CHAPTER IV

RESULTS AND DISCUSSIONS

1. Develop a user-friendly thesis repository system that provides an intuitive interface for students, faculty, and researchers to submit, store, search, and access academic documents.

In the pursuit of enhancing the academic research at Don Honorio Ventura State University, this study addressed crucial aspects of integrity, accessibility, and reliability. The researchers outlined objectives, resulting in the development of a user-friendly thesis repository system to store, manage, and browse academic documents.

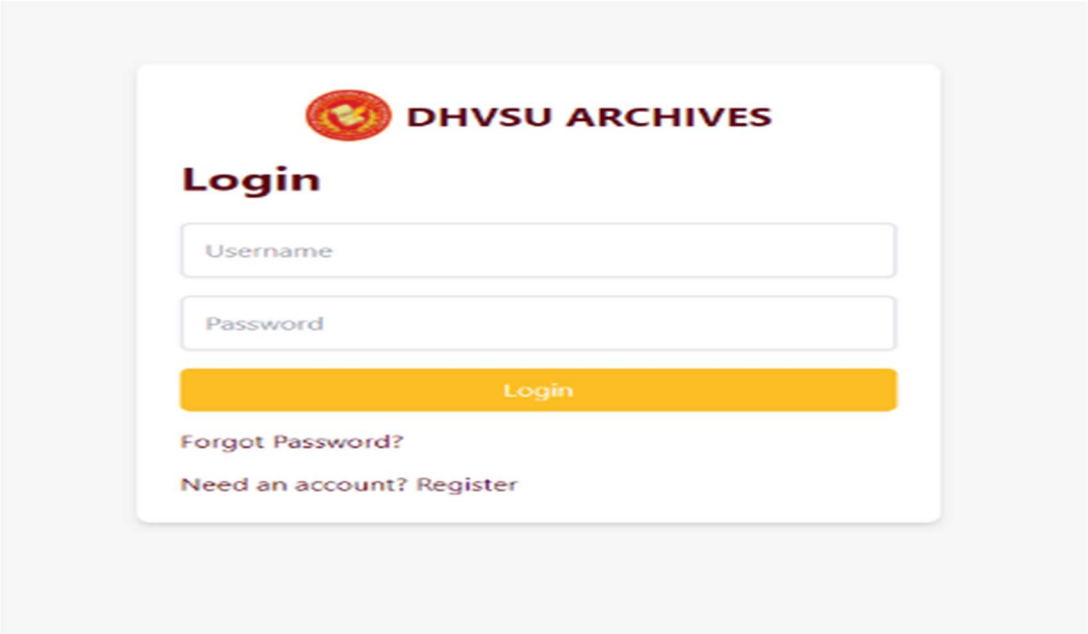
The researchers developed a web-based thesis repository system. It is a sophisticated platform designed to manage academic theses, dissertations, and capstones effectively. It includes features such as a secure repository, user-friendly interface, and version control.

2. Integrate credibility functionalities to detect and prevent any instances of plagiarism and AI generated content, ensuring the originality and integrity of the research outputs.

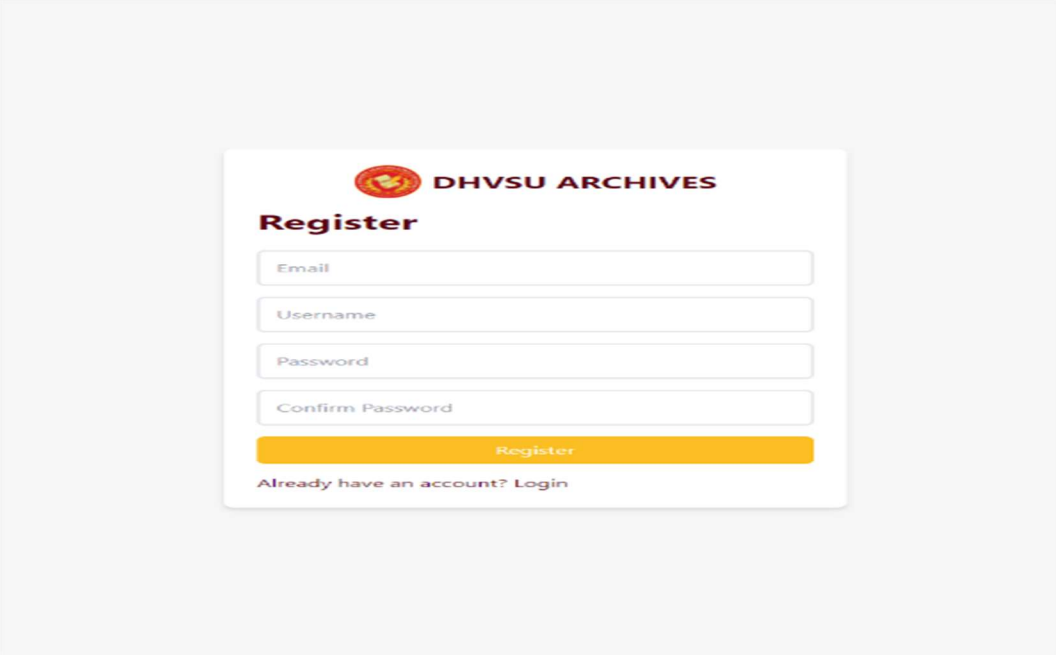
Furthermore, the system incorporates plagiarism scanner and AI detector, as identified by the researchers, to detect and prevent instances of plagiarism and content generated by artificial intelligence, safeguarding the originality and integrity of the research outputs within the repository.

