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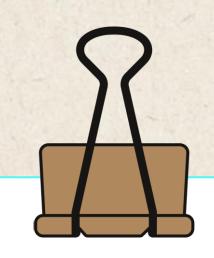




INTRODUCTION

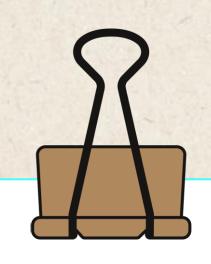
The digitization of scholarly resources has significantly transformed the academic landscape, with Electronic Theses and Dissertations (ETDs) emerging as crucial components of this evolution. ETDs offer a digital avenue for students, researchers, and the academic community to access and contribute to a wealth of scholarly knowledge. As the reliance on these digital platforms grows, ensuring an optimal user experience (UX) and addressing accessibility concerns becomes paramount. This research seeks to delve into the intricate realm of ETDs, specifically focusing on the UX and accessibility challenges faced by users.





In recent years, ETDs have become not only i knowledge but also gateways to expanded learnin alongside their potential, various challenges have seamless discovery and utilization of ETDs. These cha related to user interface design, information a readability, and the integration of multimedia ele accessibility of ETDs for individuals with disabilities necessitates comprehensive attention.

repositories of academic	
ng experiences. However,	
e surfaced, impeding the	
allenges encompass issues	
rchitecture, searchability,	
ements. Additionally, the	
s is a critical concern that	



The overarching goal of this research is to identify, these multifaceted challenges. By conducting a survey study aims to gather insights directly from ETD users researchers, and academics. The focus extends beyon also endeavours to uncover the factors influencing the consequential impact on effective ETD discovery and u

, understand, and address	
ey-based investigation, this	
s, encompassing students,	
nd identifying problems; it	
these challenges and their	
utilization.	



By comprehensively exploring the UX and accessibil research intends to contribute to the enhancemen ultimate objective is to provide actionable recomme gap between existing challenges and optimal user e stands as a crucial step toward fostering an environ only repositories of knowledge but also platforms users with valuable scholarly content, irrespective o abilities.

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experiences. This research	
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s that seamlessly connect	
of their diverse needs and	

OBJECTIVES

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To identify and understand the user experience (UX) and accessibility challenges faced by users of Electronic Theses and Dissertations (ETDs) through a surveybased approach.

To explore the factors influencing UX and accessibility in the context of ETDs, specifically focusing on user interface design, information architecture, searchability, readability, and multimedia integration.

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To assess the impact of these challenges on the effective discovery and utilization of ETDs based on survey responses.

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To provide actionable recommendations for enhancing UX and accessibility in ETD platforms based on survey findings.

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This research utilized a survey-based research method to gather data and insights regarding UX and accessibility challenges in the context of ETDs. The researcher has developed a survey questionnaire tailored to capture data related to the UX and accessibility challenges faced by users of ETDs from students and researchers of various fields.

METHODOLOGY

The survey included questions addressing user interface design, information

architecture, searchability, readability, multimedia integration, and overall user

satisfaction.

The questionnaire was administered to a diverse and representative sample of ETD users, such as students and researchers through an online platform. Collected quantitative data through survey responses, capturing participants' perceptions, experiences, and opinions regarding UX and accessibility challenges in ETDs.

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The survey data have been analysed using statistical techniques, such as

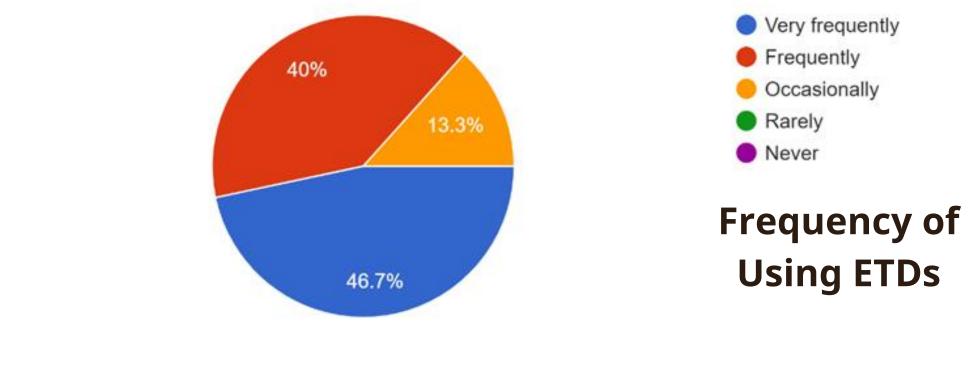
descriptive statistics, to identify significant findings related to UX and accessibility

challenges.

