

Shodhganga Repository: A Comparative Study with Special Reference to the Universities of Assam

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Abstract

Gives a clear picture about ETD repositories of India. Provides the basic information about the Shodhganga repository. Attempts to find out the status of universities of Assam registered in Shodhganga. On basis of this, the paper presents a comparative study among the universities of Assam about their status and contribution to Shodhganga. Concludes that Electronic Theses and Dissertations (ETDs) are a positive development in graduate education, allowing broader exposure of graduate student research and opportunities for new forms of creative scholarship.

Keywords: Institutional Repository, Electronic Theses and Dissertations (ETD), Shodhganga

1. Introduction

The revolution in the IT sector is influencing the information industry and has revolutionized the concept of libraries where it has been used extensively to record, store and disseminate the information in the digital form. Each and every library, step-by-step, shifts over to this dimension to meet the demand put on it. And to fulfill the demands of the users, a new concept "Institutional Repository (IR)" is developed. An IR is nothing but a digital archive of intellectual works of an institute particularly a research institute. The repositories are categories according to the type of content archived such as e-journals, e-theses, datasets, books, multimedia, etc. Theses and dissertations are often recognized as the only source for research work. The printed and hard copies are converted into digital form and put them in databases to retrieve them for the benefit of the research scholars. Due to the various benefits of ETDs, they are gaining importance over the traditional print format as a result in India Univer-

sity Grant commission took an initiative for developing common repositories for the theses collection alone which brought the born of the Shodhganga repository.

2. Aims and Objectives

The basic aims and objectives of the study are :

- ❖ To give a clear picture about ETD repositories of India,
- ❖ To provide the basic information about the Shodhganga repository,
- ❖ To find out the status of universities of Assam registered in Shodhganga, and
- ❖ To make a comparative study among the universities of Assam about their status and contribution to Shodhganga.

3. ETD Repositories in India

The Online Dictionary of Library and Information Science has defined electronic theses and dissertations (ETDs) as "The master's theses and PhD dissertations submitted in digital form rather in print



on paper, as opposed to those submitted in hard copy and subsequently converted to machine readable format.”

A recent study reveals that Central Library IIT, Bombay initiated ETD project in 1999 for the first time in India followed by Vidyanidhi at Mysore University in the year 2000 and so on. The information

on ETD repositories in the world has mainly been collected from the Registry of Open Access Repositories (ROAR) and the Directory of Open Access Repositories (open DOAR). From the study, it has been found that out of 245 E-theses repositories across the world, the number from India is 25 which are registered under ROAR and Open DOAR respectively.

Table -1 E-Theses Repositories in India

Sl.No	Repository	Host	Subjects Covered
1	EPrints@NCCR http://www.nccr.iitm.ac.in/	National Centre for Catalysis Research (NCCR)	Chemistry and Chemical Technology
2	Eprints@CMFRI http://eprints.cmfri.org.in/	Central Marine Fisheries Research Institute (CMFRI)	Agriculture, Food and Veterinary; Biology and Biochemistry; Ecology and Environment; Health and Medicine
3	Dyuthi (Digital repository of Cochin University of Science & Technology) http://dyuthi.cusat.ac.in	Cochin University of Science & Technology (CUSAT)	Multidisciplinary
4	DSpace @ GGSIPU 14.139.60.216:8080/xmlui/	Guru Gobind Singh Indraprastha University, India	Multidisciplinary
5	DSpace@IIMK http://dspace.iimk.ac.in/	Indian Institute of Management Kozhikode (IIMK), India	Business and Economics
6	dspace @ sdmcet http://210.212.198.149:8080/jspui/	SDM College Of Engineering and Technology Dharwad, India	Chemistry and Chemical Technology; Technology General; Civil Engineering; Computers and IT; Electrical and Electronic Engineering; Mechanical Engineering and Materials; Library and Information Science
7	Digital Library@CUSAT http://dspace.cusat.ac.in/jspui/	Cochin University of Science & Technology (CUSAT)	Multidisciplinary
8	DSpace@Vidyanidhi http://dspace.vidyanidhi.org.in:8080/dspace/	University of Mysore	Multidisciplinary
9	DSpace@TU http://dspace.thapar.edu:8080/dspace/	Thapar University	Multidisciplinary
10	EPrints@IIT Delhi http://eprint.iitd.ac.in/dspace	Indian Institute of Technology, Delhi	Multidisciplinary
11	Eprints@IARI http://eprints.iari.res.in/	Indian Agricultural Research Institute (IARI), India	Agriculture, Food and Veterinary
12	Eprint@NML http://eprints.nmlindia.org/	National Metallurgical Laboratory, India	Chemistry and Chemical Technology; Technology General