The system employs a plagiarism scanner with an AI detector, highlighting potential issues and capable of generating detailed reports. The system also features user access controls to ensure streamlined and secure thesis repository while prioritizing academic integrity.

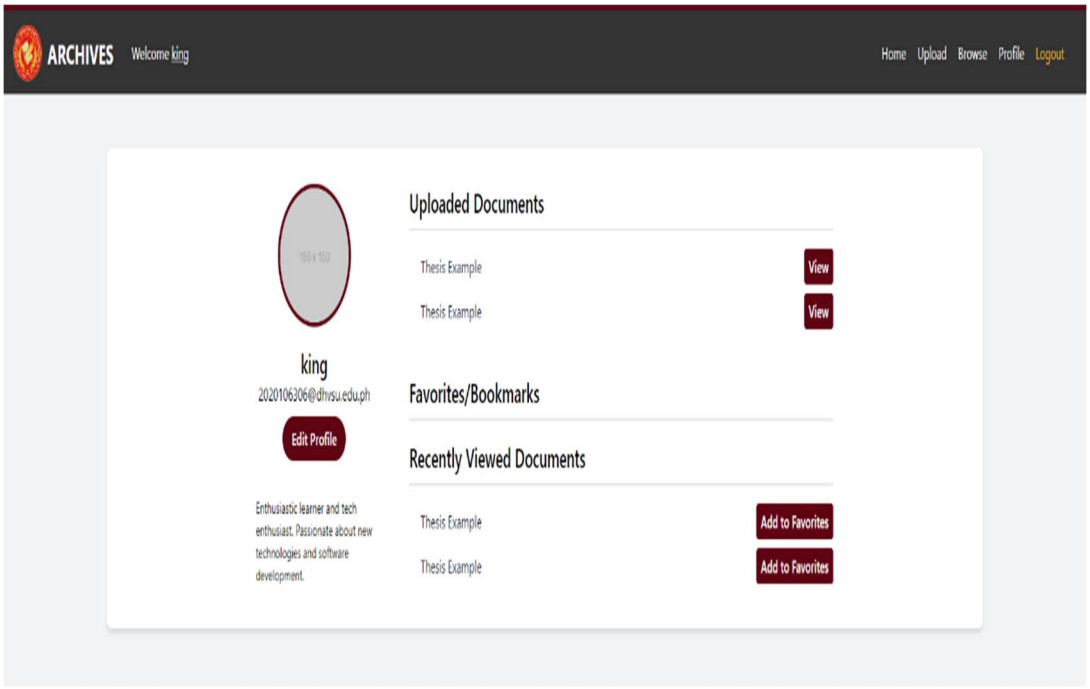
Here are the main functions that web-based thesis repository system with plagiarism scanner and AI detector aims to deliver:



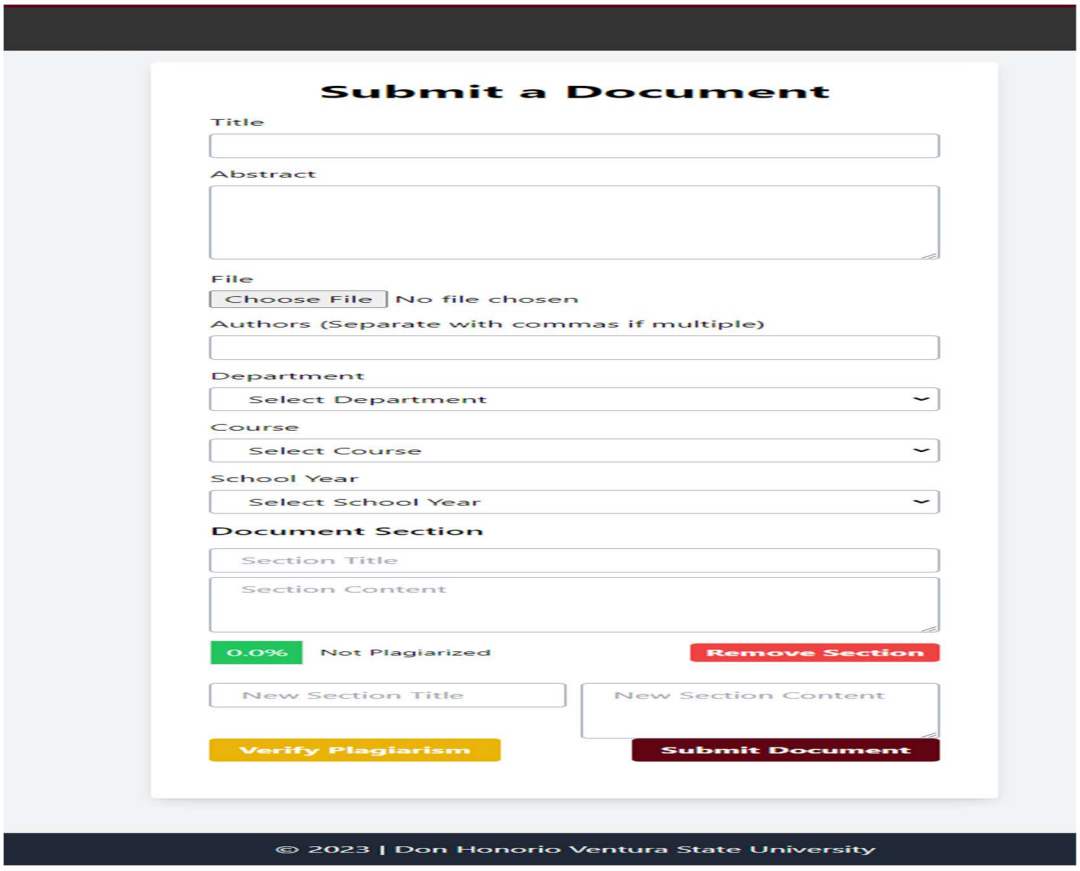
Login Page – this is where the user will log in to their account in order to access the thesis repository.