RESULTS

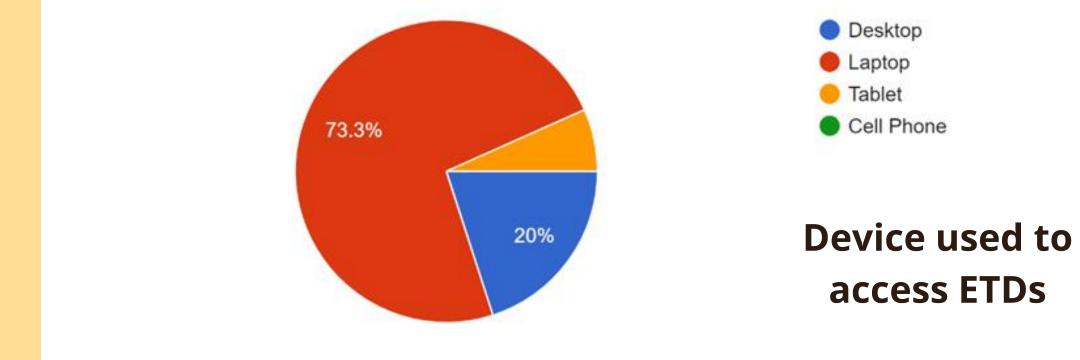
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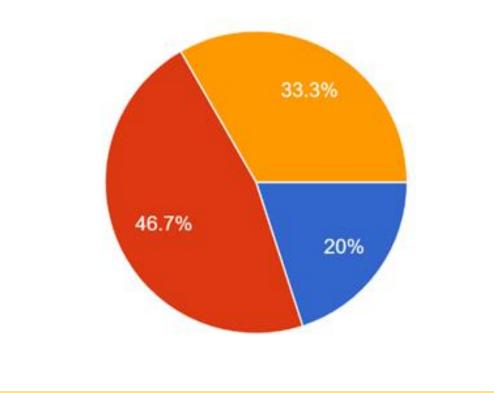
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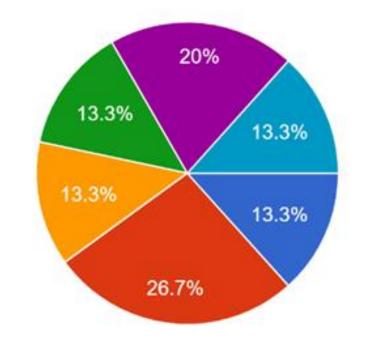




Satisfaction with User Experience

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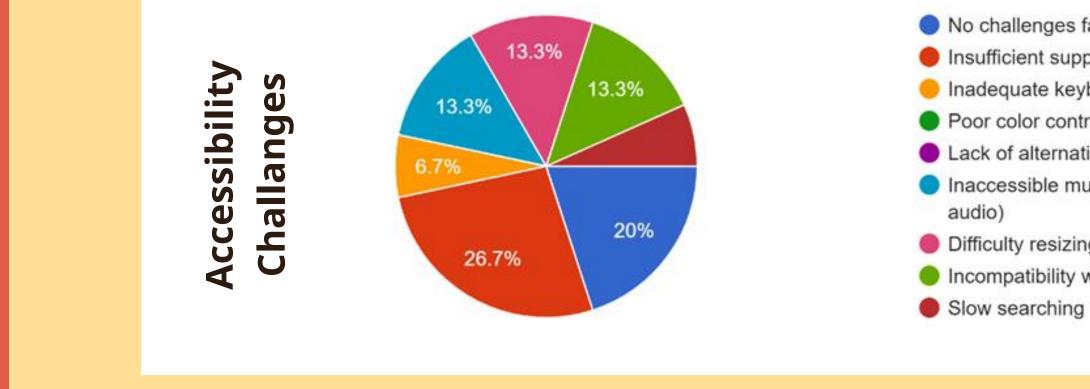
- Limited search functionality
- Difficulty accessing multimedia content
- Issues with text readability
- Lack of alternative formats for

