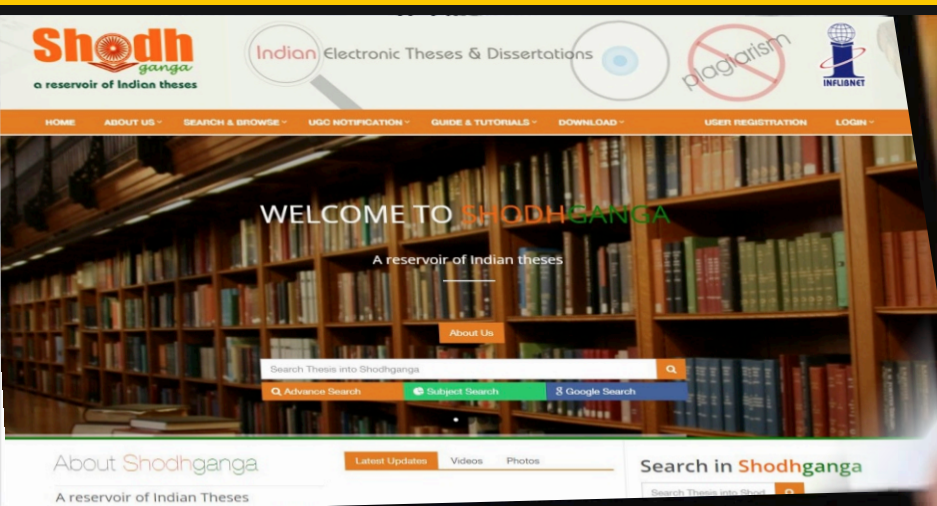


# Shodhganga

## Reservoir of Indian Electronic Theses & Dissertations



2,00,000  
FULL TEXT  
THESES

5050  
SYNOPSIS

343  
CONTRIBUTING  
UNIVERSITIES

394  
MOU SIGNED



Information and Library Network Centre  
Gandhinagar, Gujarat

## Introduction

Theses and dissertations are known to be the rich and unique source of information, often the only source for research work that does not find its way into various publication channels. As such, theses and dissertations remain an un-tapped and under-utilized asset, leading to unnecessary duplication and repetition that, in effect, is the anti-ethics of research and wastage of huge resources, both human and financial.

The UGC Notification (Minimum Standards & Procedure for Award of M.Phil./Ph.D Degree, Regulation, 2009 and amendment made on 5th May 2016 mandates submission of electronic version of theses and dissertations with an aim to facilitate its open access to the academic community world-wide. Online availability of electronic theses through centrally maintained digital repository, not only ensures easy access and archiving of Indian doctoral theses but also helps in raising the standard and quality of research. The open access to theses and dissertations would overcome the 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 setting-up, hosting and maintaining the digital repository and making it 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 (ETD) set-up by the INFLIBNET Centre as per UGC notification 2009/2016. Shodhganga stands for the reservoir of Indian intellectual output stored in a repository hosted and maintained by the INFLIBNET Centre. The word "Shodh" originates from Sanskrit and stands for research and discovery, Ganga is a holy and popular river with its root in Indian culture and civilization.

## Shodhganga @ INFLIBNET Centre

The Shodhganga @ INFLIBNET Centre is set-up using DSpace, an open source digital repository software, initially developed by MIT and HP, now updated and maintained by DuraSpace, a non-profit Organisation. The DSpace uses internationally recognized protocols and interoperability standards. The Shodhganga @ INFLIBNET Centre provides a platform for research scholars 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.



Shodhganga (<http://shodhganga.inflibnet.ac.in/>)

Shodhganga Repository at INFLIBNET replicates the academic structure of each university in terms of Departments/Centres and Colleges each university has. This structure facilitates research scholars from universities to deposit their theses in the respective Department / Centre/ College. Dspace supports "Open Archives Initiative's Protocol for Metadata Harvesting" (OAI-PMH) and uses a qualified version of the Dublin Core metadata schema. Shodhganga received the "e-INDIA Jury Choice Award" for the Best ICT Enabled Higher Education Institute of the Year 2011 from former Minister of HRD Smt. Smruti Irani and also the NDLT Leadership Award 2017.