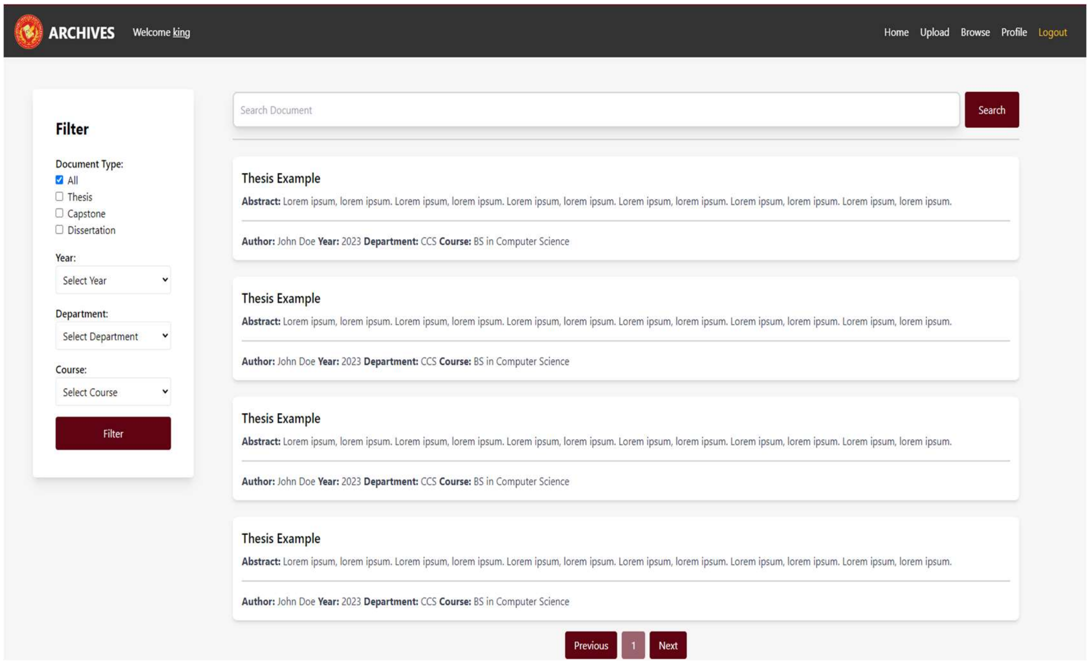
Register Page – this is where the user can create an account.



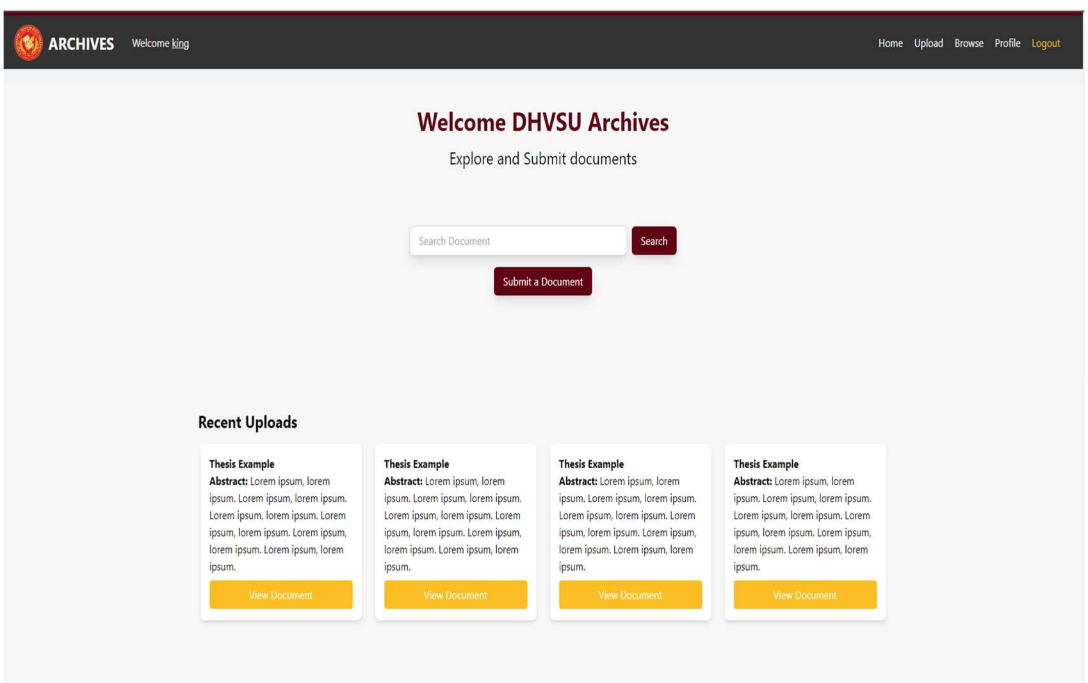
Profile Page – this is where the user can see his/her details in the thesis repository system.