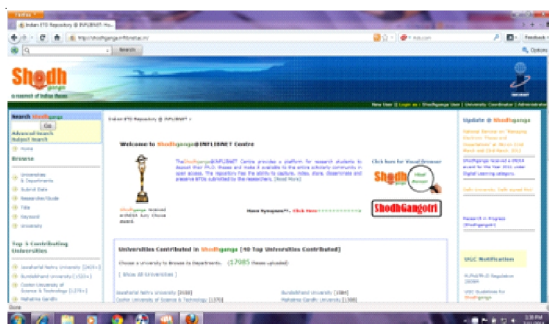
13	ETD@IISc http://etd.ncsi.iisc.ernet.in/	Indian Institute of Science, Bangalore	Multidisciplinary
14	DSpace@IIA http://prints.iap.res.in/	Indian Institute of Astrophysics	Physics and Astronomy
15	Kautilya@igidr http://oii.igidr.ac.in:8080/dspace/index.jsp	IGIDR Library, Indira Gandhi Institute of Development Research(IGIDR), India	Multidisciplinary
16	KNoor (Knowledge Repository Open Network) http://dspace.uok.edu.in:8080/dspace/	Department of Library & Information Science, University of Kashmir	Science General; Agriculture, Food and Veterinary; Health and Medicine; Technology General
17	Librarians' Digital Library https://drtc.isibang.ac.in/	Documentation Research and Training Centre (DRTC), Indian Statistical Institute, Bangalore Centre (ISI)	Library and Information Science
18	Mahatma Gandhi University Theses Online http://www.mgutheses.org/	Mahatma Gandhi University	Multidisciplinary
19	NAL Repository http://nal-ir.nal.res.in/	Information Centre for Aerospace Science and Technology (ICAST), India	Mathematics and Statistics; Technology General; Mechanical Engineering and Materials
20	National Chemical Laboratory http://dspace.ncl.res.in/	National Chemical Laboratory	Chemistry and Chemical Technology
21	Open Access Repository of Indian Theses http://eprints.csirexplorations.com/	CSIR Unit for Research and Development of Information Products	Biological Sciences, Earth Sciences, Physical Sciences, Communications, Education, Philosophy, Arts, Social Sciences
22	ShodhGanga: A reservoir of Indian Theses http://shodhganga.inflibnet.ac.in/	Information and Library Network Center (INFLIBNET)	Multidisciplinary
23	Dspace@NITR http://dspace.nitrkl.ac.in/dspace/	National Institute of Technology Rourkela, India	Chemistry and Chemical Technology; Physics and Astronomy; Mechanical Engineering and Materials
24	DU Eprint Archive http://www.du.ac.in/index.php?id=4	University of Delhi	Multidisciplinary
25	DRS@nio http://drs.nio.org/drs/index.jsp	NICMAS (NIO library), National Institute Of Oceanography (NIO)	Science General; Technology General; Arts and Humanities Genera

4. Shodhganga- At A Glance

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 dis-

sertations to the academic community world-wide. Online availability of electronic theses through centrally-maintained digital repositories, not only ensure easy access and archiving of Indian doctoral theses but will also 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, ever-changing, 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 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 platform for research scholars to deposit their Ph.D. theses and make it avail-

able 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.

DSpace supports “Open Archives Initiative’s Protocol for Metadata Harvesting” (OAI-PMH) and uses a qualified version of the Dublin Core schema for its metadata. The INFLIBNET Centre promotes setting-up of institutional and ETD repositories in member universities using OAI-PMH compliant software. A number of member universities have already set-up their institutional and ETD repositories using either DSpace or other OAI-PMH compliant Institutional Repository software. It would be possible for universities having sufficient network and computing infrastructure to maintain their own ETD repositories wherein their research scholars could deposit e-version of their theses and dissertations. Moreover, they can use Shodhganga to host their theses as backup archives. INFLIBNET Centre, besides maintaining the Central ETD Repository (Shodhganga) would also deploy a central server to harvest the Metadata from all such ETD repositories distributed in universities with an aim to provide unified access to theses and dissertations through its harvesting server. Shodhganga receives e-India Jury Choice Award for the year 2011 under Digital Learning Category.

The list of Universities that contributed in Shodhganga is attached as **Appendix 1**.

4.1 Features of Shodhganga

Shodhganga provides simple search and advanced search option to access theses. It also includes the browsing options like community/collection, authors, title, subjects and date. The repository contains any useful links and highlighting a list of recent submission and links to other ETD services of

India. It provides step by step submission of theses. The repository has also incorporated with Web 2.0 applications such as RSS feeds.

4.2 Creation of Metadata and Uploading Thesis into Shodhganga

INFLIBNET, to maintain Shodhganga, has established a central server to harvest the metadata from all ETD repositories located in universities. It aims to provide unified access to theses through its harvesting server. The repository permits the submitter to create metadata for his/her thesis.

INFLIBNET Centre has simplified the submission process with one-page one-form submission with almost all mandatory fields. While some of the fields can be selected from drop down box and other field should be filled with care. For example, in Title text box, first letter is in capital and all other letters are in small case except proper nouns. [Show All Universities]

5. Benefits of Joining in Shodhganga

The UGC vide its Notification (Minimum Standards & Procedure for Award of .Phil. / Ph.D Degree, Regulation, 2009) dated 1st June 2009 (Appendix-I) provides for submission of electronic version of theses and dissertation by the researchers in universities in Shodhganga maintained by the INFLIBNET Centre. Universities that sign MoU with the INFLIBNET Centre and mandate submission of electronic version of their theses and dissertation to Shodhganga may get financial assistance from the UGC for digitizing their back-files of theses. Besides, UGC may also provide financial assistance to the INFLIBNET Centre for subscription to software tools that detect plagiarized portion of theses and dissertations. Access to software designed to detect plagiarism will be provided to universities that sign MoU with the INFLIBNET Centre for Shodhganga.

In times to come, ETDs would become more commonplace, grant-giving agencies and accreditation bodies like AICTE, UGC and NAAC would make judgments regarding innovative universities by taking note of their initiatives such as ETDs and IRs.

Furthermore, plagiarism is a major concern in the area of research which results in the poor quality of research. Proper software tools are now available to detect and deter plagiarism. The increased visibility of theses and dissertations through open access repositories would further act as a deterrent to plagiarism. Moreover, it will attract other organizations in India and abroad to collaborate with Indian universities on topics of mutual interests. Besides, availability of formidable number of theses through a single repository would facilitate the INFLIBNET Centre to launch alerting and analytical services deploying data mining and other technology tools.

6. Memorandum Of Understanding (MOU) for SHODHGANGA

Universities are required to sign a MoU with the INFLIBNET Centre to participate in the Shodhganga project. This MoU spells out the responsibilities of Universities and INFLIBNET Centre related to Shodhganga. Based on the agreement, INFLIBNET Centre would recommend to UGC for the release of Grants earmarked for the Shodhganga project during XI Plan Period.

Based on this, State-wise distribution of universities that signed MoU in Shodhganga are attached as **Appendix 2**

7. Contribution Of Universities Of Assam To Shodhganga

In the entire north-eastern region of India, universities in the state of Assam are considered to be the most productive and leading institutions of higher education. Assam is a multicultural state and its uni-

universities play the pioneering role of visualizing its diverse tradition. With excellent faculty and administration, the state universities generate a learning ambiance for the aspirants all across the country.

