

## Contribution of Dr. Babasaheb Ambedkar Marathwada University in Indian Ph.D. Theses Repository: Shodhganga

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**Abstract:** - *Information and Library network-INFLIBNET introduce the project Shodhganga for collection, maintenance and dissemination of theses submitted to Indian universities by research scholars. This paper aimed to analysis and attempt to find out the status of Universities from Maharashtra in Shodhganga special reference to Dr. Babasaheb Ambedkar Marathwada University, (BAMU) Aurangabad. Present study has to know BAMU contribution of top ten universities in uploading of theses and study has also focus on year wise growth of universities in Memorandum of Understanding (MoU) with INFLIBNET and its contribution of subject wise theses in Shodhganga electronic theses and dissertation (ETD).*

**Keywords :** ETD India, Electronic Theses Dissertation in India, Shodhganga, IFLIBNET, Dr. Babasaheb Ambedkar Marathwada University, Library, Aurangabad.

### INTRODUCTION

THESES are an important part of information resource in any University. In India access to theses are generally limited to the University community. The UGC Notification (Minimum Standards & Procedure for Award of M.Phil. / Ph.D. Degree, Regulation, 2009) dated 1st June 2009 mandates 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. As per the Regulation, the responsibility of hosting,

maintaining and making the digital repository of Indian ETD called "Shodhganga", accessible to all institutions and universities, is assigned to the INFLIBNET Centre

Shodhganga is repository of Ph.D. theses of India on network. Shodhganga has become a trusted digital theses repository having 470 participants' uploaded 234591 theses. Dr. Babasaheb Ambedkar Marathwada University, Aurangabad get status 9th number university in Shodhganga by continuous efforts and University library is uploading continuously theses in Shodhganga as it is a continuous process.

## **INFLIBNET**

Information and Library Network (INFLIBNET) Centre is an autonomous Inter-University Centre of the University Grants Commission (UGC) of India. It is a major National Programme initiated by the UGC in 1991 with its Head Quarters at Gujarat University Campus, Ahmedabad. Now this center is situated in Gandhinagar, Ahmedabad, Gujarat. Initially started as a project under the IUCAA, it became an independent Inter University Centre in 1996. INFLIBNET is involved in modernizing university and higher education institution libraries in India and connecting them as well as information centers in the country through network using modern technologies for the optimum utilization of information. INFLIBNET is set out to be a major player in promoting scholarly communication among academicians and researchers in India. (INFLIBNET, 2019)

INFLIBNET has introduce different type of activities and services to complete the objectives through the library development programme and support services to higher education in India. According to Devi and Singh it is necessary to equip library manpower with all the knowledge, skills, and capabilities needed to handle library operations in the new digital environment. (Devi & Singh, 2006). Though INFLIBNET taking an effort to develop and equip skilled manpower in present era.

National Library and Information Services Infrastructure for Scholarly Content (N-LIST) project started jointly executed by the UGC-

INFONET Digital Library Consortium, INFLIBNET Centre and the INDEST-AICTE Consortium, IIT Delhi. INFLIBNET is also contributed in Subject gate way INFOPORTAL from 2014 and E-Pathshala project, which is introduced by Government of India. As per the observation of Karan and Das INFLIBNET centre is a boon of Indian Higher education. In the development of higher education INFLIBNET's role is very important from the post independent period. (Karn & Das, 2014)

## **SHODHGANGA**

Shodhganga stands for the reservoir of Indian research output in the form of Ph.D. theses stored in a repository hosted and maintained by the INFLIBNET Centre. Shodhganga stands for the reservoir of Indian intellectual output stored in a repository hosted and maintained by the INFLIBNET Centre. DSpace open source Digital repository software is used for maintenance and recording of resources in Shodhganga. DSpace which uses internationally recognized protocols and interoperability standards. Shodhganga provides a platform for Indian Universities/ Institutions to deposit their Ph.D. theses and make it available to the entire scholarly community in open access. The repository has the ability to capture, index, store, disseminate and preserve ETDs submitted by the researchers to their institutions.

Current status of Shodhganga is 470 universities across India have signed Memorandum of Understanding with INFLIBNET for contribution their theses in

Shodhganga. Till date 19<sup>th</sup> July 2019, 412 universities are uploading more than 234591 theses in Shodhganga and giving their contribution. This project is very important for the researcher. Theses and dissertations are known to be the rich and unique source of information. Such type of databases has save money, time and repetition of research work. It will also help researcher to avoid duplication.

