CURRENT SCENARIO OF SHODHGANGA ETD: SPECIAL REFERENCE TO MAHARASHTRA

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Abstract: - *Present study has to know 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 their contribution of theses in Shodhganga electronic theses and dissertation (ETD). This study has analyzed current scenario of Shodhganga with special reference to contribution of universities in Maharashtra. This study has selected all type of universities like state universities, Central Universities, Open Universities, Deemed universities.*

Keywords: ETD India, Electronic Theses Dissertation in India, Shodhganga, IFLIBNET

INTRODUCTION

Higher Education institutions are major contribution to generation and dissemination of knowledge. They have core contribution into growth of knowledge. Ph.D. theses are very significant source of research information. Large numbers of theses are producing every year by research institutions and universities. Academics and research communities are interested in to find out development of subject by knowing of such type of research work. Therefore INFLIBNET has taking efforts to collect organize and make available research work on network. Shodhganga is repository of Ph.D. theses of India on network.

INFLIBNET

For decentralization and maintenance of standardization UGC has established different type centers, one of them is 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, Gujrat. 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 fulfill the aims and objectives are made by UGC and MHRD the time of establishment of centre. 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. INFLIBNET started Union catalogue of Books, serials, theses, experts and research projects. Its name is IndCat (Online union catalogue of Indian Universities). INFLIBNET develop the SOUL library automation software for the each type of libraries. INFLIBNET is also contributing human resource development process and organize seminar, workshops, and trainings to the institutions, colleges, and universities to train their library staff. 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, 2009)

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. The Sanskrit word "Shodh" for discovery and research. The "Ganga" is the longest and holiest rivers in Indian. The Ganga is the symbol of India's age-long culture and civilization, ever-changing, ever-flowing, ever-loved and valued by its people. Shodhganga stands for the reservoir of Indian intellectual output stored in a repository hosted and maintained by the INFLIBNET Centre.

Current status of Shodhganga is 470 universities across India have signed Memorandum of Understanding with INFLIBNET for contribution their theses in Shodhganga. Till date 19th July 2019, 412 universities are uploading more than 234591 theses in Shodhganga and giving their contribution.

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 (Electronic Theses and Dissertations) submitted by the researchers to their institutions.

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.

REVIEW OF LITERATURE:

Vijayakumar J.K., Hosamani H. G. and Murthy T.V. (2003) have also depicts the purpose, benefits and coverage of theses and dissertation database of INFLIBNET. Ganesan A., (2016) found 58 percentage of users are familiar with using of INFLIBNET ETD Shodhganga. He organized suty on on User Awareness of INFLIBNET In Etd Shodhganga. Veer Dharmaraj K. and Khiste, Gajanan (2016) are discussed uploading strategy of theses and contribution of Maharashtra in Shodhganga. Das & Saikia (2014) examine that only 03 universities have joined Shodhganga out of 13 universities. These 3 universities contribution is also very poor. Study of ETD contribution in Shodhganga from West Bengal was conducted by Esh (2015). In his study

he analysed the university contribution and MoU, etc.

OBJECTIVES OF THE STUDY

1. To find out current scenario of Shodhganga.
2. To find out contribution of top ten universities in uploading of theses.
3. To know the year wise universities MoU with INFLIBNET.
4. To know the year wise growth of theses in shodhganga.
5. To know the number of universities participated in ETD Shodhganga from Maharashtra.
6. To find out university wise number of ETD uploaded in Shodhganga from Maharashtra.

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 universities in 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 Mahrashtra.

RESEARCH METHODOLOGY

Present study has used descriptive research method for analyzing data collected from INFLIBNET website. (http://www.inflibnet.ac.in) on 19 July 2019,

DATA COLLECTION AND ANALYSIS

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 universities from Maharashtra regional. This study has used tables and charts to analyze the data.
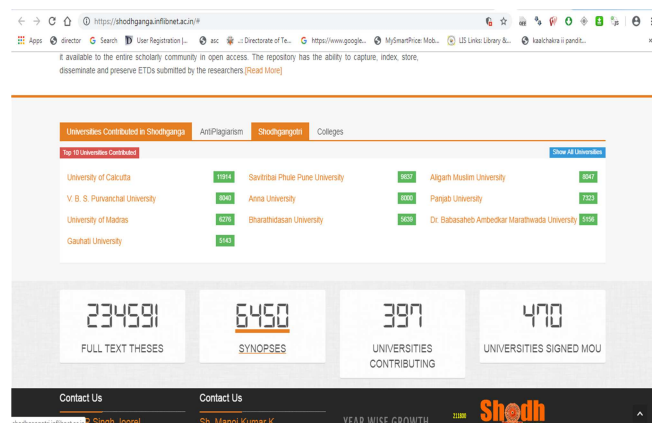
DATA FINDINGS & INTERPRETATIONS