There are a total of sixteen universities in Assam including two Central Universities and three private universities.

Table- 2 List of Universities of Assam

Sl. No.	Name of the University	Year of Establishment	Research Work Started	Status	Joined Shodhganga
1	Gauhati University, Guwahati	1948	Yes	State University	Yes
2	Dibrugarh University, Dibrugarh	1965	Yes	State University	No
3	Assam Agricultural University, Jorhat	1969	Yes	State University	No
4	Assam University, Silchar	1994	Yes	Central University	Yes
5	Tezpur university, Tezpur	1994	Yes	Central University	Yes
6	Assam Don Bosco University, Guwahati	2009	Yes	Private University	No
7	Bodoland University, Kokrajhar	2009	No	State University	No
8	Srimanta Sankardeva University of Health Sciences, Guwahati	2009	Yes	State University	No
9	K.K.Handique State Open University, Guwahati	2009	Yes	State Open University	No
10	Assam down town University	2010	Yes	Private university	No
11	National Law University and Judicial Academy, Assam	2010	No	State University	No
12	Assam Rajiv Gandhi University of Co operative Management, Sivsagar	2010	No	State University	No
13	Assam Science and Technology University	2010	No	State University	No
14	Cotton College State University, Guwahati	2011	No	State University	No
15	Kumar Bhaskar Verma Sanskrit and Ancient Studies University Nalbari	2011	Yes	State University	No
16	Kaziranga University, Jorhat	2012	No	Private University	No

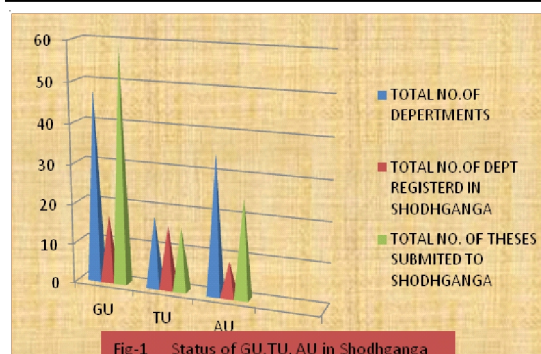
From the Table 2, it is clear that among the 16 universities of Assam, there are only 6 universities where research work has not yet started. The Table also shows that Assam Down Town University and Assam Don Bosco University are those private universities where research work is going on. But the important point that can be noticed from the Table is that though ten universities of Assam have been carrying out the research work still only three universities have been registered in Shodhganga. These universities are Gauhati University (GU), Gauhati; Assam University (AU), Silchar; and Tezpur University (TU), Tezpur.

7.1 Status of GU, TU, AU in Shodhganga: A comparative study

The Table 3 shows that GU has the highest numbers of departments and it is the GU that has been submitted highest number of theses (59) in Shodhganga, whereas though TU has the lowest number of departments, yet almost 50% departments have been registered in Shodhganga which is a good sign. In case of AU, it has thirty five departments but only sixteen departments have been registered in Shodhganga and 36 theses have been submitted. From this Table, it is clear that most of the departments of GU and AU are not registered with Shodhganga in comparison to TU.

Table- 3 Status of GU,TU, AU in Shodhganga

Sl. No.	Name of the university	Total no. of departments	Total no. of Dept registered in Shodhganga	Total no. of theses submitted to Shodhganga
1	GU	48	17	59
2	AU	35	16	36
3	TU	18	9	16



Again if an analysis is made on basis of the departments registered in Shodhganga, then, following information has been sketched out. (Table 4)

Table -4 Theses submitted to Shodhganga by the departments under GU

Sl. No.	Name of the dept (under GU) registered in Shodhganga	No. of Theses submitted
1	Department of Bengali	1
2	Department of Biotechnology	6
3	Department of Botany	4
4	Department of Chemistry	4
5	Department of Commerce	4
6	Department of Computer Science and Application	1
7	Department of Economics	7
8	Department of Electronics and Communication Technology	3
9	Department of English	2
10	Department of Geography	5
11	Department of Geological Science	1
12	Department of Library & Information Science	5
13	Department of Mathematics	8
14	Department of Philosophy	4
15	Department of Physics	1
16	Department of Political Science	2
17	Department of Zoology	1

Source: <http://shodhganga.inflibnet.ac.in/handle/10603/12989>, date: 14/07/14

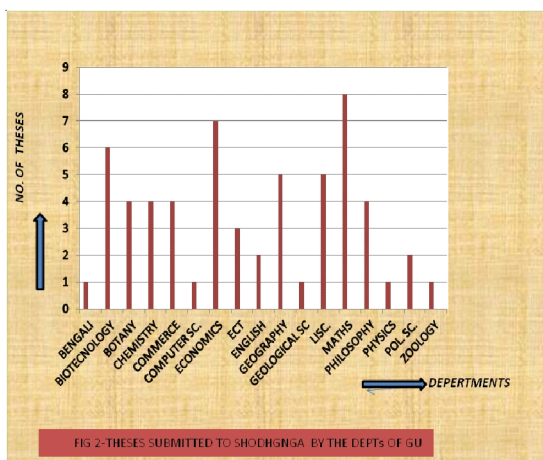


Table 5: Theses submitted to Shodhganga by the departments under AU

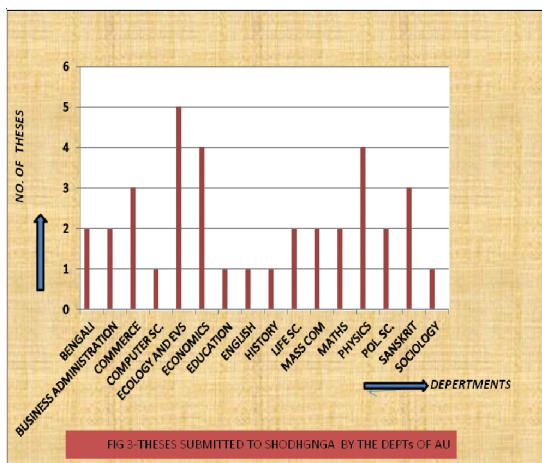
Sl. No.	Name of the dept (under AU) registered in Shodhganga	No. of theses submitted
1	Department of Bengali	2
2	Department of Business Administration	2
3	Department of Commerce	3
4	Department of Computer Science	1
5	Department of Ecology and Environmental Science	5
6	Department of Economics	4
7	Department of Education	1
8	Department of English	1
9	Department of History	1
10	Department of Life Science	2
11	Department of Mass Communication	2
12	Department of Mathematics	2
13	Department of Physics	4
14	Department of Political Science	2
15	Department of Sanskrit	3
16	Department of Sociology	1

