

# **Findability and Accessibility of *Electronic Thesis and Dissertation Repositories* of newly established Central Universities in India**

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# Introduction

- **Importance of Findability in ETD Repositories**
  - **Central to User Experience**
  - **Promotes Knowledge Discovery**
  - **Optimizes Time and Effort**
- **Importance of Accessibility in ETD Repositories**
  - **Inclusivity**
  - **Compliance with Standards**
  - **Enhanced User Experience**

# Problem Statement

- **Research Gap in Findability and Accessibility**
  - **Understudied Aspects:** While the technological aspects of repositories might be often updated and studied, findability and accessibility aspects are not always given the same attention.
  - **User Struggles:** There's limited data on where users typically struggle in finding and accessing content within ETD repositories, pointing to a gap in user-centric design evaluations.
  - **Lack of Standardized Guidelines:** Many ETD repositories might be developed in isolation without adhering to a unified set of guidelines or best practices concerning findability and accessibility.

# Objective



- To evaluate the Findability of ETD Repositories of newly established central universities in India.**
- To evaluate the Accessibility of ETD Repositories of newly established central universities in India.**

# Our Approach

## ➤ Data Collection

- **Central University Act 2009.**
- **Detail web survey of Universities.**
- **Extraction of ETDs URLs.**
- **Data Tabulation in Google Sheet.**
- **URLs analysis and Evaluation.**

## Google's PageSpeed Insights(PSI)

- **Performance:** server response time, render blocking resource, optimized pictures, speed and efficiency.
- **Accessibility:** keyboard navigation, color contrast, alternative text for images.
- **Best Practice:** coding practices, employs new technologies, avoid deprecated features, employs security
- **SEO:** meta tags, structured data, mobile friendliness.

# Our Approach



## Manual Experience

### ➤ Findability

- Simple Google Search
- Incognito Mode
- Search String “*Electronic thesis and dissertation of <university Name>*”

### ➤ Accessibility

- Content openness
- Full-text availability
- Dissemination Platforms

# Results

	Mobile				Desktop			
	Performance	Accessibility	Best Practice	SEO	Performance	Accessibility	Best Practice	SEO
<b>INFLIBNET Shodhganga</b>	54	66	64	75	30	66	68	73
<b>CURajasthan</b>	52	<b>78</b>	<b>68</b>	<b>97</b>	53	76	68	<b>100</b>
<b>CUHaryana</b>	55	70	73	82	48	74	<b>77</b>	80
<b>CUPunjab</b>	<b>70</b>	72	<b>68</b>	76	<b>86</b>	<b>79</b>	68	73
<b>CUOdisha</b>	No Access							
<b>CUHP</b>	No Dedicated IR/ETD Repository							
<b>CUJammu</b>	No Dedicated IR/ETD Repository							
<b>CUJharkhand</b>	No Dedicated IR/ETD Repository							
<b>CUKerala</b>	No Dedicated IR/ETD Repository							
<b>CUTamilnadu</b>	No Dedicated IR/ETD Repository							
<b>CUKashmir</b>	No Dedicated IR/ETD Repository							
<b>CUGujrat</b>	No Dedicated IR/ETD Repository							
<b>CUSouth Bihar</b>	No Dedicated IR/ETD Repository							

# Results

<b>Findability (After Google Search, Webpage Titles Retrieved)</b>			
<b>CURajasthan</b>	<b>CUHaryana</b>	<b>CUPunjab</b>	<b>CUOdisha</b>
Thesis and Dissertation   Central University of Rajasthan	Central University of Haryana - Shodhganga	Central University of Punjab - Shodhganga@Inflibnet	Central University of Odisha - Shodhganga@INFLIBNET
Thesis and Project Dissertation 2021 pdf	E-Resources@ Central University of Haryana	Browsing Thesis and Dissertation by Submit date	Collection and Resources
ETDs of CURJ   Central University of Rajasthan	-	Thesis and Dissertation - Knowledge Repository Home	-
Indian ETD	-	-	-
Central University of Rajasthan - Shodhganga@Inflibnet	-	-	-



# Results

<b>Accessibility</b>			
	<b>CURajasthan</b>	<b>CUHaryana</b>	<b>CUPunjab</b>
<b>Content</b>	Archive in ETD repository	Openly on ETD repository	Consolidated in Institutional Repository but needs login
	Full-text in Shodhganga	Shodhganga	Full-text in Shodhganga
<b>Platforms</b>	Institutional Repository	Institutional Repository	Institutional Repository
	Shodhganga@INFLIBNET	Shodhganga@INFLIBNET	Shodhganga@INFLIBNET

# Only three Institutions have their ETD repositories.

# Results

	Mobile				Desktop			
	Performance	Accessibility	Best Practice	SEO	Performance	Accessibility	Best Practice	SEO
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# Recommendations

- Quick server Response Time
- Avoid render blocking script
- GZIP compression
- HTML codes
- CSS & Javascript
- LPC (largest contentful paint image)
- Minimize network bytes
- Fixed web design and page links
- Content delivery in all Format

**Thank you!**