Challanges Encountered using ETD Platforms



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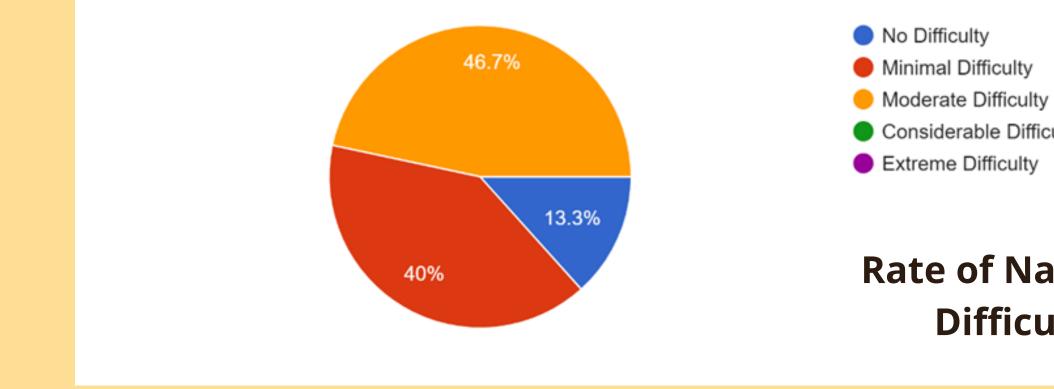
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No challenges faced
 Insufficient support for screen readers
 Inadequate keyboard navigation options
 Poor color contrast affecting readability
 Lack of alternative text for images
 Inaccessible multimedia content (videos,

Difficulty resizing text or adjusting font...
Incompatibility with assistive technolo...
Slow searching

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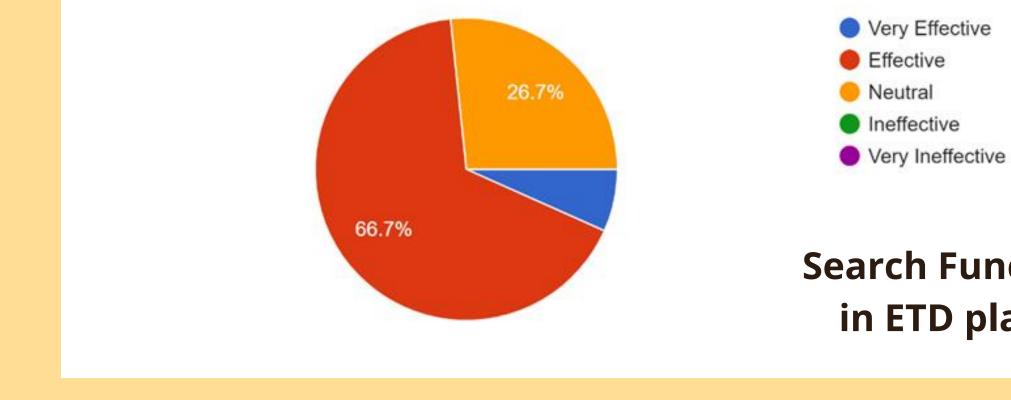


Considerable Difficulty

Rate of Navigation Difficulties



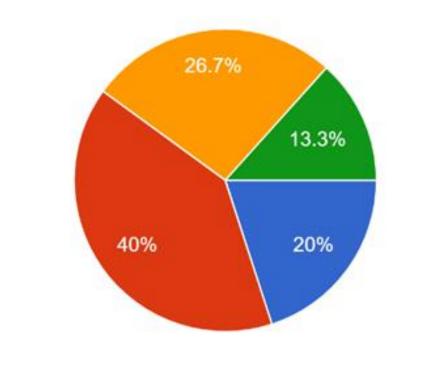
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Search Functionality in ETD platforms

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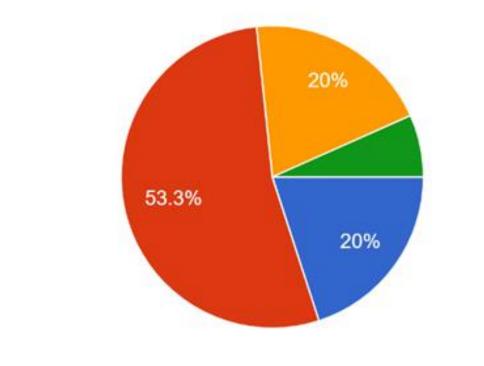




Multimedia Content within ETDs



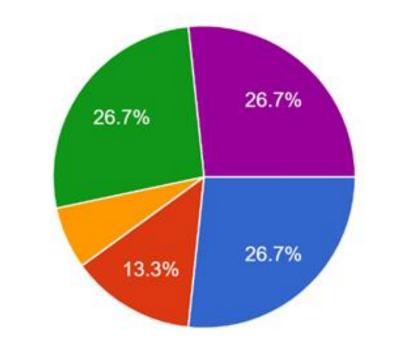
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Satisfaction with Readability of Text-based Content in ETD