### **THESES UPLOADING PROCEDURE AND PLAN IN SHODHGANGA**

It is proposed to regularize the flow of current data relating to the Ph.D. theses, added to the university library. The methods suggested to participating universities are to send the data on a quarterly basis and take up retrospective conversion work in parallel and complete the same. Many universities started digitization of old these. The idea of E- Theses and Dissertations (ETD) is coming up in International scenario, which can easily be located, readily accessible and delivered over the web. INFLIBNET, as an ambitious program, is aiming at the fulfillment of information needs, by all possible means, and marching towards for a digital divide free society.

First of all university should apply and Signed MoU of Shodhganga with INFLIBNET Centre. After approval of INFLIBNET university staff and coordinator should attain the training program, which is organized by INFLIBNET. University Coordinator to communicate with the University and the Centre. INFLIBNET centre assigned password and ID, emails etc. to project coordinator. As per the UGC notification

2009/2016 researcher should compulsory to submit the softcopy of theses on CD. University should collect PhD theses in print as well as CD form. The CD Submission is compulsory for all Ph.D. student. The university library should upload such CD's which is made available in the prescribed format given by INFLIBNET. INFLIBNET has to used DSpace software for maintaining bibliographical standards that's why universities are mandatory to verify and collect theses in pdf file format on CD. Many university libraries undertaken digitization of printed theses for uploading on shodhganga. Urkund anti plagiarism software is used by INFLIBNET for checking of plagiarism and provided to theses universities to check plagiarism. University libraries can check the plagiarism before submission of theses by the researcher and then accept it. Veer, Dharmaraj & Khiste (2016)

### **OBJECTIVES OF THE STUDY**

1. To know Shodhganga repository.
2. To know the rank of Dr. BAMU in top ten universities in Shodhganga.
3. To find out the current position of Dr. BAMU in state universities in Maharashtra.
4. To know the department wise contribution of theses in Shodhganga by Dr.BAMU.

### **SCOPE**

Scope of present study is Indian theses repository namely Shodhganga. It was selected for study. 470 universities are identified MoU with INFLIBNET for this theses repository on 19 July 2019. Access date of Shodhganga is up to 19 July

2019. This study has analyzed scenario of Shodhganga with special reference to contribution of state universities and Dr. BAMU from Maharashtra. Present study has selected all type of universities like state universities, Central Universities, Open Universities, Deemed universities Government, Aided and private. Agricultural universities contribution is not found in Shodhganga from Maharashtra.

**RESEARCH METHODOLOGY data collection and analysis**

Present study has used descriptive research method. The data for the present study was collected from the Shodhganga repository from <https://shodhganga.inflibnet.ac.in>. Study has also specially focused on uploading contribution of Dr.BAMU. This study has used tables and charts to analyze the data.

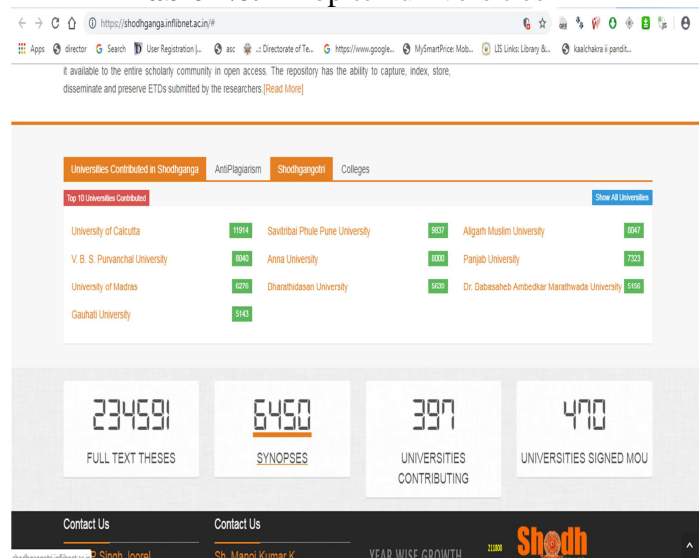
**DATA FINDINGS & INTERPRETATIONS**

**Top Ten universities: (19.7.2019)**

Top Ten Universities is basis on universities contribution of theses uploading. There are 470 universities are participated in Shodhganga with MoU to INFLIBNET and contributed 234591 theses by 397 universities. We know which university uploaded maximum theses in Shodhganga by these top ten universities contribution on their website default screen.

