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DOCUMENT TRACKING SYSTEM

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***Abstract*: This study reports the outcomes of a web-based e-document tracking system that allows university students to effectively control and monitor the movement of supplied documents. The system will allow users to track and save the documents requested by the administrator. The project will be developed using a combination of tools such as HTML, CSS, JavaScript, PHP, and MySQL.**

Keywords – Effect e-Tracking system, Document Tracking system, black box testing.

I. INTRODUCTION

A document tracking system simplifies the process of searching documents and gives you the control of who views or edits a document. Crucial features of document shadowing services include document security, third-party integrations, and a document storehouse. Numerous departments need to inclusively work or manage their assigned job rightly to make the document accessible in time. A shadowing point makes the job easy for everyone.

The creation of an online document tracking system that can collect, keep, and recover documents is our goal. Additionally makes it easier for you to organize, locate, and control all of your organizational papers in one location..

This study seeks to create an online tool for monitoring electronic documents in order to gauge how well users respond to the system..

The system will have multiple user roles such as administrator and students. The administrator will have complete access to the system and will be responsible for managing the user accounts, system settings, and document templates. Students will be able to submit documents, as well as view the status of their documents.

A few research papers also helped us to implement this project.

[1] Document Management System by Greeshma P. This document helped us to improve the version control of documents.

[2] Online Document Tracking System by Mohamad Nor airman Jalaludin. This research paper has helped us to define the problem statement and the solutions to it and provide the future scope for the document tracking system.

[3] E-Document Tracking system by Marylene Saldon. This system has helped us in the overall design and methodology of the website.

II. METHODOLOGY

Data was surveyed and gathered from user requirements in order to create an e-document tracking application that would be comparable to the

current system and be simple for users to learn and comprehend. Information was gathered as a source of data for the planning and analysis system during the requirement planning process, and the relevant documents were split into two categories: internal documents and exterior documents. The processing, resource management, and data tracking sections of the research can be separated. Problems with data storing, data fragmentation, data loss, and incorrect data are issues that each area runs into.

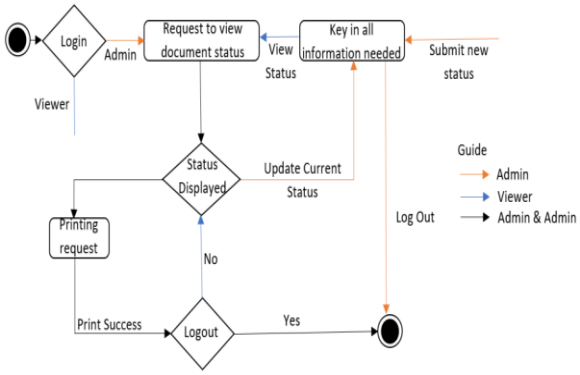

Fig. 1: Flow Chart of working of the project.

Rapid Application Development (RAD) was used in the planning and execution of this initiative. Prototyping is accelerated, in contrast to waterfall techniques, to rapidly adapt to changing requirements in a fast-paced environment. The method is divided into four separate phases according to James Martin's approach to RAD: the requirement planning phase, the user design phase, the construction phase, and the cutover phase.

The technique of software testing known as "black box testing" is used primarily to test without examining the interior workings of a program or piece of code. Black box testing involves two stages: 1) initial analysis of requirements and specs, and 2) selection of legitimate inputs. 3) identifying anticipated results four) creating test scenarios 5) carrying out demonstration scenarios Comparing real results is step six. Fixing and retesting is step seven.

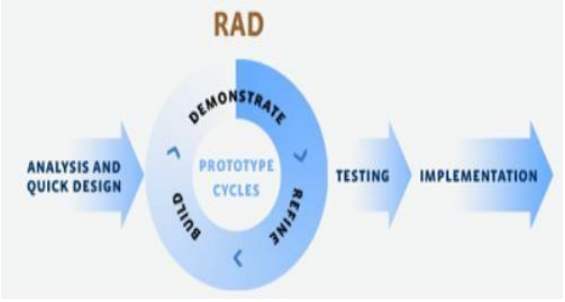

Fig. 2: RAD testing and implementation.

