

# Online Notes Sharing Site

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**ABSTRACT:** Online notes sharing site is a web-based notes sharing and management system which helps students and teachers to share their notes online effectively. It reduces the wasting of time in manually distributing notes to everyone. It greatly overcomes the lack of availability and converts the manual old school paperwork to a fully automated and managed online system. Online notes sharing site allows its users to securely register and log in to their individual accounts and create, read, update, delete notes according to their needs. It provides notes to everyone in a very secure manner. Multiple users can work in this system at the same time under centralised supervision by the administrator. It is a very useful notes management system for Colleges, Schools, and other Institutes to manage and share their notes in a secure, efficient, and effective manner.

The objectives of the system are to reduce manual paperwork. Reduced sharing and distribution time, Increased reliability, increased operational efficiency, Data security, This Notes Management System can be readily used by non-programming personnel avoiding human handled chance of error.

**KEYWORDS:** Online notes sharing, Notes sharing site, Engineering notes.

## I. INTRODUCTION

This Online Notes Sharing Site project is a web application which is developed in python Django. In this python Django project students and faculty can upload engineering subject notes through the notes sharing process users can upload and view the study notes uploaded by others. Users can also edit the notes uploaded by him in this project to a major module that has been provided administrator mode and user module. In this project, we have used Pycharm as IDE and HTML, CSS, JavaScript as Client side technologies. We have used python as Server side technology and SQLite as Database server.

In this project, we have two modules, first one is user module and second is admin module. In the user module, User can login in his/her profile and can upload the engineering notes, which the user wants to share online and the user can also share various subjects already shared notes and also search the notes which the user wants to download. In this project, users can upload notes in format like PDF, Doc, PPT, Zip, jpg, jpeg, png. And for users there is a dedicated page on our site where users can directly generate any query to admin or user can ask for any specific subject notes from admin to be shared on site. For new users, there is a signup page where new users can sign up themselves and create a login id and password for themselves to get logged in. After logging in, User can see his/her profile on home page and using navigation bar user can go to upload notes page where user has to select his/her branch, enter subject name, choose the notes, choose file type and also user can write some description about the uploaded notes and then user can click on submit button and submit their notes on online notes sharing site but now the recently uploaded notes are only visible to the user till the notes get approved by admin. And then the user can navigate to my notes page where the user can see his uploaded notes and can also see the status of the notes. Users can also change their password, view all uploaded notes which were uploaded by other users and approved by admin, users can edit their profile and logout from the user module.

In the Admin module, Admin has more powers. Admin can login in his admin module using admin login page, after logging in admin will see admins module home page from there admin can directly navigate through notes like pending notes, accepted notes, rejected notes, all notes. Using the top navigation bar admin can hide their left navigation bar and can also change the theme colour of the admin module and can also change the password using the setting button. And using the left

side navigation bar admin can click on the view notes button in which admin can select to see which notes like pending notes, accepted notes, rejected notes and all notes. In the pending notes page, admin can see all those notes which were uploaded by users but the notes are not accepted or rejected by admin, once admin assigns the status to any notes they can be seen in accepted notes or rejected notes in the admin module. In the user section in the admin module, admin can see the users that are sign up on this site and if admin wants admin can take action and can delete any user from the site. And from the contact queries section admin can see the read and unread queries asked by the users and then admin can easily logout using the logout button.

## II. LITERATURE SURVEY

The Impact of Technology on College Student Study Habits - It is an annual series of reports conducted by McGraw-Hill and fielded by Hanover Research. The report highlights the survey of more than 2,600 college students. It shows that students are embracing technology for its ability to help them learn more effectively through continual feedback. The reports stated:-

- On average, students report that 85% of their preferred study spaces would be impossible to study in if not for technology such as a laptop or smartphone.
- When it comes to total usage, laptops still rule: 86% of students report using laptops “often” or “all the time”; 57% of students report using smartphones as frequently.
- Technology increases engagement across the board: Students report that technology increases their engagement not only with course materials (77%), but with professors (64%) and fellow students (50%).

The report clearly shows how technology is helping students to learn better.

Various websites and research papers have been published and created which helps us in our online notes sharing project. A few of them are listed here:

- Vioric-Torri, C. & Alexandrache, C. (2012): The study reflects how educational technology influences the learning styles of students and how to form and develop the competences of learning in the new generations.
- Aglasem: Online Portal that provides previous year question papers and answer keys related to different competitive exams and some universities semester papers.

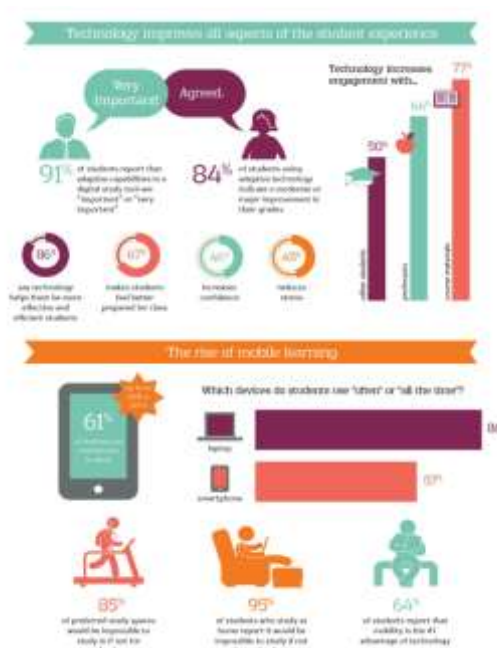


Fig. 1- Impact Of Technology On Students Study Report by McGraw-Hill

- The Physics Classroom: It is a website which only provides notes and tutorials related to the various fields of Physics.
- Kelly, L., & Breault, K. (2006): The objective of the research project was to gain insights into how students and teachers are using the internet and what they are looking for when they access websites.
- TutorialsPoint: The website provides tutorials on a variety of related topics of computer science and technology. Provides pdf notes for the same and provides competitive guidance tests.
- Used Books Factory: It is an online marketplace to sell old books of different subjects.
- Aglasem: An online portal that provides last year's questionnaires and answer keys related to various competitive tests as well as some semester papers for universities.