Sr. No	Name of the University	Uploaded Theses
1.	University of Calcutta	11914
2.	Savitribai Phule Pune University	9837
3.	Aligarh Muslim University	8047
4.	V. B. S. Purvanchal University	8040
5.	Anna University	8000
6.	Panjab University	7323
7.	University of Madras	6276
8.	Bharathidasan University	5639
9.	Dr. Babasaheb Ambedkar Marathwada University	5156
10.	Gauhati University	5143

**Table No. 1 Top ten universities**



<https://shodhganga.inflibnet.ac.in/#> (19.7.2019)

**Figure No.1 Top Ten Universities Shodhganga**

Table and Figure No. 1 shows that, top ten universities are in India uploaded theses on Shodhganga ETD. Calcutta University ranked first with uploading 11914 (5.07% at India) theses in shodhganga ETD. Rank second is achieved by Savitribai Phule Pune University Pune form Maharashtra with contributing of 9837 (4.19%) theses in Shodhganga ETD. Dr. Babasaheb Ambedkar Marathwada University, Aurangabad is

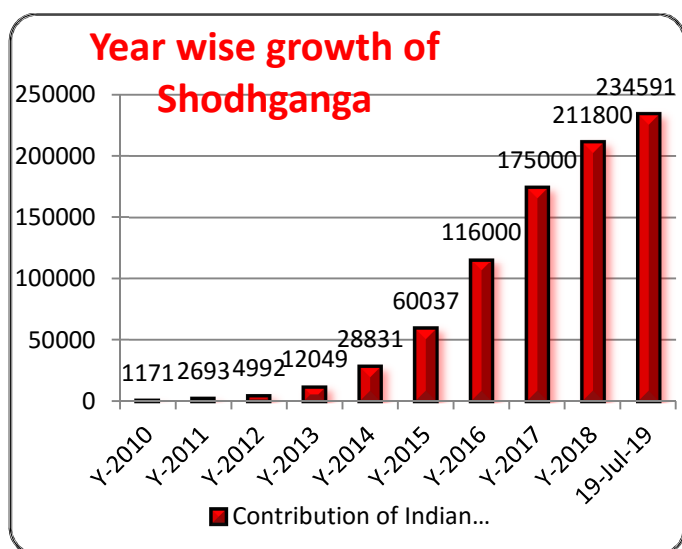
in Top Ten University with ninth rank uploading 5156 (2.19%) theses.

**Year wise growth of ETD in Shodhganga**

Table and Figure No.3. Shows that, last ten years uploaded theses in Shodhganga.

SrNo	Year	Contribution of Indian Universities in ETD
1.	2010	1171
2.	2011	2693
3.	2012	4992
4.	2013	12049
5.	2014	28831
6.	2015	60037
7.	2016	116000
8.	2017	175000
9.	2018	211800
10.	2019 July 19 <sup>th</sup>	234591

**Table No. 2** Year wise growth of ETD in Shodhganga (<https://shodhganga.inflibnet.ac.in/>)



**Figure No.2** Year wise growth of ETD in Shodhganga

Table and Figure No. 2 shows that last ten year 234591 theses submitted in shodhganga i.e. from 2010 to 2019 (till date 19.7.2019). It is year wise growth of Indian universities in uploading of

Electronic Theses in Shodhganga. Growth of theses is rapidly day by day.

**University wise contribution of theses in Shodhganga from Maharashtra**

The author has compiled the data with the help of Shodhganga website to find out quantum of state universities in Maharashtra those are uploading their PhD theses in Shodhganga. The related data is analyzed accordingly their contribution and presented in Table No.4.

