E-Study Platform

Samiksha Shukla, Yashu Parganiha, Vinay Kumar Paikra, Sachin Kumar Mahilange, Sandeep

Kumar Ekka, Tikeshwar Diwan

Professor in Department of Information Technology, Govt. Engineering College, Bilaspur, C.G. India

Student in Department of Information Technology, Govt. Engineering College, Bilaspur, C.G. India

Student in Department of Information Technology, Govt. Engineering College, Bilaspur, C.G. India

Student in Department of Information Technology, Govt. Engineering College, Bilaspur, C.G. India

Student in Department of Information Technology, Govt. Engineering College, Bilaspur, C.G. India

Student in Department of Information Technology, Govt. Engineering College, Bilaspur, C.G. India

ABSTRACT : An e-study platform that consists of a user login for upload and download purposes. The project is beneficial for students, various learners looking for the platform for study with the ease of availability of the study materials like notes, books, question papers and other things in the form of pdf, docx and pptx formats which will help the learners enhance their knowledge level and better understandings. The E-Study Platform allows the students/users to create their profiles and download all the required materials not including any payment requirements onto the system. The platform also consists of a facility for the user login where various registered users can upload their own notes, books and question papers etc. for the other students, users or learners so that the concept of "Sharing Is Caring" can be made true. The software system allows students, users or learners to view a list of study materials that have been uploaded for others. The admin has overall rights over the system and can moderate and delete any materials not pertaining to the platform's dignity and rules. The system handles uploaders as well as downloaders to upload and download any data and efficiently displays all the data at the whole database panel.

As we have faced the biggest issues of lacking of study materials due to COVID19 Pandemic. So, this project focuses on the provision of the study materials in such a critical time when all the book shops and stores were closed or in normal time. This platform is highly useful, especially for student and selfstudying learners. This platform is being made considering many problems and can be accessible from anywhere at any time for free of cost.

The main objective of the project on E-Study Platform is to manage the database of study materials of students as well as any learners of any age of various courses, colleges and institutes for the ease of availability of the study materials.

Keywords: E-Study Platform, study materials, online materials reading, online platform, online study, e-study, pandemic time study solution, COVID19 study platform.

I.   INTRODUCTION

E-Study Platform is a platform which is based on the need of students while struggling for finding the study materials with the ease of getting it. The project is JavaScript based project. We have developed the E-Study Platform using JavaScript and C# with inbuilt database features. The main modules available in this project are Search module which manages the functionality of searching of study materials, Upload module is normally used for uploading the materials, Whole Database/Download panel contains all the data related to student requirements, Login has all the features of Login and Create Account module manages the functionality of creating an account of any user.

Web Server 2005 version is used for managing the E-Study Platform. In this project we developed features Search, Upload, Whole Database/Download panel, Login etc., which reduces the human efforts and increase the efficiency.
The project E-Study Platform is very useful project to maintain and manage the required study materials of students. This project Attendance Management System can be a software to manage the database of study materials of different courses, colleges or universities.

The main Objective of the Project on E-Study Platform to reduces a learner's effort of searching by integrating the materials of the students of various departments into a single database panel. Study materials retrieval from the database becomes less as the work becomes digitized because of its Searching feature and easy access for students/users because

they can upload, view and download the materials according to their needs. It is also time saving as manual searching is less and productive as well as effective. There is less chance of error. It provides the facility to look into the entries.

II. MODULE DESCRIPTION

Home:
This is basically Home of the Project interface. This interface has a searching feature where a user can search any desired materials by using the searching technique associated with it which consists the options as College, Course, Subject and Topic.

Home page has three other element options like Question Papers, Manual Guidelines and Upload where Question Papers tags can be opted for looking question papers available in the existing database, whereas Manual Guidelines tags provides the user manual about how to use the site in a proper manner for time efficient and less time consuming and have to quick learn about tools and options available for using the platform. And Upload tag can be used for uploading the materials any users and they want to upload those materials into this platform to help others.