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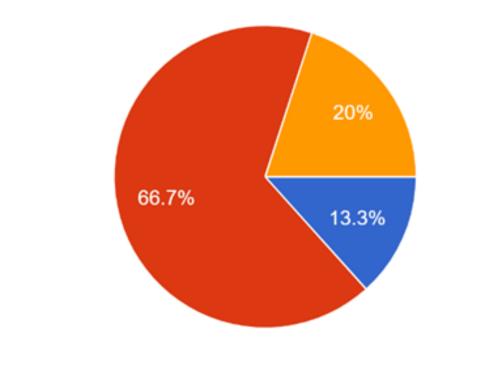


Readability Challanges

- No specific readability challenges faced
- Font style difficult to read
- Insufficient spacing between lines or
- Text layout and formatting issues
 - affecting readability

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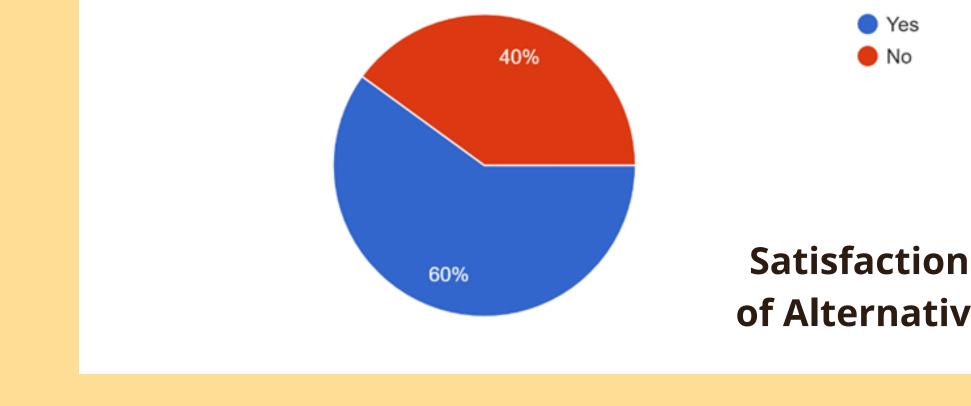




Satisfaction with structure of ETD Platforms



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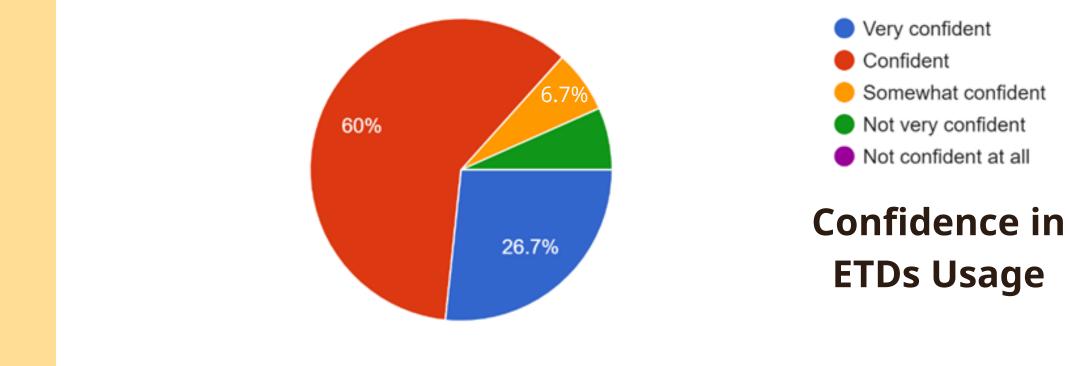