Top Ten universities: (19.7.2019)

INFLIBNET is displaying Top Ten Universities. It is basis on universities contribution of theses uploading. There are 470 universities are participated in Shodhganga with MoU to INFLIBNET. 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	5156
	Marathwada University	
10.	Gauhati University	5143

Table No. 1 Top ten universities

Source https://shodhganga.inflibnet.ac.in/# (date 19.7.2019)

Figure No.1 Screen shot of available information regarding 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% at all Indian and 36.06% at Maharashtra level) theses in Shodhganga ETD. Dr.Babasaheb Ambedkar Marathwada University, Aurangabad is also from Maharashtra in Top Ten university with ninth rank uploading 5156 theses. These two universities are contribution their best in Top Ten ranking of uploading work from Maharashtra.

Year wise participation and MoU of Indian Universities in Shodhgnaga
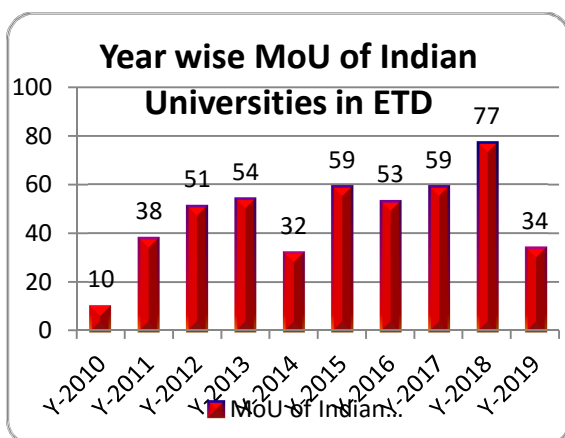
INFLIBNET have procedure of Memorandum of Understanding for Universities

to participate in Shodhgnga ETD. After that MoU INFLIBNET is providing guidelines and training for program coordinator at university level. INFLIBNET is using open source digital repository software called DSpace. How many universities MoU with INFLIBNET for contribution of their ETD in Shodhganga is shown year wise in Table No.2.

Year	MoU of Indian Universities in ETD
2010	10
2011	38
2012	51
2013	54
2014	32
2015	59
2016	53
2017	59
2018	77
2019	34
Total All	467

https://shodhganga.inflibnet.ac.in/newmoredetails/mou.html

Table No.2 Year wise participation and MoU of Indian Universities

Figure No. 2 Year wise participation and MoU of Indian Universities

Table and Figure No. 2 shows that, 467 Indian universities MoU with INFLIBNET for contribution of their ETD in Shodhganga since last ten years i.e. 2010 to 19.7.2019.
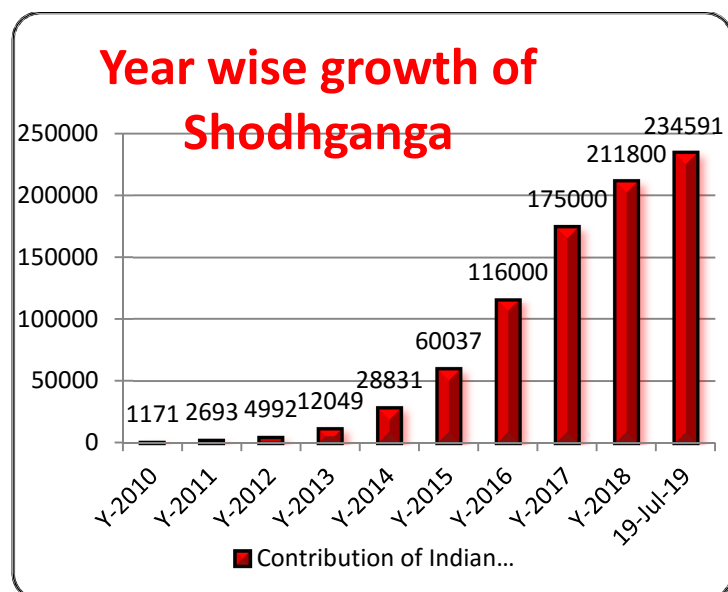
Year wise growth of ETD in Shodhganga
Table and Figure No.3. Shows that, last ten years uploaded theses in Shodhganga.

Sr. NO.	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 19th	234591

https://shodhganga.inflibnet.ac.in/

Table No. 3 Year wise growth of ETD in Shodhganga

Figure No.3 Year wise growth of ETD in Shodhganga

Table and Figure No. 3 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 increased day by day.