Source:<http://shodhganga.inflibnet.ac.in/handle/10603/12989>,date: 14/07/14

Table -6 Theses submitted to Shodhganga by the departments under TU

Sl. No.	Name of the dept (under TU) registered in Shodhganga	No. of theses submitted
1	Department of Business Administration	1
2	Department of Chemical Sciences	2
3	Department of Computer Science and Engineering	1
4	Department of Energy	2
5	Department of English and Foreign Languages	1
6	Department of Environmental Science	2
7	Department of Mathematical Sciences	5
8	Department of Molecular Biology and Biotechnology	1
9	Department of Physics	1

Source:<http://shodhganga.inflibnet.ac.in/handle/10603/12989>,date: 14/07/14



From the Tables 4 to 6 and the Figures 2 to 4, it is clear that seventeen numbers of departments under GU, sixteen numbers of departments under AU and nine numbers of departments under TU have been registered in Shodhganga. Again, from the seven-

teen of departments under GU, 59 theses; sixteen departments under AU, 36 theses; and nine departments under TU, 16 theses have been submitted in Shodhganga,

The Tables and Figures also show that under GU, the Mathematics department has submitted the highest numbers of theses (8), and in case of AU and TU, the departments that have submitted highest number of theses in Shodhganga are Ecology & Environmental Science and Mathematical Science respectively. It is also clear from the Tables that maximum numbers of departments under all the three universities have submitted only one or two theses in Shodhganga.

8. Findings

From the study, it is clear that The Shodhganga@INFLIBNET Centre provides a platform for research students 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. From the study, it is also clear that Shodhganga is helping to avoid duplication of research work, ensuring quick retrieval of information, and providing a permanent solution of the space.

The study also reveals that a total number of 162 universities all over India are contributing in Shodhganga by submitting their research work and out of these universities, JNU, New Delhi occupies the top rank by submitting the highest number of theses. (**Appendix 1**)

Though Assam has sixteen universities, but only three universities have been registered in Shodhganga and this can be easily seen from the Table 1. The reason behind this situation is still unknown. It may be due to lack of interest of the uni-

versities/ departments or lack of awareness of the research scholars / guides.

The Tables 3, 4, 5 & 6 also show an unsatisfactory picture of the three surveyed universities. Though GU is the oldest university of Assam, having the highest numbers of departments, yet the contribution is not enough. Likewise, the other two universities which are the only central universities of Assam are also not so much interested in submitting their theses to Shodhganga, though Shodhganga provides an unique platform for the e-theses.

9. Suggestions

Some suggestions regarding the study has been put forwarded which are latest but not the least.

- ❖ ETD is a new generation of theses and dissertations that can include colour diagrams, colour images, hypertext link audio, video, animation etc. Shodhganga should take initiative in this regard.
- ❖ ETD awareness programme- promotional activities provide understanding of the issues and options and can encourage cooperation among institutions that are planning or have implemented ETD programmes.
- ❖ More workshops and training programmes for for both students and faculty need to be conducted on issues of copyright, choices of access by INFLIBNET, which will encourage the researchers to submit their theses online.
- ❖ The institutional library professionals should also concern about Shodhganga and other ETD projects. They can give a lecture to the faculties / students about the needs of e-theses and thus they can create awareness among the users about Shodhganga.
- ❖ Articles/ Seminar papers regarding Shodhganga should be published in various

The list of Universities that Contributed in Shodhganga

1. Acharya Nagarjuna University [235]
2. Alagappa University [2]
3. Aligarh Muslim University [282]
4. Allahabad University [0]
5. Amity University [1]
6. Amrita Vishwa Vidyapeetham (University) [51]
7. Andhra University [150]
8. Annamalai University [0]
9. Anna University [739]
10. Assam University [36]
11. Avinashilingam Deemed University for Women [63]
12. Baba Ghulam Shah Badshah University [1]
13. Babasaheb Bhimrao Ambedkar University [0]
14. Banaras Hindu University [1]
15. Banasthali Univesity [1]
16. Bangalore University [0]
17. Berhampur University [0]
18. Bharathiar University [2]
19. Bharathidasan University [342]
20. Bharath University [20]
21. B S Abdur Rahman University [5]
22. Bundelkhand University [1584]
23. Chaudhary Charan Singh University [375]
24. Chaudhary Sarwan Kumar Himachal Pradesh Krishi Vishvavidyalaya [56]
25. Chhatrapati Sahuji Maharaj University [1]
26. Cochin University of Science & Technology [1370]
27. Dayalbagh Educational Institute [65]
28. Deccan College Post Graduate And Research Institute [7]
29. Deendayal Upadhyaya University [0]
30. Devi Ahilya Vishwavidyalaya [3]
31. Dravidian University [1]
32. Dr. Babasaheb Ambedkar Marathwada University [49]
33. Dr. Harisingh Gour Vishwavidhyalay [49]