Sr. No	Name of the University	No. of theses uploaded
1.	Savitribai Phule Pune University, Pune	9837
2.	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	5156
3.	Shivaji University, Kolhapur	3642
4.	Swami Ramanand Teerth Marathwada University, Nanded	3585
5.	SNDT Womens University, Mumbai	1009
6.	Sant Gadge Baba Amravati University, Amravati	956
7.	North Maharashtra University, Jalgaon	277
8.	Solapur University, Solapur	183
9.	University of Mumbai, Mumbai	144
10.	Kavikulaguru Kalidas Sanskrit University, Ramtek	72
11.	Maharashtra Animal and Fishery Sciences University, Nagpur	17
12.	Dr. Babasaheb Ambedkar Technological University, Lonere	6
13.	Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur	1
Total:-		<b>24885</b>

Table No. 3 State University wise contribution of theses in Shodhganga from Maharashtra

Table No. 3 shows that, 13 state universities have participated in ETD and they have signed MoU with Shodhganga. These universities contributed 24885 (10.60%) in Shodhganga from Maharashtra up to 19.7.2019. Savitribai Phule Pune University ranked first with uploading 9837 (4.19% at all India and 39.52 in Maharashtra) theses. Dr. Babasaheb Ambedkar Marathwada University Aurangabad ranked second with contribution of 5156 (2.19% at all India and 20.71% at Maharashtra level) theses in shodhganga. Lowest only one Ph.D. Theses uploaded into Shodhganga by three Universities/ Institute i.e. Krishna Institute of Medical Sciences Deemed University, Karad and Yashwantrao Chavan Maharashtra Open University, Nashik and R. T. M. Nagpur University, Nagpur.

**Department wise Theses uploaded**

University has 46 departments and offered higher degree i.e. Ph.D. for students. Following table shows department wise contribution of theses in Shodhganga.

Sr. No	Department	Uploaded Theses
1.	Department of Zoology	660
2.	Department of Botany	439
3.	Department of Chemistry	386
4.	Department of Hindi	370
5.	Department of Economics	321
6.	Department of Marathi	316
7.	Department of Physics	298
8.	Department of English	281
9.	Department of Commerce	251
10.	Department of Political Science	188

11.	Department of Education	176
12.	Department of Physical Education	125
13.	Department of History	122
14.	Department of Psychology	122
15.	Department of Sociology	110
16.	Department of Management Science	105
17.	Department of Environmental Science	94
18.	Department of Mathematics	94
19.	Department of Geography	84
20.	Department of Statistics	78
21.	Department of Computer Science and Information Technology	64
22.	Department of Public Administration	62
23.	Department of Biochemistry	57
24.	Department of Library & Information Science	57
25.	Department of Engineering & Technology	47
26.	Department of Journalism & Mass Communication	45
27.	Department of Law	36
28.	Department of Microbiology	36
29.	Department of Pharmacy	30
30.	Department of Geology	15
31.	Department of Pali & Buddhism	14
32.	Department of Home Science	13
33.	Department of Sanskrit	11
34.	Department of Chemical Technology	8
35.	Department of Tourism Administration	8
36.	Department of Music	6
37.	Department of Biotechnology	5
38.	Department of Social Work	5
39.	Department of Biophysics	4
40.	Department of Urdu	4
41.	Department of Arabic	3
42.	Department of Fine Arts	2
43.	Department of Biology	1
44.	Department of Dramatics	1

45.	Department of Foster Development	1
46.	Department of Nanotechnology	1
<b>Total</b>		<b>5156</b>

Table No. 4 Department wise analysis of Ph.D.

theses uploaded in Shodhganga

Tables No. 4 shows that department of Zoology, Botany, Chemistry has submitted the highest numbers of theses 660, 439, 386 respectively and its ranked first, second and third respectively. It is also clear from the Tables that maximum numbers of departments have submitted two digit number of theses in Shodhganga. This university has signed MoU on 2013 and has been started uploading theses in shodhganga. Dr. BAMU contributed 5156 theses of 46 departments from last 7 years i.e. 2013 to 2019.

#### Language wise contribution of theses

Following table shows language wise contribution of theses of Dr. BAMU

Sr. No.	Language	Number of uploaded Theses
1.	English	3765
2.	Other	1252
3.	Marathi	90
4.	Hindi	43
5.	Kannada	2
6.	Urdu	2
7.	Gujrat	1
8.	Sanskrit	1
<b>Total:</b>		<b>5156</b>

**Table No. 5 Language wise contribution of theses**

Table No. 5 shows that language wise contribution in Shodhganga by Dr. BAMU. The 3765 theses uploaded in English language, 1252

theses uploaded in other language, 90 and 40 theses submitted in Marathi and Hindi language respectively. Kannada, Urdu and Gujrati, Sanskrit language are 2 and 1 respectively. Majority of theses submitted in English language i.e. 3765.

