

PROJECT REPORT

DIU Notes Sharing Portal

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Abstract:

We decided to work on a very innovative and creative idea which is a note sharing web app made with python and Django. As a student of Daffodil International University, we always thought if there were a supporting hand for us to do help with our course materials. After some research and discussion, our team finds out a great idea. We decided to make a portal where all of the students as well as teachers of the Daffodil family can be connected. Because we can make a great community together which is enough to make our course materials rich. So, we made [Diu Notes Sharing Portal](#), where we can share all the materials about our courses as well as for our educational purpose. A simple web app can connect our whole community under one roof where we can help ourselves for the betterment of our community.

Introduction:

DIU Notes Sharing Portal is a solution to a common problem for our students. In every course, we have to learn a lot of things in a short period. Some external course materials can help a lot in this

kind of situation. If we can create a connection between our seniors or teachers. They can help us a lot with these types of course material. So, we find out a Technical solution to this problem. We will make a web portal for the connection between students and teachers. With the help of this portal, the students can find out various types of course materials which is uploaded by the seniors and the faculty members. Some basic features of these web portals are - students and faculty can upload all types of files and documents, links, images, PDF etc. for the related courses and related topics. The users (students) can search the topics materials with the course's name and can download all the materials for those courses. A dedicated admin panel will support and judge all the file types to maintain the quality of the site.

Objectives and problem discussion:

The motivation for this project came from a simple problem. To learn better in any course, we have to learn from other extra materials. but the problem is every time

we do the same work that our seniors have already done, which is searching for the materials. So, a simple help from our seniors can save a lot of time from our courses. The previous notes which have been done by our seniors can help a lot. The main motivations were - It is tough to find out some great sources for external materials.

1. It takes a huge time to find out these external course materials and helpful links
2. There is no such digital method to make connections with our seniors to take advice for our upcoming courses.
3. This coronavirus situation also makes it tough to communicate with our seniors and our faculty members.
4. Some good notes and links became wasted because there is no such kind of places where we can store important notes and PDF for our juniors.
5. If there were a portal for Digital solution to store this PDF and notes then we would easily access them and use for courses.
6. Our faculty members also cannot find a great way to share their materials with lots of students.
7. If there were such kind of portal, we can find the notes from all faculty members. Even if we don't get their physical classes.
8. Previous questions are an important part for the better practice of a course.
9. There is no such interactive portal to get all the previous year questions for our examination

10. Sometimes a Technical solution is very effective rather than the physical attempt to get notes from our faculty members and seniors.

so, our objective for this web portal was to solve these kinds of problems to get notes and course materials from our seniors as well as faculty members with creative and interactive online solutions.

Related researches:

We found some previous works on this topic. But none of them is customized for a better platform for sharing study materials. On the other hand, security is a main issue for these kinds of sites. For example:

“StuDocu” is a platform where you can find some study materials but their systems are paid.^[1]

“NotesHub” is another platform to share study materials. But as their developing region is India, they do not follow the basic curriculum of our country.^[2]

“Studydrive” is a platform where we also can find out notes. But their database is not rich & cannot be customizable for our own university.^[3]

“Google Drive & Cloud Hosting”, they have paid plans after a certain amount of data storage and the sharing process is almost private.^[4]

So, it is better to make our own web portal for our university study material sharing community.

Proposed Method:

We are using Python coding language and Django for this project. we decided to make a web application because web application is more accessible to the mass population.

1. **Language:** we used python as the developing language of this project.
2. **Framework:** we take Django as a data frame work for project. it is so popular framework which includes python other markup languages to develop a web project.
3. **Design:** we used HTML CSS and bootstrap 4 for the design for the design purpose of this web application
4. **Database:** we used Django as a framework and he created database backend for our web app.
5. **Server:** we used pythonanywhere server to host the web project online. pythonanywhere is a free server who is give us access to host our web application online made with Python for free of cost.
6. **Making process:** Firstly, we designed our application with the help of HTML CSS and bootstrap codes. after that we used Django and python to run the web app correctly. to create the database, we used Django model class. after making the project on our localhost we hosted our web on pythonanywhere server.

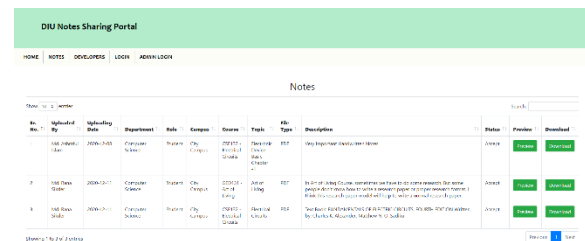
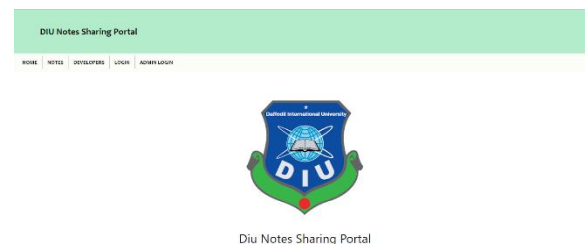
7. **Key features:** the web application has an admin panel. admin panel will judge all the notes and after that they will accept the notes to maintain the quality of our website. Students have to login to download the notes. student or faculty members can upload any notes on any courses of any topics by creating a simple account on the website.

Result:

The link of our web application is --

<https://diunotessharingportal.pythonanywhere.com/>

Here are some screenshots of the final output of our web application --



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DIU Notes Sharing Portal

DIU Notes Sharing Portal

[ES](#)
[UPLOAD NOTES](#)
[VIEW MY NOTES](#)
[LOGOUT](#)
[Admin \(55.44.44.44\) *](#)

[illegible][illegible]

DIU Notes Sharing Portal

HOME

NOTES

DEVELOPERS

LOGIN

ADMIN LOGIN

Admin Login

Email Address

Enter Email

Password

Enter Your Password

login

DIU Notes Sharing Portal

[NOTES](#)
[DEVELOPERS](#)
[LOGIN](#)
[ADMIN LOGIN](#)

Discussion:

This web application is designed for the general user. the UI design is very simple to use. Preview and download buttons are also provided. the main key feature of this web application is the search unit. any student can search naming their courses, topics, faculty, course code and many other tags. the file type is also described which makes this web application more comfortable to use.

Acknowledgement:

This Project report maintained the proper basic structure of an ideal research paper (project). It's approved by the OOP-II course of the CSE department of Daffodil International University. Authors email address....

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Conclusion:

Our team believes that simple Python made web application can change the future of the education system for Daffodil International University.

References:

1. StuDocu

<https://www.studocu.com>

2. Noteshub

<https://noteshub.co.in/>

3. Studydrive

<https://www.studydrive.net/>

4. GoogleDrive

<https://www.google.com/docs/about/>