34. Dr. Ram Manohar Lohia Avadh University [0]
35. D Y Patil University [4]
36. Forest Research Institute University [15]
37. Gauhati University [64]
38. Goa University [237]
39. Graphic Era University [6]
40. Gujarat Ayurveda University [5]
41. Gujarat Forensic Sciences University [2]
42. Gujarat University [62]
43. Gujarat Vidyapith [16]
44. Gulbarga University [17]
45. Guru Ghasidas University [74]
46. Gurukul Kangri Vishwavidyalaya [1]
47. Guru Nanak Dev University [181]
48. Hemchandracharya North Gujarat University [1]
49. Hemwati Nandan Bahuguna Garhwal University [1]
50. Himachal Pradesh University [27]
51. Homi Bhabha National Institute [133]
52. ICFAI Foundation for Higher Education [1]
53. Indian Institute of Foreign Trade [5]
54. Indian School of Mines [15]
55. Institute of Chemical Technology [23]
56. Integral University [37]
57. International Institute of Information Technology Bangalore [3]
58. Jadavpur University [3]
59. Jai Narain Vyas University [2]
60. Jain Vishwa Bharati University [8]
61. Jamia Hamdard University [57]
62. Jamia Milia Islamia University [0]
63. Jawaharlal Nehru Technological University, Anantapuram [111]
64. Jawaharlal Nehru Technological University, Hyderabad [370]
65. Jawaharlal Nehru University [3155]
66. Jaypee Institute of Information Technology [47]
67. Jaypee University of Engineering & Technology, Guna [18]
68. Jaypee University of Information Technology, Solan [55]
69. JECRC University [0]

70. Jiwaji University [114]
71. JSS University [14]
72. Kadi Sarva Vishwavidyalaya [5]
73. Kannur University [70]
74. Karnataka State Womens University [10]
75. Karnataka Veterinary, Animal and Fisheries Sciences University [102]
76. Karnatak University [104]
77. Karunya University [40]
78. KLE University [14]
79. Krishna Institute of Medical Sciences University [1]
80. Kumaun University [43]
81. Kurukshetra University [51]
82. Kuvempu University [3]
83. Lakshmibai National University of Physical Education [102]
84. Lovely Professional University [0]
85. Madhya Pradesh Bhoj (Open) University [1]
86. Madurai Kamraj University [0]
87. Magadh University [2]
88. Maharaja Krishnakumarsinhji Bhavnagar University [102]
89. Maharaja Sayajirao University of Baroda [83]
90. Maharashtra Animal and Fishery Sciences University [7]
91. Maharishi Markandeshwar University [99]
92. Maharshi Dayanand Saraswati University [0]
93. Maharshi Dayanand University [213]
94. Mahatma Gandhi Antarrashtriya Hindi Vishwavidyalaya [1]
95. Mahatma Gandhi Chitrakoot Gramodaya Vishwavidyalaya [1]
96. Mahatma Gandhi University [1308]
97. Manav Rachna International University [2]
98. Mangalayatan University [3]
99. Mangalore University [4]
100. Manipal University [150]
101. Manipur University [22]
102. Manonmaniam Sundaranar University [230]
103. MATS University [2]
104. Maulana Azad National Urdu University [0]
105. Mewar University [0]

106. Mizoram University [20]
107. Mohan Lal Sukhadia University [1]
108. Mother Teresa Womens University [59]
109. Nagaland University [0]
110. Narsee Monjee Institute of Management Studies [39]
111. Netaji Subhas Open University [1]
112. Nirma University [31]
113. North-Eastern Hill University [41]
114. North Eastern Regional Institute of Science and Technology (NERIST) [2]
115. North Maharashtra University [2]
116. Osmania University [18]
117. Padamshree Dr. D Y Patil Vidyapeeth [2]
118. Pandit Dwarka Prasad Mishra Indian Institute of Information Technology, Design and Manufacturing [1]
119. Panjab University [11]
120. Patna University [2]
121. Periyar Maniammai University [4]
122. Periyar University [223]
123. Pondicherry University [696]
124. Prist University [11]
125. Pt. Ravishankar Shukla University [22]
126. Punjabi University [335]
127. Punjab Technical University [33]
128. Rajiv Gandhi University [0]
129. Rani Durgavati Vishwavidyalaya [1]
130. Rashtrasant Tukadoji Maharaj Nagpur University [1]
131. Sam Higginbottom Institute of Agriculture, Technology and Sciences [7]
132. Sant Gadge Baba Amravati University [176]
133. Sant Longowal Institute of Engineering and Technology [14]
134. Sardar Patel University [83]
135. SASTRA University [15]
136. Saurashtra University [281]
137. Saveetha University [3]
138. Shivaji University [187]
139. Shobhit University [1]
140. Shoolini University of Biotechnology and Management Sciences [14]

141. Shri Jagdishprasad Jhabarmal Tibarewala University [247]
142. Shri Lal Bahadur Shastri Rashtriya Sanskrit Vidyapeetha [3]
143. Shri Mata Vaishno Devi University [20]
144. Siksha 'O' Anusandhan University [6] Singhania University [1]
145. SNDT Womens University [95]
146. Sree Sankaracharya University of Sanskrit [35]
147. Sri Krishnadevaraya University [71]
148. Sri Padmavathi Womens University [39]
149. Sri Ramachandra University [65]
150. Sri Venkateswara University [0]
151. SRM University [54]
152. St. Peter's University [7]
153. Suresh Gyan Vihar University [57]
154. Swami Ramanand Teerth Marathwada University [1]
155. Swami Vivekananda Yoga Anusandhana Sanstana [22]
156. Symbiosis International University [24]
157. Tamilnadu Physical Education and Sports University [12]
158. Tamil University [5]
159. Tata Institute of Social Sciences [68]
160. Teerthanker Mahaveer University [2]
161. Teri University [25]
162. Tezpur University [16]
163. The Gandhigram Rural Institute [59]
164. The ICFAI University [1]
165. The IIS University [4]
166. The Tamilnadu Dr Ambedkar Law University [2]
167. The University of Burdwan [7]
168. Tilak Maharashtra Vidyapeeth [132]
169. Tripura University [6]
170. University of Agricultural Sciences, Bangalore [14]
171. University of Calcutta [1]
172. University of Calicut [272]
173. University of Delhi [85]
174. University of Hyderabad [418]
175. University of Jammu [0]
176. University of Kalyani [1]

177. University of Kashmir [77]
178. University of Kerala [76]
179. University of Lucknow [1]
180. University of Madras [1]
181. University of Mumbai [1]
182. University of Mysore [139]
183. University of North Bengal [1]
184. University of Pune [290]
185. University of Rajasthan [0]
186. U P Rajarshi Tondon Open University [16]
187. Utkal University [2]
188. V. B. S. Purvanchal University [10]
189. Veer Narmad South Gujarat University [54]
190. Vels University [25]
191. Vel Tech Dr. R R & Dr. S R Technical University [6]
192. Visva Bharti University [6]
193. V O Chidambaram College of Education [1]
194. West Bengal University of Technology [5]

Note : Zero contribution means that universities are registered into Shodhganga but not yet contributed.

