

Code With Destroyers

Student Welfare System (SWS)

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Problem Statement

The MNNIT campus lacks an intra-college Communication Application. There is a requirement to develop a website or application for MNNIT students to communicate with each other, post their doubts, answer the queries and lend their notes. There is also a requirement for a lost and found portal and a student's buy/sell portal.

Proposed Solution

- **SWS** (student welfare system) website specifically designed for MNNIT Students that can help them to communicate with each other using SWS chat app Feature.
- It can help student's to ask doubt and answer queries using SWS Community Feature.
- It can help student's to lend their notes using SWS notes feature.
- It also has lost and found portal specially designed for Posting lost/found items and their description
- SWS has a student's Buy/Sell Portal to search for Buyers/sellers for their used items

Implementation Details With Tech Stack

Front end:-Html, CSS, Javascript, Bootstrap , J query

Backend :- Python, Django Framework

Database :- sql lite3

SWS website uses Django framework (Django is a high-level Python Web framework that encourages rapid development and clean, pragmatic design. Built by experienced developers, it takes care of much of the hassle of Web development, so you can focus on writing your app without needing to reinvent the wheel. It's free and open source.)

SWS application has 5 modules :-

1. Community Module

Community Model is divided in two Section

1. Posting Question
2. Answer The question

Question can be asked to some specific group like department, answer can be down voted and up voted like quora.

User can reach community module by 1 : login to the website 2 : clicking on community tab.

Every user is reachable you can search them or you can click on their profile to message them
Community has two tables for storing questions and answer and their respected information

2. Chat App Module

Chat app is modern app it has feature of sending and receiving message every user has a different chat box where he can receive and send message Chat app has two tables for message and transaction app is inspired from WhatsApp .

3. Buy/Sell Module

Buy/Sell module has two functionality , buying and selling . User can add their and post and can see other things which are for sell users can communicate with each other. from Buy and Sell can contain used items as well as new items

4. Lost/Found Module

Lost/Found Module has two functionality , user can search form search bar and find their thing if it is SWS database and can Communicate with user . Other function is match, user can find things on the basis of matching

5. Notes Module

Notes Module is a type of Wikipedia for MNNIT students user can find and can upload their notes on this module this has 6 section user can go to those section and can download their notes

WOW Factor!!

SWS has four unique feature :-

- 1 . User can up vote and down vote to specific answer.
- 2 . Finding lost items on the Basis of matching.
- 3 . Reward for students who returns lost items.
4. Students can sell their item that are no used to them. :)

Future Scope

1. In future it can also be launched as mobile app
2. Implementation of a specialised alert system for female students that will send location and help message to parents and selected friends.
3. GPS locations of student who are friends can find them easily using this system
4. Library Management System can be added to the app for students
5. Image recognition for lost items and text matching AI system in description given by user.