Student-Faculty Interaction Portal

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About the Project

To ensure effective communication with students, the university needs to consistently operate where students interact, and increasingly, that is on digital platforms. We know that students are inundated with information. Therefore, it is critical that we have an effective, valuable and commonplace to share important information to support student life in and out of the classroom. A single sign-in portal will be a powerful and important tool for the success of the students. Our goal is to create a dynamic student portal that acts as a gateway for quick dispersal of information to all students. The portal will address the student need for relevant and effective information sharing and allow students to contribute and learn from each other.

Entities in the Project:

There are basically three entities involved in our project

1. Student

   Functionalities of Student entity

   - Students can log in into the system.[write]
   - Students can ask their subject related query in the Q-A forum which will be shown to all other students and faculty also. Students can also answer the questions which were asked by other students. [read/write/create]
   - Students can download important materials like assignments, presentations which will be uploaded by their professors. [read]
   - Students can also upload their reports as a part of assignment submissions.[write]
   - Students can also do course registration for a particular semester[read/write]

- Students can also give feedback to the faculties which are taking courses in their current semester. [write]
- Students can view and edit their profile. In the profile page, students were also able to see their attendance in each course they have taken. [read/write/update]
- The student can use the system only after registering in the system. [write]

2. Faculty

Functionalities of Faculty entity

- Faculty can login into the system [write]
- Faculty can add answers to the queries of a student in the Q-A forum [read/write]
- Faculty can upload course assignments. [write]
- Faculty can also download all the reports which are uploaded by students as a part of their course assignment submission. [read]
- Faculty can also approve or disapprove the course for a particular student who is willing to take his/her course. [read/write]
- Faculty can also mark each student's attendance every day. [write]
- Faculty can also check the total attendance of every student for his/her particular course. [read]
- Faculty can also check the feedbacks of students given to him/her, but in this case, the student will be completely anonymous to him. [read]
- Faculty can also view their profile. [read]

3. Admin

Functionalities of Admin entity

- Admin can log in into the system [write]
- Admin can see the total number of faculties and students registered in the system. [read]
- Admin can add a new faculty in the system with his basic details like his name,email-id, course he is going to take etc. [create]
- Admin can see details of each and every faculty, he can change the details of any faculty and can also remove any faculty from the system. [read/update]
- Similarly, admin can also see details of each and every student and can also remove any student from the system. [read/update]
- Admin can also see feedbacks given by each student to different faculties. [read]
- Admin can also see average feedback for a particular faculty. [read]

ACM - Access control matrix

	SignUp or Log in	Q/A forum	Study Material or Assign-ments	Assign ment Submiss ion	Course registra-tion	Feedback	Profile	Attenda-nce	Student	Teacher
Student	Read/ Write	Read/ Write	Read	Write	Write	Write	Read/ Write	Read		
Teacher	Write	Read/ Write	Write	Read	Read/ Write	Read	Read/ Write	Write		
Admin	Read/ Write					Read			Write	Write