Submit Document Page with Plagiarism Scanner and AI Detector – this is where the user can submit the documents in the thesis repository system. The system will also check the submitted documents for any cases of plagiarism and AI generated contents.



Library Page – User can see the submitted documents and access them here.



Home Page – this is where the user will land after logging in successfully.

3. Perform a system evaluation based on ISO25010.

To determine the effectiveness of the developed system, the researchers conducted an evaluation based on the ISO25010 standard. This evaluation examines into software quality characteristics such as functionality suitability, performance efficiency, compatibility, usability, reliability, security, maintainability, and portability. The results of this evaluation, as analyzed by the researchers, form the basis of the discussion and its overall contribution to enhancing the academic research at Don Honorio Ventura State University.

This section presents the analysis and interpretation of the thesis project titled "Web-Based Thesis Repository System with Plagiarism Scanner and AI Detector", utilizing a quantitative approach. Online surveys with supervision were conducted to collect the necessary content for this segment. Through the completion of survey questionnaires, alpha and beta testing the respondents provided valuable insights into the proposed system.

Pre-Survey:

Table 11: Assessment of Importance of Centralized Repository for Pre-Survey

Question	SA 5	A 4	N 3	D 2	SD 1	WV	WM	Interpretation
How important is having a centralized repository of Academic Papers in DHVSU?	155 (775)	141 (564)	5 (15)	0 (0)	0 (0)	301 (1354)	4.5	Strongly Agree

Table shows the frequency distribution, weighted mean and interpretation of the assessment of the Importance of Centralized Repository for Pre-survey of “Web-Based Thesis Repository System with Plagiarism Scanner and AI Detector”. A weighted mean of

4.5 or an interpretation of “strongly agree” was given by the students. This shows that a centralized repository is important in DHVSU.

Table 12: Assessment of Frequency of Using Online Academic Paper Repositories for Pre-Survey

Questions	SA 5	A 4	N 3	D 2	SD 1	WV	WM	Interpretation
How often do you use online repositories of Academic Papers like Google Scholar, PubMed, and Research Gate?	153 (765)	142 (568)	4 (12)	1 (2)	1 (1)	301 (1348)	4.48	Strongly Agree
How often do you encounter difficulties accessing recent academic papers related to your studies for references?	166 (830)	128 (512)	7 (21)	0 (0)	0 (0)	301 (1363)	4.53	Strongly Agree
Average Weighted Mean							4.51	Strongly Agree

Table shows the frequency distribution, weighted mean and interpretation of the assessment of the Frequency of Using Online Academic Paper Repositories for Pre-Survey of “Web-Based Thesis Repository System with Plagiarism Scanner and AI Detector”. An average weighted mean of 4.51 or an interpretation of “strongly agree” was given by the students. This shows that the students often use online repositories when searching for RRLs. Also, it shows that the students encounter difficulties when accessing recent academic papers related to their studies for references.

Table 13: Assessment of Plagiarism Awareness and Usage of Tools for Pre-Survey

Questions	SA 5	A 4	N 3	D 2	SD 1	WV	WM	Interpretation
Do you agree that plagiarism is rampant among students?	167 (835)	128 (512)	6 (18)	0 (0)	0 (0)	301 (1365)	4.54	Strongly Agree
How often do you use online tools for scanning documents for plagiarism/AI-generated content?	120 (600)	169 (676)	12 (36)	0 (0)	0 (0)	301 (1312)	4.36	Strongly Agree
Do you agree that using tools like ChatGPT for students doing Thesis studies is widespread among students?	160 (800)	134 (536)	7 (21)	0 (0)	0 (0)	301 (1357)	4.51	Strongly Agree
Average Weighted Mean							4.47	Strongly Agree

Table shows the frequency distribution, weighted mean and interpretation of the assessment of the Plagiarism Awareness and Usage of Tools for Pre-Survey of "Web-Based Thesis Repository System with Plagiarism Scanner and AI Detector". An average weighted mean of 4.47 or an interpretation of "strongly agree" was given by the students. This shows that the students agree that plagiarism is rampant among the students. Also, it shows that the students often use tools for scanning documents and the students agree that using tools like ChatGPT for students doing thesis studies is widespread among students.