After a brief study of related activities, it has been identified that all of these websites have different project functions proposed but none of them have all the features in common. Also, there is no such website where sharing class notes can be done outside of social media. Our project was developed remembering all these situations.

## III. METHODOLOGY ADOPTED

The Waterfall methodology follows a chronological process and works based on fixed dates, requirements, and outcomes. With this

method, the individual execution teams aren't required to be in constant communication and, unless specific integrations are required, are usually self-contained. Team members also tend to work independently and aren't expected to provide status reports as often as with the Agile approach. Usually, one phase doesn't begin until the previous one is finished.

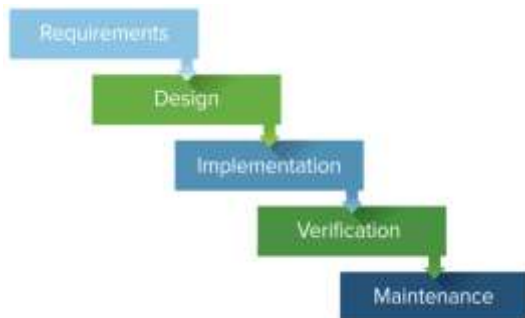


Fig. 2- Architecture of WaterFall Methodology

(i) Requirements: The Waterfall methodology depends on the belief that all project requirements can be gathered and understood upfront. The project manager does their best to get a detailed understanding of the project sponsor's requirements. Written requirements, usually contained in a single document, are used to describe each stage of the project, including the costs, assumptions, risks, dependencies, success metrics, and timelines for completion.

(ii) Design: Here, software developers design a technical solution to the problems set out by the product requirements, including scenarios, layouts,

and data models. First, a higher-level or logical design is created that describes the purpose and scope of the project, the general traffic flow of each component, and the integration points. Once this is complete, it is transformed into a physical design using specific hardware and software technologies.

(iii) Implementation: Once the design is complete, technical implementation starts. This might be the shortest phase of the Waterfall process, because painstaking research and design have already been done. In this phase, programmers code applications based on project requirements and specifications, with some testing and implementation taking place as well. If significant changes are required during this stage, this may mean going back to the design phase.

(iv) Verification: Before a product can be released to customers, testing needs to be done to ensure the product has no errors and all of the requirements have been completed, ensuring a good user experience with the software. The testing team will turn to the design documents, personas, and user case scenarios supplied by the product manager to create their test cases.

(v) Maintenance: Once the software has been deployed in the market or released to customers, the maintenance phase begins. As defects are found and change requests come in from users, a team will be assigned to take care of updates and release new versions of the software.

#### IV. SYSTEM ARCHITECTURE

**Use Case Diagram:** Use case diagrams consist of use cases and actors, which shows the interaction between them. The main purpose of the use case diagram is to show the interaction between the use cases and the actor and to represent the system requirement from the user's perspective as well as admin perspective in different different cases.

##### (i) Use Case Diagram Between Admin And System

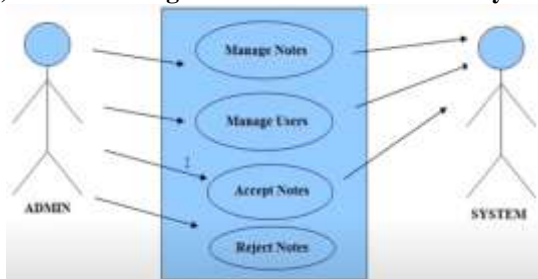


Fig. 3- Use Case Diagram Between Admin and

System.

##### (ii) Use Case Diagram Between User And System

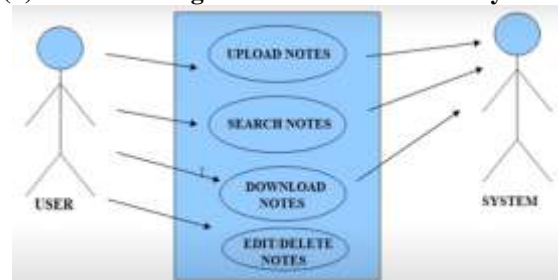


Fig. 4- Use Case Diagram Between User and System.

**Data Flow Diagram:** A data flow diagram (DFD) maps out the flow of information for any process or system. It uses defined symbols like rectangles, circles and arrows, plus short text labels, to show data inputs, outputs, storage points and the routes between each destination.

A data flow diagram (DFD) is a visual representation

of the information flow through a process or system. DFDs help you better understand process or system operation to discover potential problems, improve efficiency, and develop better processes.

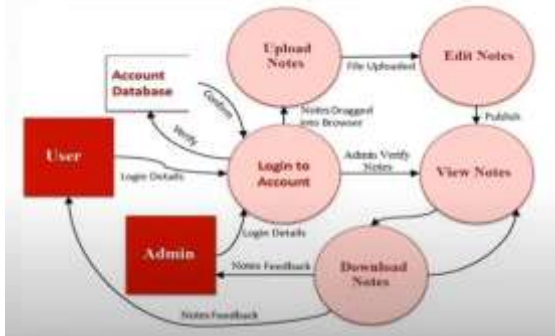


Fig. 5- Data Flow Diagram Of The Project.

### CONCLUSION

The main purpose of this web application is to allow a number of people to easily get access to a variety of engineering subject notes without any problem of getting wrong or improper notes.

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