#### FINDINGS

- Calcutta University ranked first with uploading 11914 theses in shodhganga. Rank second is achieved by Savitribai Phule Pune University Pune with contributing of 9837 and Dr. Babasaheb Ambedkar Marathwada University, Aurangabad is also in Top Ten university with ninth rank uploading 5156 theses.
- Indian universities contributed 234591 theses in shodhganga from last ten years i.e. from 2010 to 2019 (till date 19.7.2019). Growth of theses is increased day by day.
- These state universities have uploaded 24885 (10.60) theses up to 19.7.2019. Savitribai Phule Pune University ranked first with uploading 9837 (4.19% at all Indian and 39.52% at Maharashtra level) theses. Second rank with 5156 (2.19% at all India and 20.71% at Maharashtra level) theses contribution by Dr. Babasaheb Ambedkar Marathwada University Aurangabad
- Department of Zoology, Botany, Chemistry has submitted the highest numbers of theses 660, 439, 386 respectively. Dr. Babasaheb Ambedkar

Marathwada University Aurangabad uploaded 46 departments' theses i.e. 5156.

- The 3765 theses uploaded in English language, 1252 theses uploaded in other language, 90 and 40 theses submitted in Marathi and Hindi language respectively. Majority of theses submitted in English language i.e. 3765.

## CONCLUSION

Shodhganga is project of INFLIBNET for collecting the theses and dissertations from Indian universities. Shodhganga is a boon for the research community. Shodhganga bring into light the hidden knowledge contained in the theses and dissertations. It is E-thesis repository in India providing open access to ETDs in various disciplines from across the nation. Shodhganga has become a reliance digital repository having a number of participants. A number of universities have now begun to accept electronic submission of theses & dissertation and then post these documents to Shodhganga. ETD repositories are becoming a major resource for in all subject and avoiding duplication in research work, ensuring quick retrieval of information, promoting resource sharing. INFLIBNET has started developing a complete national union catalogue of ETDs in India.

## REFERENCES

1. INFLIBNET. (2019). About us. Available at <https://www.inflibnet.ac.in/about/> (Accessed on 17 July 2019)
2. Shodhganga: a reservoir of Indian theses. (2019) Available at

<http://shodhganga.inflibnet.ac.in> (Accessed on 17 July 2019)

3. University Grants Commission (UGC). (2019) Consolidated List of All Universities. <https://www.ugc.ac.in/oldpdf/Consolidated%20olist%20of%20All%20Universities.pdf> (Accessed on 19 July 2019)
4. Devi, P., & Singh, S. (2006) Role of UGC in Manpower Development in the field of Library and Information Science in India. *Annals of Library and Information Studies*, 53. 147. Available at <http://nopr.niscair.res.in/bitstream/123456789/6023/4/ALIS%2053%283%29%20143-148.pdf> (Accessed on 19 July 2019)
5. Karn, S. K., & Das, B. K. (2014) Information and Library Network (INFLIBNET) :A Boon for Higher Education in India. *ICAL* p. 698-700. Available at <http://nopr.niscair.res.in/bitstream/123456789/6023/4/ALIS%2053%283%29%20143-148.pdf> (Accessed on 19 July 2019)
6. Veer, Dharmaraj K. and Khiste, Gajanan. (2016) Shodhganga Repository A Comparative Study with Special Reference to Dr BabasahebAmbedkarMarathwada University Aurangabad. 3<sup>rd</sup> National Conference iETD, Gandhinagar, INFLIBNET Centre,. Available at [https://www.researchgate.net/publication/313250021\\_Shodhganga\\_Repository\\_A\\_Comparative\\_Study\\_with\\_Special\\_Reference\\_to\\_Dr\\_BabasahebAmbedkarMarathwada\\_University\\_Aurangabad](https://www.researchgate.net/publication/313250021_Shodhganga_Repository_A_Comparative_Study_with_Special_Reference_to_Dr_BabasahebAmbedkarMarathwada_University_Aurangabad) (Accessed on 20 July 2019)



7. Das, K. & Saikia, N.K. (2014). Shodhganga Repository: A Comparative Study with Special Reference to the Universities of Assam. 9th Convention PLANNER- (2014) 348-368. Assam: Dibrugarh University. Available at <http://ir.inflibnet.ac.in:8080/ir/bitstream/1944/1793/1/42.pdf> (Accessed on 19 July 2019)