Alpha Testing:

Table 14: Assessment of Functional Suitability for Alpha Testing

Aspect	SA 5	A 4	N 3	D 2	SD 1	WV	WM	Interpretation
The user interface of The Web Based Thesis Repository System is user-friendly and easy to navigate.	1 (5)	4 (16)	0 (0)	0 (0)	0 (0)	5 (21)	4.2	Strongly Agree
Learning to use The Web Based Thesis Repository System was straightforward and did not require extensive training.	1 (5)	4 (16)	0 (0)	0 (0)	0 (0)	5 (21)	4.2	Strongly Agree
The Web Based Thesis Repository System has all the functions and capabilities expected from a thesis repository system.	0 (0)	4 (16)	1 (3)	0 (0)	0 (0)	5 (19)	3.8	Agree
Average Weighted Mean							4.07	Agree

Table shows the frequency distribution, weighted mean and interpretation of the assessment of the Functional Suitability for Alpha Testing of "Web-Based Thesis Repository System with Plagiarism Scanner and AI Detector". An average weighted mean of 4.22 or an interpretation of "strongly agree" was given by the IT Professionals.

Table 15: Assessment of Performance Efficiency for Alpha Testing

Aspect	SA 5	A 4	N 3	D 2	SD 1	WV	WM	Interpretation
The Web Based Thesis Repository System is impressively prompt and efficient in its response when I interact with its user interface.	0 (0)	4 (16)	1 (3)	0 (0)	0 (0)	5 (19)	3.8	Agree
The Web Based Thesis Repository System does not overwhelm my device's system resources (e.g., high CPU or RAM usage).	1 (5)	4 (16)	0 (0)	0 (0)	0 (0)	5 (21)	4.2	Strongly Agree
The Web Based Thesis Repository System can support a large number of concurrent users without becoming unresponsive.	0 (0)	4 (16)	1 (3)	0 (0)	0 (0)	5 (19)	3.8	Agree
Average Weighted Mean							3.93	Agree

Table shows the frequency distribution, weighted mean and interpretation of the assessment of the Performance Efficiency for Alpha Testing of "Web-Based Thesis Repository System with Plagiarism Scanner and AI Detector". An average weighted mean of 3.89 or an interpretation of "agree" was given by the IT Professionals.

Table 16: Assessment of Compatibility for Alpha Testing

Aspect	SA 5	A 4	N 3	D 2	SD 1	WV	WM	Interpretation
The Web Based Thesis Repository System handles different file formats and ensures compatibility during file upload and download.	0 (0)	5 (20)	0 (0)	0 (0)	0 (0)	5 (20)	4	Agree
The Web Based Thesis Repository System seamlessly combines with a wide range of systems and configurations.	0 (0)	3 (12)	2 (6)	0 (0)	0 (0)	5 (18)	3.6	Agree
The Web Based Thesis Repository System works smoothly and reliably with our existing infrastructure.	0 (0)	5 (20)	0 (0)	0 (0)	0 (0)	5 (20)	4	Agree
Average Weighted Mean							3.87	Agree

Table shows the frequency distribution, weighted mean and interpretation of the assessment of the Compatibility for Alpha Testing of "Web-Based Thesis Repository System with Plagiarism Scanner and AI Detector". An average weighted mean of 3.78 or an interpretation of "agree" was given by the IT Professionals.

Table 17: Assessment of Usability for Alpha Testing

Aspect	SA 5	A 4	N 3	D 2	SD 1	WV	WM	Interpretation
The interface of design of The Web Based Thesis Repository System is functional, and the colors have enough contrast to be readable and accessible.	3 (15)	2 (8)	0 (0)	0 (0)	0 (0)	5 (23)	4.6	Strongly Agree
The Web Based Thesis Repository System is essential for improving efficiency and productivity in office operations.	1 (5)	4 (16)	0 (0)	0 (0)	0 (0)	5 (21)	4.2	Strongly Agree
The Web Based Thesis Repository System provides clear indicators that help users determine its suitability for their specific requirements.	0 (0)	4 (16)	1 (3)	0 (0)	0 (0)	5 (19)	3.8	Agree
Average Weighted Mean							4.2	Strongly Agree

Table shows the frequency distribution, weighted mean and interpretation of the assessment of the Usability for Alpha Testing of "Web-Based Thesis Repository System with Plagiarism Scanner and AI Detector". An average weighted mean of 4.11 or an interpretation of "agree" was given by the IT Professionals.

Table 18: Assessment of Reliability for Alpha Testing

Aspect	SA 5	A 4	N 3	D 2	SD 1	WV	WM	Interpretation
The Web Based Thesis Repository System consistently meets and upholds the reliability standards that have been established for its performance.	0 (0)	5 (20)	0 (0)	0 (0)	0 (0)	5 (20)	4	Agree
The Web Based Thesis Repository System demonstrates its capability to effectively manage and address errors when they arise.	0 (0)	3 (12)	2 (6)	0 (0)	0 (0)	5 (18)	3.6	Agree
The Web Based Thesis Repository System can resume functioning and restore data if it has been shut down accidentally.	0 (0)	2 (8)	3 (9)	0 (0)	0 (0)	5 (17)	3.4	Agree
Average Weighted Mean							3.67	Agree

Table shows the frequency distribution, weighted mean and interpretation of the assessment of the Reliability for Alpha Testing of “Web-Based Thesis Repository System with Plagiarism Scanner and AI Detector”. An average weighted mean of 3.89 or an interpretation of “agree” was given by the IT Professionals.