Appendix 2

State-wise distribution of universities that signed MoU in Shodhganga

Sr. No.	University Name	State	Signed On	Anti-Plagiarism Provided
1	Mahatma Gandhi University, Kottayam	Kerala	19th March 2010	Yes
2	Pondicherry University, Puducherry	Pondicherry	30th August 2010	Yes
3	Central University of Rajasthan, Ajmer	Rajasthan	13th September 2010	Yes
4	Sri Venkateswara University, Tirupati	Andhra Pradesh	25th October 2010	Yes
5	Cochin University of Science & Technology, Cochin	Kerala	28th October 2010	Yes
6	Guru Nanak Dev University, Amritsar	Punjab	28th October 2010	Yes
7	Tamil University, Thanjavur	Tamil Nadu	2nd November 2010	Yes
8	Institute of Chemical Technology, Mumbai	Maharashtra	20th November 2010	Yes
9	Bharathidasan University, Tiruchirappally	Tamil Nadu	25th November 2010	Yes
10	Sri Krishnadevaraya University, Anantpur	Andhra Pradesh	12 November 2010	Yes
11	Calicut University, Kerala	Kerala	3rd January 2011	Yes
12	Manonmaniam Sundaranar University, Tirunelveli	Tamil Nadu	3rd January 2011	Yes
13	Guru Ghasidas Vishwavidyalaya, Bilaspur	Chattisgarh	20th February 2011	Yes
14	North-Eastern Hill University, Shillong	Meghalaya	9th March 2011	Yes
15	Tata Institute of Social Sciences, Mumbai	Maharashtra	9th March 2011	Yes
16	University of Hyderabad, Hyderabad	Andhra Pradesh	14th March 2011	Yes
17	V.B.S Purvanchal University, Jaunpur	Uttar Pradesh	15th March 2011	Yes
18	Manipur University, Imphal	Manipur	17th March 2011	Yes
19	Periyar University, Salem	Tamil Nadu	28th March 2011	Yes
20	University of Kashmir, Srinagar	Jammu and Kashmir	30th March 2011	Yes
21	University of Pune, Pune	Maharashtra	27th April 2011	Yes
22	Guru Gobind Singh Indraprastha University, New Delhi	New Delhi	4th May 2011	Yes
23	Central University of Gujarat, Gandhinagar	Gujarat	4th May 2011	Yes
24	University of North Bengal, Darjeeling	West Bengal	7th June 2011	Yes
25	Kannur University, Kannur	Kerala	28th June 2011	Yes
26	Tamil Nadu Physical Education And Sports University*	Tamil Nadu	4th July 2011	Not Eligible
27	Prist University, Thanjavur*	Tamil Nadu	5th July 2011	Not Eligible
28	Integral University, Lucknow*	Uttar Pradesh	7th July 2011	Not Eligible
29	Periyar Maniammai University, Thanjavur*	Tamil Nadu	11th July 2011	Not Eligible
30	Sant Longowal Institute of Engineering and Technology, Longowal*	Punjab	13th July 2011	Not Eligible
31	Shri Jagdishprasad Jhabarmal Tibrewala*	Rajasthan	14th July 2011	Not Eligible
32	Gauhati University, Guwahati	Assam	18th July 2011	Yes

33	Karnatak University, Dharwar	Karnatak	20th July 2011	Yes
34	Tilak Maharashtra Vidyapeeth, Pune	Maharashtra	20th July 2011	Yes
35	The WB National University of Juridical Sciences, Kolkata	West Bengal	4th August 2011	Yes
36	Christ University, Bangalore*	Karnataka	11st August 2011	Not Eligible
37	The Tamil Nadu Dr. Ambedkar Law University, Chennai	Tamil Nadu	12st August 2011	Yes
38	Jawaharlal Nehru Technological University, Hyderabad	Andhra Pradesh	12st August 2011	Yes
39	Amrita Vishwa Vidyapeetham University, Coimbatore*	Tamil Nadu	23rd August 2011	Not Eligible
40	Jaypee Institute of Information Technology, Noida*	Uttar Pradesh	16th September 2011	Not Eligible
41	Shivaji University, Kolhapur	Maharashtra	26th Sepetember 2011	Yes
42	Assam Don Bosco University, Guwahati*	Assam	27th Sepetember 2011	Not Eligible
43	Bundelkhand University, Jhansi	Uttar Pradesh	13th October 2011	Yes
44	Manipal University, Manipal*	Karnataka	20th October 2011	Not Eligible
45	Pt. Ravishankar Shukla University, Raipur	Chhattisgarh	14th November 2011	Yes
46	Jawaharlal Nehru University, New Delhi	New Delhi	23rd December 2011	Yes
47	Krishna Kanta Handiqui State Open University, Guwahati*	Assam	23rd December 2011	Not Eligible
48	B.S.Abdur Rahman University, Chennai*	Tamil Nadu	28th December 2011	Not Eligible
49	Hindustan University, Chennai*	Tamil Nadu	11th January 2012	Not Eligible
50	Kumaun University Nainital	Uttarakhand	24th January 2012	Yes
51	Maharshi Dayanand University, Rohtak	Haryana	21st February 2012	Yes
52	Sikkim University, Gangtok	Sikkim	1st March 2012	Yes
53	Sambalpur University, Jyoti Vihar	Orissa	6th March 2012	Yes
54	Dayalbag Educational Institute, Agra*	Uttar Pradesh	16th March 2012	Yes
55	Sri Ramachandra University, Porur*	Tamil Nadu	26th March 2012	Not Eligible
56	Mohanlal Sukhadia University, Udaipur	Rajasthan	10th April 2012	Yes
57	Narsee Monjee Institute of Management Studies, Mumbai*	Maharashtra	21st April 2012	Not Eligible
58	Central University of Punjab, Bathinda	Punjab	19th May, 2012	Yes
59	Bharathiar University, Coimbatore	Tamil Nadu	21st May, 2012	Yes
60	Lovely Professional University, Jalandhar*	Punjab	1st June, 2012	Not Eligible
61	Gujarat University, Ahmedabad	Gujarat	4th June 2012	Yes
62	University of Mysore, Mysore	Karnataka	8th June 2012	Yes
63	Himachal Pradesh University, Shimla	Himachal Pradesh	9th July 2012	Yes
64	Avinashilingm Institute for home science and higher education for women, Coimbatore*	Tamil Nadu	17th July 2012	Yes
65	University of Kerala, Thiruvananthapuram	Kerala	20th July 2012	Yes
66	Central University of Himachal Pradesh, Dharamshala	Himachal Pradesh	2nd August 2012	Yes