Create Account:
This interface provides the facility to create a new user account where any new comer can register oneself into the platform for only one time and after that the user can upload, download or view the database and can do whatever a user is privileged to do in this platform.

While registering a user requires an e-mail id and phone number so that the dignity and privacy of the platform can be maintained and the user also needs to fill up the form box of Name, Username, Password, Date of Birth, gender and Profession as well

Name – The name of the user.
Email- The contact email address for the new account.
Username – The username for the new account.
Create a password – The password for the new account.
Confirm your password – The password you entered in the previous textbox.
Birthday – Date of birth of user for the new account.
Gender – gender of the user for the new account.
Profession- Student, Teacher or other professions to be selected.
Mobile number- The contact number for the new account.

Log In:
This is the panel where an existing user can log into the account for accessing or to upload or to view the existing materials of the data records. A registered user can log in using the username and password and if the user forgot his/her password then it can be reset by clicking the 'Forgot Password' tag.

An unregistered user can directly click on the 'Register' tag to register oneself into the platform and then the 'Create New Account' page will be opened where the user will need to fill up the form to create an account for the first time.

Search Panel:
By using this interface, a user can search the existing materials available in the database. This interface has a searching feature where a user can search any desired materials by using the searching technique associated with it which consists the options as College, Course, Subject and Topic.

Upload Panel:
This module gives the facility to upload the materials into the platform. A user needs to create an account to upload anything into the platform but a registered user can directly upload the desired materials into the database.

While uploading any stuff into the platform, a user needs to fill up the box of details like College, Course, Subject, Year/Semester so that it would be helpful while searching by the user and the uploader will also have to fill the Name and Email box for the authentication and security purposes.

And also, if the uploader is a student then he/she can check the Yes/No check box of 'Are You A Student?' and then after filling Course name and Year/Semester, a user can upload the documents successfully.

Database/ Download Panel:
By using this interface, a user can download the required materials, or can see the whole database from where he/she can download the desired materials.

Here the database will be automatically arranged in the sorted form like Serial Number, Name of Material, Course name, College name and 'Download' option associated with every material so that a downloader can easily download the required materials.

Comment Box:-
Comment box will be there below to every content where one user can communicate with another so that the transparency among the users can be increased.

Description Box:-

Just below to any content uploaded, there will be a description box where some minor details about the content will be showing like Uploaded By, Number of Pages, Number of Views, Time of Uploading etc.

User Control Panel:-

Every user will be provided an interface to control the activities like Profile Editing, Deletion of Content, Show All Contents, Profile Deletion, Logout etc.

Copyright Report:-

There will be an option for copyright strike where any user can report it to the admin. This copyright strike option will have two sections; one as description box about content for copyright strike and second as original content links or details where striker can paste a original link or details.