Table 19: Assessment of Security for Alpha Testing

Aspect	SA 5	A 4	N 3	D 2	SD 1	WV	WM	Interpretation
The Web Based Thesis Repository System ensures data confidentiality and restricts access to authorized users only.	0 (0)	5 (20)	0 (0)	0 (0)	0 (0)	5 (20)	4	Agree
The Web Based Thesis Repository System can protect user information/data from threats and cyber-attacks.	0 (0)	5 (20)	0 (0)	0 (0)	0 (0)	5 (20)	4	Agree
Each action performed in The Web Based Thesis Repository System can be distinctly traced back to the specific entity, ensuring accountability and transparency.	0 (0)	5 (20)	0 (0)	0 (0)	0 (0)	5 (20)	4	Agree
Average Weighted Mean							4	Agree

Table shows the frequency distribution, weighted mean and interpretation of the assessment of the Security for Alpha Testing of "Web-Based Thesis Repository System with Plagiarism Scanner and AI Detector". An average weighted mean of 4 or an interpretation of "agree" was given by the IT Professionals.

Table 20: Assessment of Maintainability for Alpha Testing

Aspect	SA 5	A 4	N 3	D 2	SD 1	WV	WM	Interpretation
The Web Based Thesis Repository System's adaptability ensures that it can easily receive updates and bug fixes as soon as any issues arise, guaranteeing continuous and hassle-free operation.	0 (0)	3 (12)	2 (6)	0 (0)	0 (0)	5 (18)	3.6	Agree
The Web Based Thesis Repository System consistently meets and successfully passes all tests designed to evaluate its performance.	0 (0)	5 (20)	0 (0)	0 (0)	0 (0)	5 (20)	4	Agree
Users can notify the developers as bugs and error messages arise within the system.	0 (0)	2 (8)	3 (9)	0 (0)	0 (0)	5 (17)	3.4	Agree
Average Weighted Mean							3.67	Agree

Table shows the frequency distribution, weighted mean and interpretation of the assessment of the Maintainability for Alpha Testing of "Web-Based Thesis Repository System with Plagiarism Scanner and AI Detector". An average weighted mean of 3.55 or an interpretation of "agree" was given by the IT Professionals.

Table 21: Assessment of Portability for Alpha Testing

Aspect	SA 5	A 4	N 3	D 2	SD 1	WV	WM	Interpretation
The Web Based Thesis Repository System portability can run through any screen size of any device.	2 (10)	3 (12)	0 (0)	0 (0)	0 (0)	5 (22)	4.4	Strongly Agree
The Web Based Thesis Repository System can run on various operating systems(e.g., Android, iOS, Windows, Linux, etc.).	0 (0)	5 (20)	0 (0)	0 (0)	0 (0)	5 (20)	4	Agree
The Web Based Thesis Repository System can be successfully deployed in a specific environment.	0 (0)	5 (20)	0 (0)	0 (0)	0 (0)	5 (20)	4	Agree
Average Weighted Mean							4.13	Agree

Table shows the frequency distribution, weighted mean and interpretation of the assessment of the Portability for Alpha Testing of “Web-Based Thesis Repository System with Plagiarism Scanner and AI Detector”. An average weighted mean of 4.11 or an interpretation of “agree” was given by IT Professionals.

Table 22: System Performance for Alpha Testing

System Performance		
Indicators	Average Mean	Verbal Interpretation
Functional Suitability	4.07	Agree
Performance Efficiency	3.93	Agree
Compatibility	3.87	Agree
Usability	4.2	Strongly Agree
Reliability	3.67	Agree
Security	4	Agree
Maintainability	3.67	Agree
Portability	4.13	Agree
Grand Mean	3.94	Agree

The data in the table indicates that respondents consistently rated the system as "agree" with the exception for usability which is rated as “strongly agree”, resulting in an overall grand mean of 3.94. Across all criteria, respondents expressed agreement, suggesting that the system has been developed to a commendable standard. This positive evaluation indicates that the system is now prepared for deployment.

Beta Testing:

Table 23: Assessment of Functional Suitability for Beta Testing

Aspect	SA 5	A 4	N 3	D 2	SD 1	WV	WM	Interpretation
The Web Based Thesis Repository System's user-friendly interface ensures easy task management, letting you focus on your work not the tool.	168 (840)	102 (408)	30 (90)	1 (2)	0 (0)	301 (1340)	4.45	Strongly Agree
The Web Based Thesis Repository System's user interface is intuitive and easy to navigate.	151 (755)	134 (536)	16 (48)	0 (0)	0 (0)	301 (1339)	4.45	Strongly Agree
The Web Based Thesis Repository System has all the convenient features and functions you'd want in a thesis Repository system.	156 (795)	136 (544)	9 (27)	0 (0)	0 (0)	301 (1366)	4.54	Strongly Agree
Average Weighted Mean							4.48	Strongly Agree

Table shows the frequency distribution, weighted mean and interpretation of the assessment of the Functional Suitability for Beta Testing of "Web-Based Thesis Repository System with Plagiarism Scanner and AI Detector". An average weighted mean of 4.48 or an interpretation of "strongly agree" was given by the students of Don Honorio Ventura State University (DHVSU).