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67	Goa University, Goa	Goa	13th August 2012	Yes
68	M.S.University of Baroda, Vadodara	Gujarat	22nd August 2012	Yes
69	Vel Tech Dr.RR & Dr.SR Technical University, Avadi*	Tamil Nadu	23rd August 2012	Not Eligible
70	S.N.D.T Women's University, Mumbai	Maharashtra	28th August 2012	Yes
71	Shri Mata Vaishno Devi University(SMVDU), Katra	Jammu and Kashmir	4th September 2012	Yes
72	Suresh Gyan Vihar University, Jaipur*	Rajasthan	19th September 2012	Not Eligible
73	Dr. Balasaheb Sawant Konkan Krishi Vidypeeth, Dapoli	Maharashtra	21st September 2012	Yes
74	Jiwaji University, Gwalior	Madhya Pradesh	3rd October 2012	Yes
75	Sant Gadge Baba Amravati University, Amravati	Maharashtra	9th October 2012	Yes
76	Mahatma Gandhi Antarrashtriya Hindi Vishwavidyalaya, Wardha	Maharashtra	9th October 2012	Yes
77	Aligarh Muslim University, Aligarh	Uttar Pradesh	9th October 2012	Yes
78	CSK Himachal Pradesh Agricultural University, Palampur	Himachal Pradesh	10th October 2012	Not Eligible
79	Karnataka Sanskrit University, Chamarajpet*	Karnataka	10th October 2012	Not Eligible
80	Karnataka State Women's University, Bijapur	Karnataka	10th October 2012	Yes
81	Vels University, Chennai*	Tamil Nadu	10th October 2012	Not Eligible
82	Jawaharlal Nehru Technological University, Kakinada	Andhra Pradesh	16th October 2012	Yes
83	Shiv Nadar University, Gautam Budh Nagar*	Uttar Pradesh	19th October 2012	Not Eligible
84	Acharya Nagarjuna University, Guntur	Andhra Pradesh	19th October 2012	Yes
85	Chennai Mathematical Institute, Siruseri*	Tamil Nadu	19th October 2012	Not Eligible
86	Jamia Hamdard University, Hamdard Nagar	New Delhi	25th October 2012	Yes
87	Mewar University, Chittorgarh*	Rajasthan	25th October 2012	Not Eligible
88	Ahmedabad University, Ahmedabad*	Gujarat	26th October 2012	Not Eligible
89	Jain University, Bangalore*	Karnataka	1st November 2012	Not Eligible
90	JK Lakshmi Pat University, Jaipur*	Rajasthan	5th November 2012	Not Eligible
91	Sree Sankaracharya University of Sanskrit, Kalady	Kerala	16th November 2012	Yes
92	TERI University, New Delhi*	New Delhi	20th November 2012	Not Eligible
93	Madurai Kamaraj University, Madurai	Tamil Nadu	22nd November 2012	Yes
94	The University of Burdwan, Bardhaman	West Bengal	23rd November 2012	Yes
95	Jayoti Vidyapeeth Women's University, Jaipur*	Rajasthan	6th December 2012	Not Eligible
96	Graphic Era University, Dehradun*	Uttarakhand	18th December 2012	Not Eligible
97	Jaypee University of Engineering & Technology, Guna*	Madhya Pradesh	19th December 2012	Not Eligible
98	Mangalayatan University, Aligarh*	Uttar Pradesh	19th December 2012	Not Eligible
99	Sardar Patel University, Vallabh Vidyanagar	Gujarat	27th December 2012	Yes
100	Gujarat Vidyapith, Ahmedabad	Gujarat	1st January 2013	Yes
101	Kushabhau Thakre Patrakarita Avam Jansanchar Vishwavidyalaya, Raipur*	Chhattisgarh	2nd January 2013	Not Eligible
102	Amity University, Noida*	Uttar Pradesh	2nd January 2013	Not Eligible

