Shodhganga Repository: A Comparative Study with Special Reference to Dr.BabasahebAmbedkarMarathwada University, Aurangabad

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Abstract

Present paper emphasis on Shodhganga& its features. Author has analysed the uploaded PhD theses by chronological, department, the contribution of Top Ten Universities and contribution of Maharashtra state in contributing PhD theses in Shodhganga. The Theses uploading strategy is also focused by the author.

Keyword- Shodhganga, Maharashtra, Dr.BabasahebAmbedkarMarathwada University

1. Shodhganga: a reservoir of Indian Theses

Theses and dissertations are known as valuable source of information. Theses and dissertations remain an un-tapped and under-utilized asset, leading to unnecessary duplication and repetition that, in effect, is the anti-theses of research and wastage of huge resources, both human and financial.

According to UGC Notification (Minimum Standards & Procedure for Award of M.Phil. / PhD Degree, Regulation, 2009) dated 1st June 2009 compulsoryto submission of electronic version of theses and dissertations by the researchers in universities with an aim to facilitate open access to Indian theses and dissertations to the academic community world-wide. Online availability of electronic theses through centrally-maintained digital repositories for easy access, archiving of Indian doctoral theses and for help in raising the standard and quality of research. This would overcome serious problem of duplication of research and poor quality resulting from the "poor visibility" and the "unseen" factor in research output. As per the Regulation, the responsibility of hosting, maintaining and making the digital repository of Indian Electronic Theses and Dissertation (called "Shodhganga"), accessible to all institutions and universities, is assigned to the INFLIBNET Centre.

"Shodhganga" is the name coined to denote digital repository of Indian Electronic Theses and Dissertations set-up by the INFLIBNET Centre. The word "Shodh" originates from Sanskrit and stands for research and discovery. The "Ganga" is the holiest, largest and longest of all

rivers in Indian subcontinent. The Ganga is the symbol of India's age-long culture and civilization, everchanging, ever-flowing, ever-loved and revered by its people, and has held India's heart captive and drawn uncounted millions to her banks since the dawn of history. Shodhganga stands for the reservoir of Indian intellectual output stored in a repository hosted and maintained by the INFLIBNET Centre.

The Shodhganga@INFLIBNET is set-up using an open source digital repository software called DSpace developed by MIT (Massachusetts Institute of Technology) in partnership between Hewlett- Packard (HP). The DSpace uses internationally recognized protocols and interoperability standards. Shodhganga provides a way for research scholars to put their Ph.D. theses in open access form for entire scholarly community. The repository has the ability to capture, index, store, disseminate and preserve ETDs (Electronic Theses and Dissertations) submitted by the researchers. (http://digitalcommons.unl.edu/cgi/viewcontent.cgi?article=1838&context=libphilprac) &(http://shodhganga.inflibnet.ac.in/)

2. Objectives of Shodhganga

According to (http://shodhganga.inflibnet.ac.in/) the objectives of Shodhganga is as follows:

- 1. To provide a common platform forresearch scholars to deposit their theses and make them available to the entire scholarly community asopen access resources;
- 2. To capture, index, store, disseminate and preserve Indian theses in electronic format so as to provide seamless access to knowledge and insights contained in the theses;
- 3. Topromote the adoption, creation, use, dissemination and preservation of electronic theses in India; and to limit the poor visibility of Indian intellectual outputs.

3. Dr.BabasahebAmbedkarMarathwada University Library, Aurangabad

Marathwada University inaugurated on 23rd August 1958 at auspicious hands of our first Prime Minister of India, late Pandit Jawaharlal Nehru. On 14th Jan., 1994 the Marathwada University was renamed as Dr. Babasaheb Ambedkar Marathwada University. Foundation stone of the library building was laid on 16thOctober 1960 by the then Chief Minister of Maharashtra Shri YashwantraojiChavan; it was inaugurated at the hands of President Dr.

SarvapalliRadhakrishnan on 25th March 1966. In May 1966 Library shifted to its new building on University campus. The large collection of 45,000 books acquired from RajeShamrajRaiRajwantBahadur, Hyderabad, in the year 1960. Now library is having 3, 74,406 print reading materials. However, in the year 1971 the library introduced reprographic service. University Library Uploads 4102+ PhD Theses inShodhganaga- A reservoir of Indian Theses project of INFLIBNET Centre & get 4th Rank status in Top Ten Universities in Uploading Theses into Shodhganaga.