No. Of Users & Materials:-

This feature helps to show the number of active users, number of total materials uploaded in this platform in the homepage of the platform.
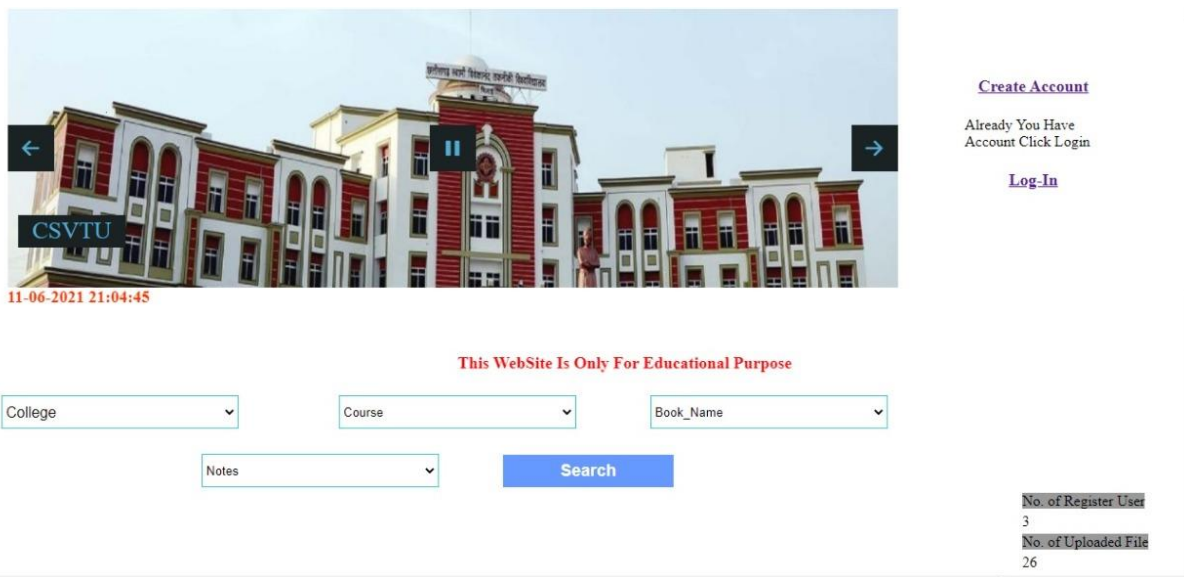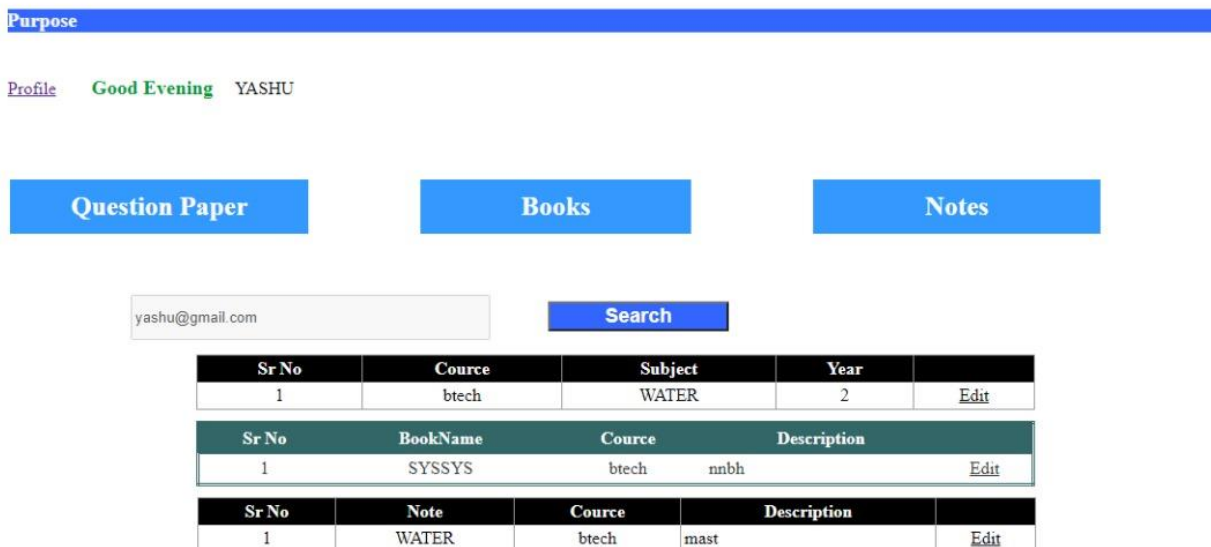