III. EXPERIMENTAL RESULTS

The findings of the experiment were divided into two sections in this chapter: creating an electronic monitoring system based on a web application, and assessing the effectiveness and user happiness of the application.

A. Constructing an electronic document monitoring system.

The online program was created using PHP, HTML, CSS, and Java Script, all of which were integrated with a MySQL database. The outcomes of the online program are shown in Figs. 3 and 4. A subscriber system, search system, classification system, and grid make up the system. It shows the first page. Clicking Get Started causes the system to show a sign-up screen and keep the user's data. A username and password are needed to access the system as a system administrator, and the program that will handle the database's contents.

Fig. 3: Get started page

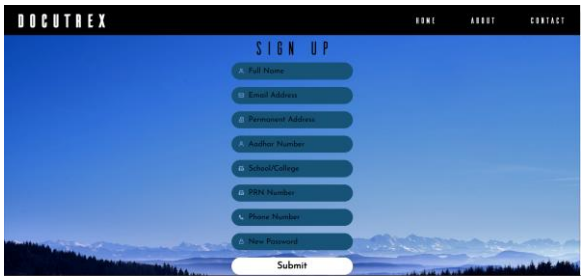

Fig. 4: Sign-Up Page

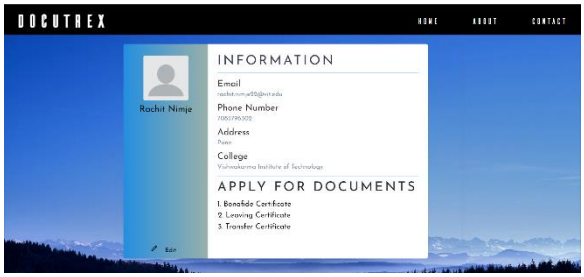

Fig 5: User Profile

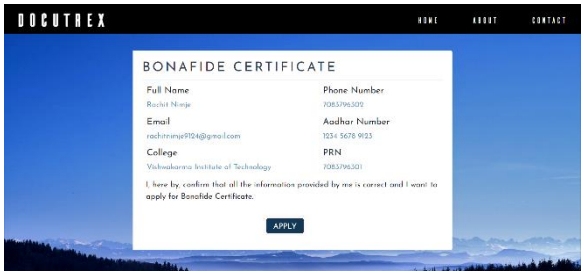

Fig 6: Apply for Certificate

B. Assessing the operation's effectiveness and happiness. Black Box Testing and questionnaires created by experts and drug users were used to test and evaluate the system's performance as well as the happiness of stoners. Since black box testing doesn't directly use knowledge of the underlying structure or regulations, it functions as a "black box." Black Box testing used the functional circumstances test, function test, usability test, performance test, and security test to identify design flaws.

IV. CONCLUSION

In this effort, we created an e-Tracking system based on an online system. This system offers a better way to maintain tabs on the publisher and fix working-day issues. Additionally, both professionals and substance users are happy with the system's performance. Based on the outcomes of this operation, this research shows that the system can accommodate drug users' needs and that it can be helpful for document management. However, this operation needs to be redesigned to satisfy the demands of the new system and adapted to work in other situations.

V. FUTURE SCOPE

The future of a document tracking system looks bright with advancements in technology and increased demand for digital solutions in universities.

Document tracking makes it simple for management to observe the status of the papers in addition to the users.

The document tracking system can provide insights into the organization’s workflow, including the number of documents processed. These insights can be used to identify areas for improvement and optimize the workflow.

Further, this system can be used to automate various processes, such as categorizing documents, identifying keywords, and routing documents to the appropriate admin.

VI. ACKNOWLEDGEMENT

This project was successful with the help of our EDAI guide – **Prof. Smita Mandhane** and our College –**Vishwakarma Institute of Technology**.

VII. REFERENCES

1. Research Paper – Greeshma P
Name of the Journal – Coaching University of Science and Technology.
Helped to Improve the version control of documents.

2. Research Paper – Mohammad Nor Ai'man Jalaudin
Name of the Journal – Universiti Teknologi PETRONAS
Helped us define the problem statement and its solution and provide the future scope for the document tracking system.

3. Research Paper – MARYLENE SALDON
Name of the Journal – EUROPEAN ACADEMIC RESEARCH
Helped in the overall design and methodology of the software.