103	Rajendra Agricultural University, Pusa Samastipur	Bihar	3rd January 2013	Not Eligible
104	Delhi Technological University, New Delhi	New Delhi	8th January 2013	Yes
105	Tripura University, Agartala	Tripura	21st January 2013	Yes
106	Krishna Institute of Medical Sciences Deemed University, Karad*	Maharashtra	24th January 2013	Not Eligible
107	Assam University, Silchar	Assam	31st January 2013	Yes
108	IASE Deemed University, Churu*	Rajasthan	11th February 2013	Not Eligible
109	Mangalore University, Mangalagangotri	Karnataka	21st March 2013	Yes
110	Jawaharlal Nehru Technological University, Anantapur	Andhra Pradesh	25th March 2013	Yes
111	BPS Mahila Vishwavidyalaya, Khanpur Kalan	Haryana	28th March 2013	Yes
112	Maharaja Krishnakumarsinhji Bhavnagar University, Bhavnagar	Gujarat	28th March 2013	Yes
113	Anna University, Chennai	Chennai	8th April 2013	Yes
114	Maharishi Markandeshwar University, Mullana- Ambala*	Haryana	8th April 2013	Not Eligible
115	Hemchandracharya North Gujarat University, Patan	Gujarat	12th April 2013	Yes
116	Symbiosis International University, Pune*	Maharashtra	3rd May 2013	Not Eligible
117	St.Peter's University, Chennai*	Tamil Nadu	21st May 2013	Not Eligible
118	Osmania University, Hyderabad	Andhra Pradesh	27th May 2013	Yes
119	Ganpat University - Kherva, Mehsana*	Gujarat	4th June 2013	Not Eligible
120	Jaypee University of Information Technology, Solan*	Himachal Pradesh	5th June 2013	Not Eligible
121	International Institute of Information Technology, Hyderabad*	Andhra Pradesh	18th June 2013	Not Eligible
122	GLA University, Mathura*	Uttar Pradesh	8th July 2013	Not Eligible
123	Kuvempu University, Jnanasahyadri	Karnataka	8th July 2013	Yes
124	Defense Institute of Advanced Technology, Pune*	Maharashtra	11th July 2013	Not Eligible
125	Chhatrapati Shahu Ji Maharaj University, Kanpur	Uttar Pradesh	11th July 2013	Yes
126	ICFAI University Jharkhand*	Jharkhand	12th July 2013	Not Eligible
127	Gulbarga University, Gulbarga	Karnataka	24th July 2013	Yes
128	Shoolini University, Solan*	Himachal Pradesh	24th July 2013	Not Eligible
129	Tezpur University, Tezpur	Assam	1st August 2013	Yes
130	Banasthali Vidyapeeth, Jaipur*	Rajasthan	1st August 2013	Yes
131	Swami Ramanand Teerth Marathwada University, Nanded	Maharashtra	7th August 2013	Yes
132	Gujarat Forensic Sciences University, Gandhinagar*	Gujarat	8th August 2013	Not Eligible
133	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	Maharashtra	12th August 2013	Yes
134	JSS University, Mysore*	Karnataka	2nd September 2013	Not Eligible
135	Sastra University, Thanjavur*	Tamil Nadu	3rd September 2013	Not Eligible
136	HNB Garhwal University, Srinagar	Uttarakhand	6th September 2013	Yes
137	Chettinad Academy of Research & Education, Kelambakkam*	Tamil Nadu	12th September 2013	Not Eligible
138	Nirma University, Ahmedabad*	Gujarat	13th September 2013	Not Eligible
139	GITAM University, Visakhapatnam	Andhra Pradesh	16th September 2013	Yes

140	Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya, Kanchipuram*	Tamil Nadu	19th September 2013	Yes
141	University of Rajasthan, Jaipur	Rajasthan	22nd September 2013	Yes
142	Dr. Babasaheb Ambedkar Technological University, Lonera	Maharashtra	26th September 2013	Yes
143	Mizoram University, Aizawl	Mizoram	17th October 2013	Yes
144	Monad University, Hapur*	Uttar Pradesh	23rd October 2013	Not Eligible
145	Doctor Harisingh Gour Vishwavidyalaya, Sagar	Madhya Pradesh	24th October 2013	Yes
146	International Institute for Population Science, Mumbai*	Maharashtra	25th October 2013	Not Eligible
147	Chaudhary Charan Singh University, Meerut	Uttar Pradesh	29th October 2013	Yes
148	Devi Ahilya Vishwavidyalaya, Indore	Madhya Pradesh	30th October 2013	Yes
149	Baba Ghulam Shah Badshah University, Rajouri	Jammu and Kashmir	14th November 2013	Yes
150	Noorul Islam Centre for Higher Education, Kanyakumari*	Tamil Nadu	4th December 2013	Not Eligible
151	The Gandhigram Rural Institute-Deemed University, Dindigul	Tamil Nadu	4th December 2013	Yes
152	Eternal University, Baru Sahib*	Himachal Pradesh	17th December 2013	Not Eligible
153	Jain Vishva Bharati Institute, Ladnun	Rajasthan	24th December 2013	Yes
154	Mother Teresa Women's University, Kodaikanal	Tamil Nadu	03rd January 2014	Yes
155	Swami Vivekananda Yoga Anusandhana Samsthana, Bengaluru*	Karnataka	16th January 2014	Not Eligible
156	RK University, Rajkot*	Gujarat	30th January 2014	Not Eligible
157	SRM University, Kattankulathur*	Tamil Nadu	3rd February 2014	Not Eligible
158	Deccan College Post Graduate & Research Institute, Pune*	Maharashtra	11th February 2014	Yes
159	Madhav University, Sirohi*	Rajasthan	12th February 2014	Not Eligible
160	University of Lucknow, Lucknow	Uttar Pradesh	27th February 2014	Yes
161	Siksha "O" Anusandhan University, Bhubaneswar*	Odisha	05th March 2014	Not Eligible
162	Shri Lal Bahadur Shastri Rashtriya Sanskrit Vidyapeetha, New Delhi	New Delhi	27th March 2014	Eligible
163	Visva Bharti University, Santiniketan	West Bengal	27th March 2014	Eligible
164	North Maharashtra University, Jalgaon	Maharashtra	10th April 2014	Eligible
165	The English and Foreign Language University, Hyderabad	Andhra Pradesh	15th April 2014	Eligible
166	The IIS University, Jaipur*	Rajasthan	16th April 2014	Not Eligible
167	Alagappa University, Karaikudi	Tamil Nadu	22nd April 2014	Eligible
168	Kalasalingam University, Krishnankoil*	Tamil Nadu	06th June 2014	Not Eligible
169	Koneru Lakshmaiah Education Foundation, Vaddeswaram*	Andhra Pradesh	09th June 2014	Not Eligible
170	Maharshi Dayanand Saraswati University, Ajmer	Rajasthan	10th June 2014	Eligible
171	Delhi University, Delhi	Delhi	18th June 2014	Eligible
172	D. Y. Patil University, Kolhapur	Maharashtra	2nd July 2014	Not Eligible