STEVENS COMMUNITY HUB

Team Members :

1. Vamshi Kumar Reddy Kovvuri
2. Harshil Chetankumar Modh
3. Akbar Pathan
4. David Kim

Introduction:

Stevens Institute of Technology Community Hub combines multiple features of other applications into a single, easy-to-use application. Users can post course reviews and pictures and provide feedback to other users' posts with downvotes, upvotes, and comments. Each user can have a profile page to display personal details. Users can also search for campus information, such as course reviews, other users, and campus events. This portal serves as a centralized hub for students, enhancing their ability to stay informed, engage with peers, and navigate campus life efficiently.

Motivation

Stevens offers various applications to assist students in their academic and campus life. However, these informational portals are not integrated into a single platform, requiring students to create multiple accounts across different applications. Additionally, international students often struggle to understand the available courses and frequently feel uncertain about which courses to take. This project aims to address these issues by providing a unified platform that simplifies access to essential information and improves the course selection process.

CORE FEATURES:

1. **User End**

1.1 User Profile Module :
   a. The landing page displays posts from other users.
   b. User profile page containing personal information.
   c. Users can edit their personal information, delete/deactivate their accounts, and reset their passwords.

1.2 Discussion Forums Module :
   a. Users can post about anything which can include images and polls, and they can also start a discussion about it(similar to reddit).
   b. Users can comment on other users discussion forum and these comments can also include images.

  c. Sort the forum by most upvoted, down Create polls

  d. Users can filter a forum according to the votes or by the time stamp.

  e. Users can also upvote or downvote a particular comment in the forum.

  f. Users can report a discussion forum.

1.3 Course Reviews Module:

  a. Users can search for a department at Stevens by the department name.

  b. Users can search and filter the course list.

  c. The course landing page shows the course name, course code, short course description, course rating, difficulty rating, and a list of reviews from other users.

  d. Users can rate a course on a scale of 5. The user rates each course based on the course's structure and curriculum.

  e. Users can give ratings on a scale of 1-3 for the difficulty of the course.

  f. Users can post reviews on a course and can delete their reviews about a course.

  g. Users can edit their reviews but are limited to only editing once per review.

  h. Users can upvote or downvote other users' course reviews.

  i. Users can only post one review per course.

  j. Users can also post reviews for a course anonymously.

  k. Users can report a review.

1.4 Campus Resources Module:

  a. Users can search for offices, athletic centers, professor's offices, academic buildings, etc., to find their locations on campus.

1.5 Resource Sharing Module :

  a. Admin will create predefined tags and categories such as NodeJS, Java, etc., which would help a student in their academics.

  b. Seach and filter for resources.

  c. Users can report a particular resource as irrelevant or offensive.

  d. Users can upvote and downvote a particular resource.

  e. User should be prompted with an alert box if he/she tries to create a new tag/category.

2. Admin End

  a. Can create and delete student accounts.

  b. Post announcements about important events or disruptions on campus to alert the students.

  c. Manages the Campus Resources module to ensure up-to-date and accurate details about offices, athletic centers, and administrative buildings.

  d. Can delete departments, courses, and course reviews if necessary.

EXTRA FEATURES:

1. Two-factor authentication with OTP via email to ensure safety.
2. Sign in / Sign up with Google.
3. Users can request that the admin add any missing components, such as courses, departments, etc., to the portal.
4. Users can report offensive/fake reviews.
5. Users can add other users as friends.
6. Users can create tags and add them to their discussion forums.
7. Users can search or filter forums according to the tags.
8. Email functionality wherever possible and needed.
9. Users can delete comments on his/her discussion forum.

GITHUB LINK:

https://github.com/KVamshiReddy/stevensCommunityHub