	http://eprints.iiita.ac.in/	Indian Institute of Information Technology	E-Prints	Research Papers, Articles	Management Science, Electronics communications Technology
59	DSpace @ IIMK	http://dspace.iimk.ac.in/	Indian Institute of Management, Kozhikode	DSpace	Articles, Conferences, Theses, Unpublished	Business, Economics
60	DU E-prints Archive	http://eprints.du.ac.in	University of Delhi	E-Prints	Preprints, Conferences, Books, Articles, Patents	Multidisciplinary

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61	E-Prints @ IIT Delhi	http://eprints.iitd.ac.in/dspace	Indian Institute of Technology	E-Prints	Theses, Dissertations, Publications	Physics, Chemistry, Mathematics, Humanities
62	DSpace @ NITR	http://dspace.nitkl.ac.in/dspace/	National Institute of Technology, Rourkela	DSpace	Conferences Theses, Books, Articles	Chemistry & Chemical Technology; Physics & Astronomy; Mechanical Engineering
63	Raman Research Institute Digital Repository	http://dspace.rii.res.in/dspace/	Rama Research Institute.	DSpace	Articles, Unpublished, Learning Objects	Physics & Astronomy
64	National chemical Laboratory	http://dspace.ncl.res.in/dspace/	National chemical Laboratory, Pune	DSpace	Theses, Unpublished, Patents.	Chemistry and Chemical Technology
65	Open MED @ NIC	http://openmed.nic.in/	National Information Center, India	E-Prints	Publications	Health & Medicine
66	ETD @ IISc	http://etd.ncsi.iisc.ernet.in/	Indian Institute of Science	DSpace	Theses	Multidisciplinary
67	DSpace @ IIA	http://prints.iiap.res.in/	Indian Institute of Astrophysics	DSpace	Articles, Theses, Multimedia, Specials	Physics & Astronomy
68	NAL-IR	http://nal-ir.nal.res.in/	National Aerospace Laboratories	E-Prints	Article, Conferences, Theses, Learning Objects	Mathematics & Statistics; Technology General; Mechanical Engineering & Materials
69	Eprint@IISc	http://eprints.iisc.ernet.in	Indian Institute of Science, Bangalore	E-Prints	Articles, References, Conferences, Unpublished, Books, Patterns, Specials	Chemistry & Chemical Technology. Mathematics & Statistics, Physics & Astronomy
70	Librarians' Digital Library	https://drtc.isibang.ac.in/	Documentation Research & Training Centre (DRTC)	DSpace	Publications Conferences Theses, Multimedia.	Library & Information Science
71	DSpace @ Vidyanidhi	http://dspace.vidyayanidhi.in:8080/dspace	University of Mysore	DSpace	Theses & Dissertations	Multidisciplinary
72	DSpace @ TU	http://dspace.thapar.edu:8080/dspace/	Thapar University	DSpace	Articles, Conference, Theses	Multidisciplinary
73	E-Gyankosh	http://www.egyankosh.ac.in/	Indira Gandhi National Open University	DSpace	Learning Object	Multidisciplinary
74	WHO SEAR Digital Repository	http://repository.searo.who.int/	World Health Organization Southeast Asian Region, New Delhi	DSpace	Book, Article, Technical Report, Presentation, Image, Others	Health & Medical Science
75	Sir Venkateswara University, Tripathi	http://202.141.117.109:8080/dspace	Sir Venkateswara University, Tripathi	DSpace	Learning & Teaching Objects	Multidisciplinary
76	Bharathidasan University Library	http://172.16.1.10:8084/DSpace/	Bharathidasan University	DSpace	Learning & Teaching Objects	Multidisciplinary