Table 24: Assessment of Performance Efficiency for Beta Testing

Aspect	SA 5	A 4	N 3	D 2	SD 1	WV	WM	Interpretation
The Web Based Thesis Repository System delivers swift and effective feedback when using its user interface.	157 (785)	116 (464)	27 (81)	1 (2)	0 (0)	301 (1332)	4.43	Strongly Agree
The Web Based Thesis Repository System doesn't put a heavy strain on device system resources.	151 (755)	127 (508)	23 (69)	0 (0)	0 (0)	301 (1333)	4.43	Strongly Agree
The Web Based Thesis Repository System maintains its responsiveness and performance.	158 (790)	130 (520)	13 (39)	0 (0)	0 (0)	301 (1338)	4.45	Strongly Agree
Average Weighted Mean							4.44	Strongly Agree

Table shows the frequency distribution, weighted mean and interpretation of the assessment of the Performance Efficiency for Beta Testing of "Web-Based Thesis Repository System with Plagiarism Scanner and AI Detector". An average weighted mean of 4.44 or an interpretation of "strongly agree" was given by the students of Don Honorio Ventura State University (DHVSU).

Table 25: Assessment of Compatibility for Beta Testing

Aspect	SA 5	A 4	N 3	D 2	SD 1	WV	WM	Interpretation
The Web Based Thesis Repository System supports various file types and maintains their integrity when transferring them to and from the platform.	161 (805)	111 (444)	29 (87)	0 (0)	0 (0)	301 (1336)	4.44	Strongly Agree
The Web Based Thesis Repository System integrates smoothly with various types of platforms and settings.	138 (690)	134 (536)	28 (84)	1 (2)	0 (0)	301 (1312)	4.36	Strongly Agree
The Web Based Thesis Repository System integrates seamlessly and dependably with current systems.	169 (845)	114 (456)	18 (54)	0 (0)	0 (0)	301 (1355)	4.50	Strongly Agree
Average Weighted Mean							4.43	Strongly Agree

Table shows the frequency distribution, weighted mean and interpretation of the assessment of the Compatibility for Beta Testing of "Web-Based Thesis Repository System with Plagiarism Scanner and AI Detector". An average weighted mean of 4.43 or an interpretation of "strongly agree" was given by the students of Don Honorio Ventura State University (DHVSU).

Table 26: Assessment of Usability for Beta Testing

Aspect	SA 5	A 4	N 3	D 2	SD 1	WV	WM	Interpretation
The Web Based Thesis Repository System's user interface design is effective, and the colors are well-balanced to ensure readability and accessibility.	149 (745)	119 (476)	33 (99)	0 (0)	0 (0)	301 (1320)	4.39	Strongly Agree
The Web Based Thesis Repository System assists in optimizing your workflow, handling tasks, and enhancing team collaboration.	136 (680)	141 (564)	24 (72)	0 (0)	0 (0)	301 (1316)	4.37	Strongly Agree
The Web Based Thesis Repository System meets their particular needs by looking at its transparent criteria.	151 (755)	131 (524)	19 (57)	0 (0)	0 (0)	301 (1336)	4.44	Strongly Agree
Average Weighted Mean							4.44	Strongly Agree

Table shows the frequency distribution, weighted mean and interpretation of the assessment of the Usability for Beta Testing of "Web-Based Thesis Repository System with Plagiarism Scanner and AI Detector". An average weighted mean of 4.44 or an interpretation of "strongly agree" was given by the students of Don Honorio Ventura State University (DHVSU).

Table 27: Assessment of Reliability for Beta Testing

Aspect	SA 5	A 4	N 3	D 2	SD 1	WV	WM	Interpretation
The Web Based Thesis Repository System keeps its promises and meets expected standards.	160 (800)	108 (432)	33 (99)	0 (0)	0 (0)	301 (1331)	4.42	Strongly Agree
The Web Based Thesis Repository System shows how it can handle and resolve issues that occur in a timely and efficient manner.	140 (700)	134 (536)	27 (81)	0 (0)	0 (0)	301 (1317)	4.38	Strongly Agree
If The Web Based Thesis Repository System unexpectedly shuts down, it can recover data and continue working.	154 (770)	115 (460)	29 (87)	3 (6)	0 (0)	301 (1323)	4.4	Strongly Agree
Average Weighted Mean							4.4	Strongly Agree

Table shows the frequency distribution, weighted mean and interpretation of the assessment of the Reliability for Beta Testing of "Web-Based Thesis Repository System with Plagiarism Scanner and AI Detector". An average weighted mean of 4.44 or an interpretation of "strongly agree" was given by the students of Don Honorio Ventura State University (DHVSU).

Table 28: Assessment of Security for Beta Testing

Aspect	SA 5	A 4	N 3	D 2	SD 1	WV	WM	Interpretation
The Web Based Thesis Repository System keeps its promises and meets expected standards.	150 (750)	117 (468)	34 (102)	0 (0)	0 (0)	301 (1320)	4.39	Strongly Agree
The Web Based Thesis Repository System is to protect the privacy of its data and to grant access only to those who have the proper authorization.	141 (705)	140 (560)	20 (60)	0 (0)	0 (0)	301 (1325)	4.4	Strongly Agree
The Web Based Thesis Repository System records every action with the exact entity that performed it, providing clear and reliable accountability and transparency.	165 (825)	122 (488)	14 (42)	0 (0)	0 (0)	301 (1355)	4.5	Strongly Agree
Average Weighted Mean							4.43	Strongly Agree

Table shows the frequency distribution, weighted mean and interpretation of the assessment of the Security for Beta Testing of "Web-Based Thesis Repository System with Plagiarism Scanner and AI Detector". An average weighted mean of 4.43 or an interpretation of "strongly agree" was given by the students of Don Honorio Ventura State University (DHVSU).