## CC BY-NC-SA 4.0 Licence for Shodhganga

Licensing and copyright issues of Shodhganga were re-addressed and Creative Commons Attribution-Non Commercial-Share Alike 4.0 International (CC BY-NC-SA 4.0) License was adopted for use of content available in Shodhganga repository unless otherwise specified as per the details available at <https://creativecommons.org/licenses/by-nc-sa/4.0/>

## How do Universities Join Shodhganga @ INFLIBNET?

Universities can join "Shodhganga" by signing a Memorandum of Understanding (MoU) on Shodhganga with the INFLIBNET Centre. This MoU spells out the responsibilities of Universities and INFLIBNET Centre related to "Shodhganga". Responsibilities of

research scholars, universities and INFLIBNET Centre are elaborated at (<http://shodhganga.inflibnet.ac.in/moredetails/responsibility.html>). Universities signing the MoU are required to adopt UGC Regulations, 2009/2016 and mandate submission of electronic version of theses into "Shodhganga", by modifying their existing Ph.D ordinance or Ph.D guidelines. Copy of the MoU to be signed between universities and INFLIBNET Centre is available at:<http://shodhganga.inflibnet.ac.in/newmoredetails/ETD-MOU-Final.pdf>

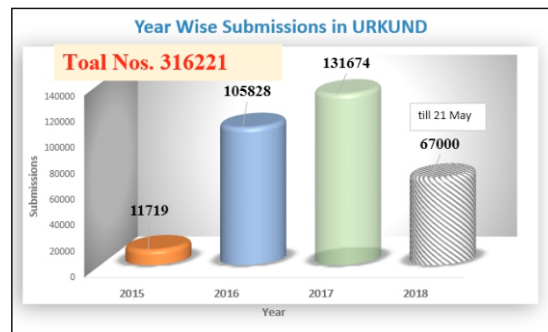
After adapting the UGC Notification, 2009/2016 and signing the MoU, university signatory to MoU with INFLIBNET Centre for Shodhganga are required to identify a senior academic professional (Librarian/Dean/Professor) who will work as University Coordinator to liaison between the INFLIBNET Centre and the University for the Shodhganga project.

## Access to Plagiarism Detection Software

Access to plagiarism detection software is provided to eligible Universities that have signed MoU with INFLIBNET Centre on Shodhganga. Universities covered under 12(B) and 2(f) sections of the UGC Act and are under direct purview of UGC are eligible for access to plagiarism detection software.

## Who can submit Theses into Shodhganga Repository?

Any research student from any university or deemed-to-be university in India can submit his/her thesis into Shodhganga on voluntary basis even if it is not mandated by their respective university, in the format prescribed by INFLIBNET Centre. While all universities covered under 12(B) and 2(f) Sections of the UGC Act are listed in "Shodhganga", provision is made to add other universities / deemed to be universities desirous of submitting their theses and dissertations. Theses can be submitted into the repository either by student himself, his supervisor or representative of the university. While online submission of electronic theses by researchers/supervisors or university's representatives as mandated by the university would be preferred, however, individual researchers are encouraged to submit their theses either online or off-line (through E-mail or CD/DVD) on voluntary basis till their respective university(ies) adopt and implement UGC Notification, 2009/2016.



## Submission Process: How to Submit?

The process of submission of theses in "Shodhganga" consists of the following six steps:

- **Registration/Login:** Submitter (student, his/her research supervisor or the authorized representative of the university) is required to register himself/herself on the "Shodhganga" website.
- **Validation of Account:** As soon as a submitter registers himself / herself, an e-mail alerts INFLIBNET Staff to validate the registered user and allow him/her to submit his/her thesis.
- **Submission of Content/Metadata by Registered User:** After validation of account, submitter is prompted to create metadata for his/her thesis and upload the content of his/her thesis chapter-wise using naming convention prescribed on Shodhganga.
- **Verification of Submitted Metadata and Content:** The metadata created and chapters uploaded by the submitter are verified for its completeness and correctness.
- **Publish on ETD Repository:** Once the metadata and uploaded content are verified for its completeness and correctness, staff at INFLIBNET Centre publishes the thesis in the ETD repository.
- **Intimation to Stakeholders:** Once full-text of thesis is published in the Shodhganga, all stakeholders, including researcher, guide(s) and the university will be informed through e-mail.