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77	GB Pant University of Agriculture & Technology	http://202.141.116.205/dspace	GB Pant University of Agriculture & Technology	DSpace	Research papers, Reports, Articles	Horticulture, Biology, Biotechnology MBA(agribusiness)
78	DSpace @ NEHU: Home	http://dspace.nehu.ac.in	North Eastern Hill University, Shilong	DSpace	Publication, Theses, Multimedia	Social Science Humanities; Environmental Science
79	DSpace at M S University	http://14.139.121.106:8080/jspui/	MS University, Smt Hansa Mehta Library	DSpace	Rear book Collection & Dissertation and Theses	General Science
80	Architexturez South Asia	http://architexturez.net/oai-pmh	ABA-NET	Architexturez	Articles; Unpublished; Books; Learning Objects; Multimedia; Special	Architecture
81	Archives of Indian Labour	http://www.indialabourarchives.org/	V.V.Giri National Labour Institute, Noida	HTML	Unpublished; Books; Multimedia; Special	Geography & Regional Studies; History & Archaeology; Social Sciences General; Law & Politics
82	ARIES, Digital Repository	http://oar.icrisat.org	Aryabhata Research Institute of Observational Sciences, India	DSpace	Articles; Conferences; Theses; Unpublished	Physics and Astronomy
83	IACS Institutional Repository	http://arxiv.iacs.res.in:8080/jspui/	Indian Association for the Cultivation of Science, India	Dspace	Articles; Theses; Unpublished	Science General
84	IR@CSIO	http://csioir.csio.res.in/	CSIR-Central Scientific Instruments Organisation (CSIR-CSIO), India	E-Print	Articles; Conferences; Theses; Unpublished; Learning Objects; Multimedia; Special	Biology and Biochemistry; Chemistry and Chemical Technology; Earth and Planetary Sciences; Physics and Astronomy; Technology General; Computers & IT; Electrical and Electronic Engineering; Mechanical Engineering & Materials; Management & Planning
85	IR@CECRI	http://cecri.csircentral.net	CSIR-Central Electrochemical Research Institute, India	E-Print	Articles, Conference or Workshop Item, Monograph, Patent, Thesis	Electrical and Electronic Engineering
86	EPrints@NIRT	http://eprints.nirt.res.in/	National Institute for Tuberculosis Research, India	E-Print	Articles; References; Conferences; Theses; Books	Biology and Biochemistry; Health and Medicine
87	Osmania University Digital Library [OUDL]	http://oudl.osmania.ac.in	Osmania University, India	DSpace	Articles Publications Manuscripts, Multimedia	Multidisciplinary
88	ePrints@UoM	http://eprints.uni-mysore.ac.in/	University of Mysore, India	E-Print	Article, Book Section, Conference or Workshop Item, Book, Patent,	Social Sciences, Physical Sciences, Information, Computer and Applied Sciences, Management Sc, Agriculture Biological Sciences

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89	ShodhGangotri	http://shodh.inflibnet.ac.in/	INFLIBNET	DSpace	Synopses/Research Proposals	Multidisciplinary
90	DSpace at Vidyasagar University	http://14.139.211.206:8080/jspu/i/	Vidyasagar University	DSpace	Unpublished, University publication, Journal Articles, Old Question Paper, Thesis	Anthropology , Applied Mathematics , Bengali , Botany and Forestry , Chemistry & Chemical Technology , Commerce , Computer Science , Economics , Electronics , English , Geography and Environment Management , History , Human Physiology with Community Health , Library and Information Science , Microbiology , Philosophy , Physics and Technophysics , Political Science with Rural Administration , Santali , Sociology , Zoology
91	Social Science Cyber Library	http://socscybraryamu.ac.in/	Aligarh Muslim University	CALIBRE	Article, Theses, Book	Social Science
92	Institutional Repository @VSL	http://vslir.iimahd.ernet.in:8080/xmlui/	Indian Institute of Management, Ahmedabad.	DSpace	Articles; Conferences; Theses; Unpublished, Multimedia	Multidisciplinary
93	IR@NPL	http://npl.csircentral.net/	CSIR-The National Physical	E-Print	Articles; Conferences; Unpublished; Books; Multimedia	Biology & Biochemistry; Chemistry & Chemical Technology; Earth and Planetary Sciences; Ecology and Environment; Mathematics and Statistics; Physics & Astronomy; Health & Medicine; Technology General; Computers and IT; Electrical & Electronic Engineering; Mechanical Engineering and Materials; Library and Information Science
94	Eprints@CSIR-AMPRI	http://eprints.ampi.res.in/	Advanced Materials and Processes Research Institute, Bhopal	Eprint	Journal papers, conference papers, reports, theses, patents etc	Materials Science and Engineering, Metals, Advanced Materials
95	Digital Repository of West Bengal Public Library Network	http://dspace.wbpublibnet.gov.in:8080/jspui/	West Bengal Public Library Network	DSpace	Books	Multidisciplinary
96	DIR@IMT ECH	http://crdd.osdd.net/open/	CSIR-Institute of Microbial Technology, Chandigarh	E-Print	Articles; References; Theses	Multidisciplinary
97	DSpace@GIPE	http://dspace.gipe.ac.in/	Gokhale Institute of Politics and	DSpace	Unpublished; Books; Multimedia	Multidisciplinary