Table 29: Assessment of Maintainability for Beta Testing

Aspect	SA 5	A 4	N 3	D 2	SD 1	WV	WM	Interpretation
Users have the capability to notify the developer of bugs and error messages within the system.	135 (675)	113 (452)	44 (132)	8 (16)	1 (1)	301 (1276)	4.24	Strongly Agree
The Web Based Thesis Repository System always achieves and exceeds the expected standards.	128 (640)	137 (548)	36 (108)	0 (0)	0 (0)	301 (1296)	4.31	Strongly Agree
The Web Based Thesis Repository System's adaptability ensures that it can easily receive updates and bug fixes as soon as any issues arise.	158 (790)	109 (436)	32 (96)	2 (4)	0 (0)	301 (1326)	4.41	Strongly Agree
Average Weighted Mean							4.32	Strongly Agree

Table shows the frequency distribution, weighted mean and interpretation of the assessment of the Maintainability for Beta Testing of "Web-Based Thesis Repository System with Plagiarism Scanner and AI Detector". An average weighted mean of 4.32 or an interpretation of "strongly agree" was given by the students of Don Honorio Ventura State University (DHVSU).

Table 30: Assessment of Portability for Beta Testing

Aspect	SA 5	A 4	N 3	D 2	SD 1	WV	WM	Interpretation
The Web Based Thesis Repository System's portability features function well on screens of all sizes.	165 (825)	107 (428)	28 (84)	1 (2)	0 (0)	301 (1339)	4.45	Strongly Agree
The Web Based Thesis Repository System is compatible with different operating systems.	143 (715)	137 (548)	21 (63)	0 (0)	0 (0)	301 (1326)	4.41	Strongly Agree
The process of setting up and removing The Web Based Thesis Repository System in a given environment can be accomplished without any issues.	174 (870)	117 (468)	10 (30)	0 (0)	0 (0)	301 (1368)	4.55	Strongly Agree
Average Weighted Mean							4.47	Agree

Table shows the frequency distribution, weighted mean and interpretation of the assessment of the Portability for Beta Testing of "Web-Based Thesis Repository System with Plagiarism Scanner and AI Detector". An average weighted mean of 4.47 or an interpretation of "strongly agree" was given by the students of Don Honorio Ventura State University (DHVSU).

Table 31: System Performance for Beta Testing

System Performance		
Indicators	Average Mean	Verbal Interpretation
Functional Suitability	4.48	Strongly Agree
Performance Efficiency	4.44	Strongly Agree
Compatibility	4.43	Strongly Agree
Usability	4.44	Strongly Agree
Reliability	4.4	Strongly Agree
Security	4.43	Strongly Agree
Maintainability	4.32	Strongly Agree
Portability	4.47	Strongly Agree
Grand Mean	4.43	Strongly Agree

The table shows the opinions of the students regarding the system, and they assigned it a rating of "4.43", indicating an overall agreement. Each criterion received an strongly agree rating, suggesting that the system is well-crafted. Therefore, it can be inferred that the system is prepared for use.

CHAPTER V

SUMMARY, CONCLUSION AND RECOMMENDATION

SUMMARY

While developing the web-based thesis repository system, which incorporates a plagiarism scanner and AI detector, it was essential to consider key features such as content portability, maintainability, security, reliability, usability, compatibility, performance efficiency, and functional suitability.

According to the respondents' evaluation using the Software Quality Standard (ISO25010), the overall numerical ratings were Alpha 3.94 which is rated as “agree” and Beta 4.43 which is rated as “strongly agree”, with an interpretation that is highly fitting. All requirements received an acceptable rating, signifying the establishment of a high standard for this approach. Consequently, the system is ready for deployment.

CONCLUSION

With all requirements deemed acceptable, this system demonstrates a high standard of development and readiness for deployment. The integration of advanced features, including plagiarism scanning and AI detection, underscores its commitment to academic integrity and technological innovation. The web-based thesis repository system not only meets the immediate needs of users but also sets a benchmark for future developments in the realm of thesis repository and academic research. Overall, this system stands as a testament to the successful fusion of technological sophistication and user-centric design, promising significant contributions to the efficiency and reliability of thesis repository in academic settings.

RECOMMENDATION

The findings of this study, along with the conclusions, offer recommendations that can serve as instructive guidance for future researchers developing systems with similar services and functionalities. Firstly, it is advised to incorporate or develop a grammar checker within the system, contributing to the improvement of written content quality. Secondly, implement a functionality that enable users to request document downloads to enhance user experience and system accessibility. Lastly, include “add to favorites” functionality to let the users bookmark a document. These recommendations collectively form a comprehensive approach to inform the development of future systems with similar objectives.