(http://www.bamu.ac.in/library/KRC/BAMU_WEB/index1c3a.html?option=com_content&)

4. Theses uploading Strategy

- Dr.BabasahebAmbedkarMarathwada University Library, Aurangabad Signed MoU of Shodhganga with INFLIBNET Centre on 12th August 2013.
- ii. INFLIBNET Centre, Gandhinagar Organize 3 Days Training Programme on Shodhganga dated 29-31 January 2014.
- iii. Dr.BabasahebAmbedkarMarathwada University Library, Aurangabad deputed Library Staff to INFLIBNET Centre, Gandhinagar for attending 3 Days Training Programme on Shodhganga.
- iv. In this Programme give information about University Co-ordinator of Dr.BabasahebAmbedkarMarathwada University Library, Aurangabad for Shodhganga.
- v. INFLIBNET Centre has given e-mail and password to Co-ordinator dated 11/4/2014.
- vi. After few days university coordinator try to sign into Shodhganga university coordinator account for upload theses but due to HTTP Status Error and Shodhganga University coordinator account is not possible for uploading of theses.
- vii. University Librarian Communicate about Account Error to INFLIBNET Centre then come to know the problem is of UNIC (University Network Information Centre) website blocking problem of our university itself.

viii. Then University Librarian communicates UNIC to solve the problem. Then Shodhganga University Coordinator Login Problem solved. But due to Tomcat error, cannot upload theses fully.

- ix. Library staff is started to upload PhD theses into Shodhganga from out of university campus. The problem is our university level networking issues when uploaded PhD theses into Shodhgangawithin university.
- x. After communicating many times about uploading problem of Shodhganga to UNIC. Then the problem is solved.
- xi. As per the rules framed by this university it is necessary to submit PhD theses in print as well as CD form. The CD Submission is started from 2010. The Researcher should have to submit CD submission certificate duly signed by librarian to the PhD section. Then and then only researcher can submit their hard copy of PhD theses in PhD section. The library has accepted the theses CD's in single pdf format during 2010 to 2013.
- xii. Therefore, there are only 95 theses uploaded till December 2015.
- xiii. Since 2016 Librarian has decide to upload 100% PhD theses which is accepted by the university during 1958 to 2016 in Shodhganga. The work has been distributed among concern library staff accordingly.
- xiv. The library has uploaded such CD's which is made available in the prescribed format given by INFLIBNET. It is observed that there are only 350 PhD CD's are made available in prescribed format of Shodhganga.
- xv. The Hundreds of PhD CD's during 2010 to 2013 are made available in single pdf file. The Library staff converted all these CD's in prescribed format as per Shodhganga with the help of PDF Creator software and upload it in Shodhganga.
- xvi. The target of 100% uploading is possible because of this library has digitized all PhD theses during 1958 to 2010 i.e. the library has scanned around 12 lakh pages and uploaded on the sub-domain of library. But all PhD DVD's which is digitized; it was

available in single pdf. The Library staff has taken very hectic efforts of conversion of CD's from single pdf to chapter wise pdf with the help of Pdf Creator software.

- xvii. This University comes under Top Ten in India on 20th June 2016 because of maximum contribution of PhD theses in Shodhganga.
- xviii. At present the library has uploaded 4102 PhD Theses in Shodhganga and out of Top Ten Universities this university is on rank 4thin India. The library is also in process of uploading remaining PhD theses in Shodhganga regularly.

5. Chronological Analysis

The author wants to know how many PhD theses uploaded in Shodhganga during 2013 to 2016 hence data is analysed accordingly& presented in Table No.1

Sr.	Year	No. of Theses
No.		Uploaded
1	2013	48
2	2014	10
3	2015	37
4	2016	4007
	Total	4102

Table-1:Chronological Analysis of uploading of theses

The Table No.1 shows that the maximum i.e. 4007 PhD theses uploaded during 2016. However only 95 PhD theses were uploaded during 2013 to 2015. The University has taken the decision to upload all these intellectual asset (i.e. theses) which will be helpful to all researchers in the world as an open source.

6. Department wise Analysis

There are 42 departments are there in the campus of university. To know the actual status of uploaded theses by subject. The data is analysed accordingly and presented in the Table No.2

Sr.	Department	Uploaded
No.		Theses

1	Department of Zoology	520
2	Department of Botany	360
3	Department of Chemistry	308
4	Department of Hindi	302
5	Department of Marathi	283
6	Department of Economics	232
7	Department of Physics	219
8	Department of English	212
9	Department of Commerce	199
10	Department of Education	154
11	Department of Political Science	146
12	Department of History	109
13	Department of Psychology	103
14	Department of Sociology	93
15	Department of Physical Education	92
16	Department of Environmental Science	86
17	Department of Management Science	79
18	Department of Mathematics	76
19	Department of Statistics	63
20	Department of Geography	63
21	Department of Computer Science & Information Technology	54
22	Department of Public Administration	50
23	Department of Library & Information Science	38
24	Department of Journalism & Mass Communication	38
25	Department of Microbiology	31
26	Department of Law	30
27	Department of Engineering & Technology	29
28	Department of Pharmacy	28
29	Department of Biochemistry	28
30	Department of Pali& Buddhism	12
31	Department of Geology	11

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32	Department of Home Science	10
33	Department of Tourism Administration	8
34	Department of Sanskrit	8
35	Department of Chemical Technology	8
36	Department of Music	6
37	Department of Biotechnology	5
38	Department of Social Work	3
39	Department of Arabic	2
40	Department of Urdu	2
41	Department of Foster Development	1
42	Department of Fine Arts	1
	Total Theses =	4102

Table-2: Department wise Analysis of uploaded PhD theses

It can be seen from the above Table No.2 the highest theses uploaded in the subject of Department of Zoology (520) and lowest theses uploaded of two departments i.e. Department of Fine Arts & Department of Foster Development (1). The department of zoology is oldest department and having maximum Research supervisors, hence quantum of theses is also high than other subject.