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			Economics (GIPE), Puna			
98	DSpace@ NCRA- TIFR	http://ncralib1.nra.tifr.res.in:8080/jspui/	National Centre for Radio Astrophysics	DSpace	Unpublished, Thesis, Learning materials, Multimedia	Multidisciplinary
99	OpenAgri	http://agropedia.iitk.ac.in/openaccess/	Agropedia, IIT Kanpur	Other	Articles; Conferences; Books	Agriculture, Food and Veterinary
100	DSpace at Jadavpur University	http://dspace.jdvu.ac.in/	Jadavpur University, West Bengal	DSpace	Question Paper, Thesis, journals/books	Multidisciplinary
101	Human Rights Law Network Digital Librar	http://109.74.198.40:8087/jspui/	Human Rights Law Network, Delhi	DSpace	Acts and Rules, Image Gallery, Notice, Report	Law
102	Parliament of India, Official debates of Rajyasabha	http://rsdebate.nic.in/	Rajya Sabha & National Information Centre, Govt of India	DSpace	Debate of Rajya Sabha since it inception i.e. 1952 till date	Politics
103	THE JUDGMENTS INFORMATION SYSTEM	http://dspace.judis.nic.in/	Supreme Court of India	DSpace	Case Judgments data of Supreme Court of India, High Court Benches, High Courts of India & Tribunals	Case Judgement
104	Repository of Judgments of High Court of Karnataka	http://judgmentcheck.kar.nic.in/judgments/	High Court of Karnataka	DSpace	Judgments data of High Court of Karnataka	Case Judgement
105	SCTIMST digital repository	http://dspace.sctimst.ac.in/jspui/	Sree Chitra Tirunal Institute for Medical Sciences & Technology, Trivandrum	DSpace	Sree Chitra Tirunal Institute for Medical Sciences & Technology, Trivandrum	Biology, Microbiology, Health Economics, Biochemistry, Laboratory Diagnosis, Pathology, Neurology, Cardiology, Radiology, Neurosurgery, Public Health, Medicine etc.
106	Dspace @ Pondicherry University	http://dspace.pondiuni.edu.in/jspui/	Pondicherry University, Pondicherry	DSpace	Theses, Conference Proceeding, Book Chapters, Journal Articles, Law	Law, Mathematics, Statistics, Civil Engineering, Electronic & Communication Engineering, Computer Science, Humanities, Life Science, Ecology & Environment Science, Food Science, Management, Economics, Commerce, Library & Information Science, Physical Chemical & Applied Science Social Sciences, Language & Literature

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107	DSpace @ CSIR-CBRI	http://krc.cbri.res.in/dspace/	Central Building Research Institute, Roorkee, Uttarakhand	DSpace	Published Articles, Proceeding, E-Books, Project Profiles, Annual Report, Notes	Architecture, Building Science & Technology, Structural Engineering, Geotechnical Engineering, Fire, Polymer Plastic & Composites
108	Anwesan @ SNLTR by CSE, IIT Kharagpur	http://anwesan.iitkgp.ernet.in:8080/jspui/	Dept. of Computer Science, IIT, Kharagpur	DSpace	Bengali Legendary Literary Works	Bengali Literature
109	Digital Library at CUSAT	http://dspace.cusat.ac.in/jspui/	Cochin University of Science & Technology	DSpace	Journals & Bulletin, Articles, News, Proceeding, Question papers, e-Book, Theses, Study Materials,	Multidisciplinary
110	DSpace on Chitkara University	http://dspace.chitkara.edu.in/jspui/	Chitkara University, Punjab and Himachal Pradesh, India	DSpace	Journals, Annual Reports, Unpublished, Creative Space	Multidisciplinary
111	DSpace at KMEA Engineering College	http://dspace.kmeacollege.ac.in/	KMEA Engineering College, Kerala	DSpace	Questionnaire, Article, Research publication, Software, Study Materials, Unpublished	Civil Engineering, Electrical & Electronics Engineering, Mechanical Engineering, Electronics & Communication Engineering, Electronics & Instrumentation Engineering, Computer Science & Engineering, Information Technology, Communication Engineering, Computer Science & Engineering, Computer Aided Structural Engineering, Power Electronics

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