Image: Homepage of the project

Image: User Control Panel

III.   METHODOLOGY USED IN THE PROJECT

In the project, we have used Water Fall Model Approach in our project, in which following steps have been taken:-
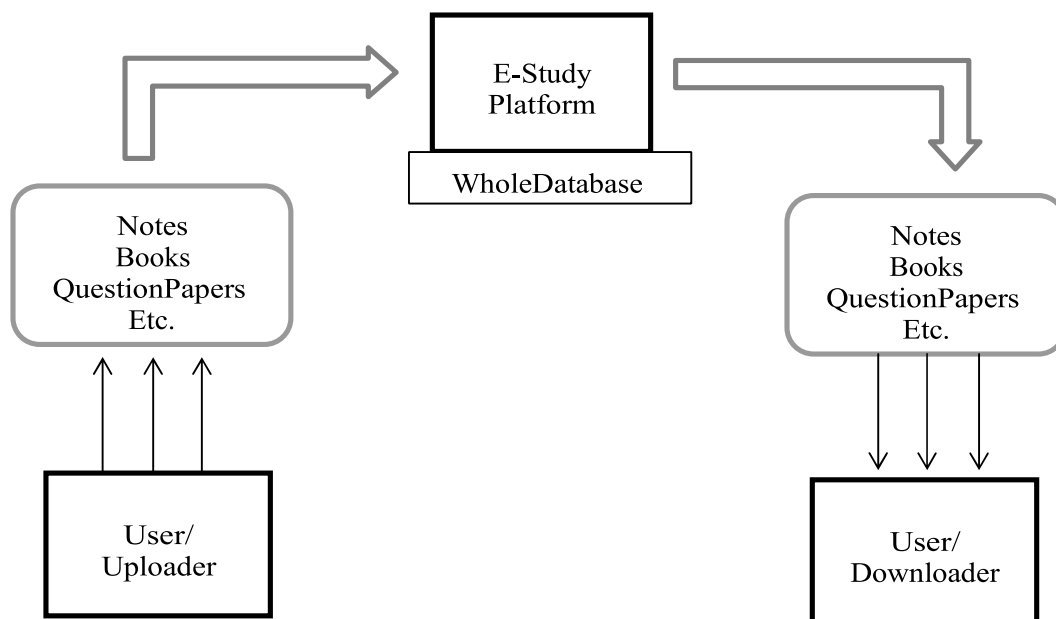
•   System & Software Requirements
•   Analysis
•   Design
•   Coding
•   Testing
•   Maintenance

Waterfall Model:

The Waterfall model has been around for over 40 years. It was first portrayed in a 1970 paper (Dr Winston W Royce), as one of the absolute first conventional programming improvement measure models.

We regularly portray Waterfall as a 'straight consecutive lifecycle model'. This implies that it follows a straightforward design of stages where the consequences of each stage course down to a higher degree of improvement. All in all, we're less taking a gander at one major Niagara Falls, yet a progression of falling cascades – each with their own little pool of exercises.

Data Flow Diagram Of The Project:

In the project 'E-Study Platform', the flow of data/materials can be seen in above data flow diagram easily. The data/materials which are as Notes, Books or Question Papers in the form of PPTX, PDF, DOCX formats, uploaded by the user/uploader are directly being stored into the database of the system which can be, in other end, accessible by the other user/downloader in the same formats. So the data in this platform flows form one user to another through the database panel of the platform.

IV.   FUTURE SCOPE OF THE PROJECT

We faced the biggest issue for the availability of study materials due to COVID19 Pandemic Period. So, this project focuses on the provision of the study materials in such a critical time when all the book shops and stores were closed or in normal time. In the growing technological world, everyone wants not to bear the weights of heavy books, notes but wants to some portable mode to study/gain knowledge, so this project will be helpful for upcoming age/generations so that no one need to bear the pressure of the heavy materials. This project will be so handy because of its feature of portability.

V.   CONCLUSION

This platform is highly useful, especially for student and self studying learners. This platform is being made considering many problems and can be accessible from anywhere at any time for free of cost. Implementation of this project will be really helpful in the field of education/study.

REFRENCES

[1].Internet
[2].www.wikipedia.org
[3].www.w3schools.com
[4].www.javatpoint.com
[5].www.stackoverflow.com
[6].www.tutorialspoint.com
[7].www.quora.com etc.