7. Top Ten Universities

The Shodhganga is the largest PhD theses database in India. The INFLIBNET has started a very best practice for motivation to Indian Universities regarding uploading of their theses in Shodhganga. It is also started by the INFLIBNET to release Top Ten Universities whose are contributed their maximum PhD theses in Shodhganga. As per source http://shodhganga.inflibnet.ac.in/ the top ten universities in India is presented in the Table No.3

Sr.	Top Ten Universities in Shodhganga	Theses
No.		Uploaded
1	Panjab University	6452
2	Aligarh Muslim University	6376

3	Jawaharlal Nehru University	4601
4	Dr. BabasahebAmbedkarMarathwada University, Aurangabd	4102
5	Karnatak University	4017
6	Anna University	3978
7	Gauhati University	3942
8	Maharaja Sayajirao University of Baroda	3466
9	Sri Krishnadevaraya University	3301
10	MaharshiDayanand University	3267
	Total Theses =	43502

Table-3:Top Ten Universities (As on date 2/1/2017)

It is indicated that as per the Table No.3 Punjab University (6452) is on rank 1stHowever MaharshiDayanand University(3267) is on rank 10th while the Dr. Babasaheb Ambedkar Marathwada University is on 4th rank (4102). Out of 116143 PhD theses which is uploaded by all Indian Universities it is observed that the contribution of top ten universities were 43502(37.45%) number of theses. (Source http://shodhganga.inflibnet.ac.in/)

8. Current Scenario of Theses Uploading Universities/Institutions in Maharashtra

The author has compiled the data with the help of Shodhganga website regarding quantum of universities in Maharashtra those are uploading their PhD theses in Shodhganga. The related data is analysed accordingly and present in Table No.4.

Sr.	University Name	Uploaded
No.		Theses
1	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	4102
2	SavitribaiPhule Pune University, Pune	1354
3	SantGadge Baba Amravati University, Amravati	628
4	S.N.D.T Women's University, Mumbai	621
5	Shivaji University, Kolhapur	501
6	Tilak Maharashtra Vidyapeeth, Pune	457
7	HomiBhabha National Institute, Mumbai	342
8	Tata Institute of Social Sciences, Mumbai	263
9	Swami RamanandTeerthMarathwada University, Nanded	235

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10	North Maharashtra University, Jalgaon	163
11	Symbiosis International University, Pune	94
12	NarseeMonjee Institute of Management Studies, Mumbai	87
	Mahatma Gandhi Antarrashtriya Hindi Vishwavidyalaya,	49
13	Wardha	
14	Institute of Chemical Technnology, Mumbai	37
15	Solapur University, Solapur	37
16	BharatiVidyapeeth Deemed University,Pune	31
17	D. Y. Patil University, Kolhapur	28
18	Deccan College Post Graduate & Research Institute, Pune	24
19	Maharashtra Animal and Fishery Sciences University, Nagpur	17
20	The DattaMeghe Institute of Medical Sciences,Wardha	16
21	KavikulaguruKalidas Sanskrit University	15
22	Dr. BabasahebAmbedkar Technological University, Lonera	6
23	University of Mumbai, Mumbai	4
24	YashwantraoChavan Maharashtra Open University, Nashik	1
	Krishna Institute of Medical Sciences Deemed University,	1
25	Karad	
26	R. T M. Nagpur University, Nagpur	1
	Total Uploaded Theses =	9114

Table-4: Current Scenario of Theses Uploading Universities/Institutions in Maharashtra.(As on date 2/1/2017)

It can be seen from the above Table No.4 Highest PhD Theses Uploaded into Shodhganga in Maharashtra State by Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (Theses-4102+) and becomes 1st University in Maharashtra state uploaded highest theses inShodhganga and Lowest PhD Theses Uploaded into Shodhganga by three Institute /Universities i.e. Krishna Institute of Medical Sciences Deemed University, Karad and YashwantraoChavan Maharashtra Open University, Nashik and R. T. M. Nagpur University, Nagpur (Theses -1). It is also observed that there are 9114 theses were uploaded in Shodhganga by universities in Maharashtra. That means 7.84% of the total theses were uploaded by universities of Maharashtra

9. Conclusion

In India, Shodhganga has become atrusted digital repository having a largenumber of participants. Almost alluniversities have already been participated in the programme and are contributing their entire theses in electronic form; some of the universities are in a preliminary stage and going through digitisation. Dr. Babasaheb Ambedkar Marathwada University, Aurangabad get status 4th number university in Shodhganga by continuous efforts and University library is uploading continuously theses in Shodhganga as it is an endless process.

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