University wise contribution of theses in Shodhganga from Mahrashtra

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. Different type o universities are contributed in Shodhganga from Maharashtra. These universities are State, Deemed, Central and Open. The related data is analyzed accordingly their contribution and presented in Table No.4.

Sr. No.	Name of the Univeristy	No. of Theses Uploaded
STATE UNIVERSITIES		
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
		24885
STATE OPEN UNIVERSITY		
14.	Yashwantrao Chavan Maharashtra Open University, Nasik	1
		1
CENTRAL UNIVERSITY		
15.	Mahatma Gandhi Antarrashtriya Hindi Vishwavidyalaya, Wardha	58
		58
DEEMED UNIVERSITY-GOVERNMENT		
16.	Homi Bhabha National Institute, Mumbai	342
17.	International Institute for	78

	Population Sciences IIPS, Mumbai	
18.	Institute of Chemical Technology, Mumbai	37
		457
DEEMED UNIVERSITY- AIDED		
19.	Tilak Maharashtra Vidyapeeth, Pune	677
20.	Tata Institute of Social Sciences, Mumbai	344
21.	Gokhale Institute of Politics and Economics, Pune	4
		1025
DEEMED UNIVERSITY-PRIVATE		
22.	Bharati Vidyapeeth Deemed University, Pune	290
23.	Symbiosis International University, Pune	206
24.	Narsee Monjee Institute of Management Studies, Mumbai	121
25.	Dr. D Y Patil Vidyapeeth, Mumbai	64
26.	Deccan College Post Graduate And Research Institute, Pune	63
27.	The Datta Meghe Institute of Medical Sciences, Nagpur	51
28.	MGM Institute of Health Sciences, Mumbai	22
29.	Pravara Institute of Medical Sciences, Ahmednagar	16
30.	Dr. D. Y. Patil Medical College, Kolhapur (D. Y. Patil Education Society)	15

31.	Krishna Institute of Medical Sciences University, Karad	1
	Total	**849**
	Grand Total	**27275**

Table No. 4 **University wise contribution of theses in Shodhganga from Mahrashtra**

It can be observed from above Table No.4 the 31 universities have participated in ETD and they have signed MoU with Shodhganga. Out of 31 universities 13 state universities, 10 deemed universities contributed 24885 (10.60%) and 849 theses in Shodhganga from Maharashtra respectively. Contribution of all universities from Maharashtra is 27275 (11.62%) in Indian ETD Shodhganga up to 19.7.2019. Savitribai Phule Pune University ranked first with uploading 9837 (4.19% at all Indian and 36.06% at Maharashtra level) theses. Dr.Babasaheb Ambedkar Marathwada University Aurangabad ranked second with contribution of 5156 (2.19% at all India and 18.90% 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 YashwantraoChavan Maharashtra Open University, Nashik and R. T. M. Nagpur University, Nagpur.

FINDINGS

- Calcutta University ranked first with uploading 11914 theses in shodhganga. Rank second is achieved by Savitribai Phule Pune University Pune form Maharashtra with contributing of 9837 and Dr.Babasaheb Ambedkar Marathwada University, Aurangabad is also from Maharashtra in Top Ten university with ninth rank uploading 5156 theses.

- Last ten years 467 Indian universities MoU with INFLIBNET for contribution of their ETD in Shodhganga.

- 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.

- Theses contribution of 13 state universities are 24885 (10.60%) and all universities contribution are 27275 (11.62% at India level) from maharashra.

- These 31 universities have uploaded 27275 (11.62% at India level) theses up to 19.7.2019. Savitribai Phule Pune University ranked first with uploading 9837 (4.19% at all Indian and 36.06% at Maharashtra level) theses. Second rank with 5156 (2.19% at all India and 18.90% at Maharashtra level) theses contribution by Dr.Babasaheb Ambedkar Marathwada University Aurangabad

CONCLUSION

Shodhganga is project of INFLIBNET for collecting the theses and dessertations 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. Almost all universities are participated in Shodhganga ETD. Calcutta University ranked first with uploading 11914 theses in Shodhganga. Rank second and ninth is achieved by Savitribai Phule Pune University Pune form Maharashtra with contributing of 9837 (4.19%) theses and Dr.Babasaheb Ambedkar Marathwada University, Aurangabad with contributing 5156 (2.19%) theses from Maharashtr. The 31 universities and institutions are contributed and signed MoU for Shodhganga/INFLIBNET from Maharashtra. These 31 universities have uploaded 27275 (11.62%) theses up to 19.7.2019. Shodhganga facilitates quick retrieval of information and helps in avoiding duplication of research work. It also helps the researcher to understand various themes of research.

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