## Shodhganga Website: Features and Functionalities

- Open access repository of Indian theses for world-wide access;
- Customized ingestion interface for ease of submission of theses using DSpace;
- Integration with Theses Database of IndCat (with 2.74 Lakh bibliographic data); and
- Multi-lingual support for theses hosted in the repository. Hindi, Gujarati, Tamil, Sanskrit, Malayalam, Urdu, Marathi already enabled.

## Search and Browse @ Shodhganga

Shodhganga provides four types of searches in its homepage, i.e. simple search, advanced search, Google search and subject search. In addition, a subject-based browse and search interface is embedded into Shodhganga consisting of six 6 major subject categories at the first level and 28 subject categories at the second level. The major six subject categories are Arts and Humanities, Clinical, Pre-Clinical and Health, Engineering and Technology, Life Sciences, Physical Sciences and Social Sciences.

## Milestones

Shodhganga has grown both in terms of number of theses deposited in the repository as well as number of universities who have signed MoU with the INFLIBNET Centre. As in mid July 2018, 394+ universities have signed MoU with the INFLIBNET Centre and number of theses in the repository have grown to more than 1,96,000+ theses of 343 universities including CFTIs (Centrally Funded Technical Institutes, i.e. IITs, IIMs, NITs etc.) 14 CFTIs have signed MoU with INFLIBNET Centre on Shodhganga.

Date	Milestones
20 <sup>th</sup> May, 2010	First Thesis submitted
27 <sup>th</sup> December, 2010	1111 <sup>th</sup> Thesis uploaded by Prof. Sukhdeo Thorat, Hon'ble Chairman, UGC, New Delhi
23 <sup>rd</sup> October, 2013	10,000 <sup>th</sup> Thesis uploaded by Sri N. V. Satyanarayana, Chairman, Informatics India Ltd.
31 <sup>st</sup> March, 2014	15,000 <sup>th</sup> Thesis uploaded by Sri Pradeep Varma, Sr. Consultant, MHRD
21 <sup>st</sup> October, 2015	50,000 <sup>th</sup> Thesis uploaded by Prof. Ved Prakash, Hon'ble Chairman, UGC, New Delhi
5 <sup>th</sup> October, 2016	1,00,000 <sup>th</sup> Thesis uploaded by Prof. Anamik Shah, Vice Chancellor, Gujarat Vidyapeeth during 3 <sup>rd</sup> ETD Conference
2 <sup>nd</sup> August, 2017	1,55,555 <sup>th</sup> Thesis uploaded during CALIBER 2017@ Anna University
30 <sup>th</sup> June, 2018	1,95,000 <sup>th</sup> Thesis uploaded

## Subject Search

Find a subject in the controlled vocabulary:

Filter:

- ☐ INFLIBNET Subject Category for Shodhganga
  - ☐ Arts and Humanities
    - ☐ Arts and Recreation
    - ☐ Religion
    - ☐ Language
    - ☐ Literature
  - ☐ Clinical Pre Clinical and Health
    - ☐ Clinical Medicine
    - ☐ Psychiatry and Psychology
    - ☐ Pharmacology and Toxicology
  - ☐ Engineering and Technology
  - ☐ Life Sciences
  - ☐ Physical Sciences
  - ☐ Social Sciences

## Subject Search Interface of Shodhganga



## Shodhgangotri: Repository of Indian Research in Progress (<http://shodhgangotri.inflibnet.ac.in>)

Under the initiative called "Shodhgangotri", research scholars/ research supervisors in universities are requested to deposit an electronic version of approved synopses or research proposals submitted by the research scholars to the universities for registering themselves for the Ph.D programme. The repository on one hand, reveals the trends and directions of research being conducted in Indian universities, on the other hand it avoids duplication of research. Synopses in "Shodhgangotri" are later mapped to full-text theses in "Shodhganga". As in mid July 2018, 5000+ Synopses have been uploaded into the Shodhgangotri.

## For further information please contact

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INFLIBNET Centre

### Shodhganga Team

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Email: [manoj@inflibnet.ac.in](mailto:manoj@inflibnet.ac.in)  
Phone: 079-2326-8220 / 8232

### Anti-plagiarism Query

Email: [suboohi@inflibnet.ac.in](mailto:suboohi@inflibnet.ac.in)



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For more information : <http://shodhganga.inflibnet.ac.in>