Satisfaction with Availability of Alternative formats of ETDs

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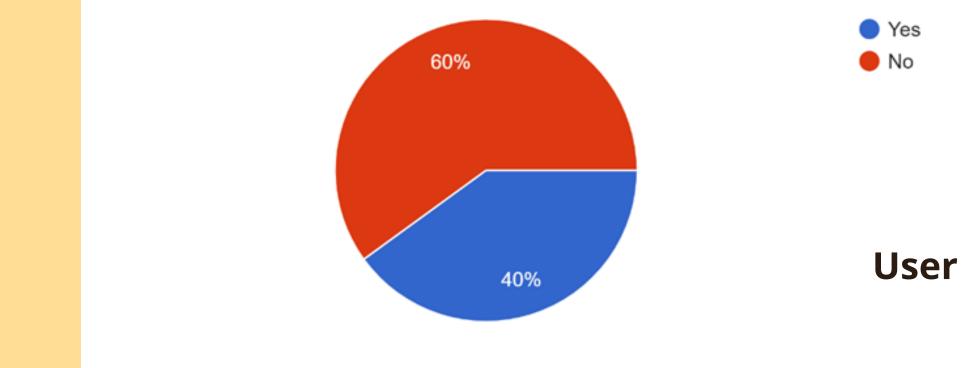
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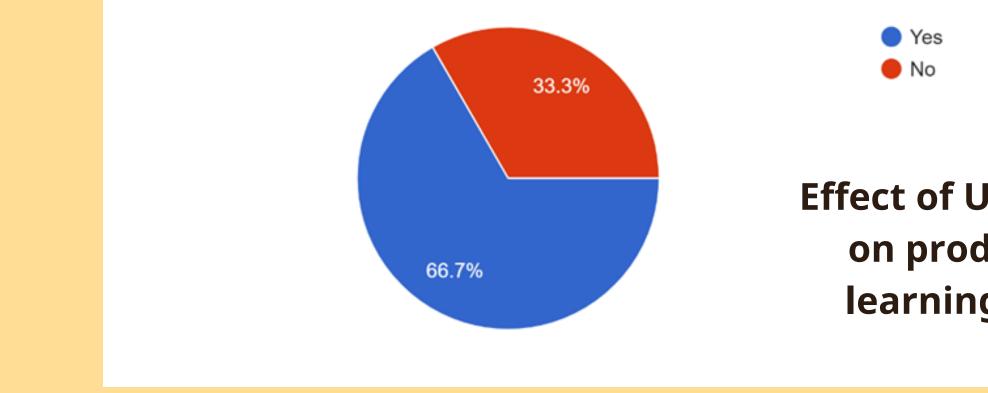
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User Continuity

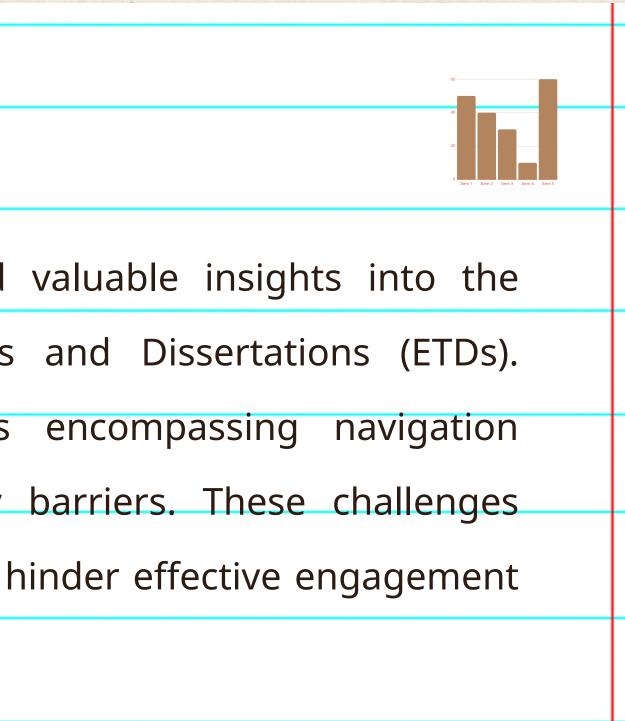
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Effect of User Challenges on productivity and learning experience

MAJOR FINDINGS

 Through the survey-based approach, we gained valuable insights into the challenges faced by users of Electronic Theses and Dissertations (ETDs).
 Participants highlighted a range of difficulties encompassing navigation complexities, readability issues, and accessibility barriers. These challenges collectively impact the overall user experience and hinder effective engagement with ETD platforms.



2. By investigating factors that influence user experience and accessibility in the context of ETDs, we discovered that user interface design, information architecture, searchability, readability, and multimedia integration play pivotal roles. Findings revealed that suboptimal user interface design, lack of clear information organization, limited search functionality, and readability concerns contribute to user frustration and hamper the accessibility of ETD platforms.

3. The survey responses shed light on the impact of the identified challenges on the discovery and utilization of ETDs. Participants who reported moderate to considerable difficulties in navigation and finding information expressed decreased satisfaction and efficiency when interacting with ETD platforms. Additionally, challenges related to readability and accessibility hindered the effective utilization of multimedia content, limiting its educational potential.



Navigation and Information Discovery

Search Functionality Enhancement

Enhancing Accessibility Readability Optimization

Multimedia Accessibility

User Feedback and Continuous Improvement



CONCLUSION

This research has unveiled the multifaceted challenges affecting the user experience and accessibility of Electronic Theses and Dissertations (ETDs). Through survey insights, we identified navigation complexities, readability issues, and accessibility barriers as significant hindrances. These findings stress the urgency of optimizing ETD platforms, enhancing navigation, readability, and accessibility features. By bridging these gaps, we can create an environment where ETDs serve as seamlessly accessible repositories of knowledge, fostering inclusive academic engagement for users of all backgrounds and abilities.

