

IIIT Research

OVERVIEW

Build a fully functioning website using Python Flask as backend, HTML / CSS / JavaScript for the frontend and SQLite as the Database. This website should be a place to share, learn, follow the research done by students and professors of our college. It should be like facebook for IIIT Research.

FEATURES

1. **Home Page**
 - 1.1. Dashboard where a student can write about the research that he/she is currently doing. Must also mention their field of interest and the Prof under whom they are doing their research.
 - 1.2. TimeLine - Each student must have the ability to follow Profs or Labs. Everytime any of the Prof or the Lab posts something on their page it must be shown on the follower's timeline.
 - 1.3. Students must be able to **Like / Vote** for the research work that they like.
2. **Professor Page**
 - 2.1. The Dashboard should be different when the Professor logs in compared to the student i.e Here the Professor should be able to post his work, see all the work which the students under him are working on currently.
 - 2.2. Prof can also follow another Prof and hence he should also be able to see the work that his fellow Profs are doing.
 - 2.3. Should also contain the Lab that they are currently working in.
3. **Lab Page**
 - 3.1. This should have a listing of all the Labs in IIIT and all the Profs who are working in their respective labs.
 - 3.2. Upon choosing any of the Professor you should be able to view their most recently published works.

4. **Trending Page**

- 4.1. This page should contain details about the most liked research work.
- 4.2. It can also contain the most followed professors in IIIT.
- 4.3. This could also show which Lab has the most publications recently.
- 4.4. You can get creative here and show more things which you think are trending.

5. **Search Page**

- 5.1. Here the student / Prof must be able to search for research based on the following fields - (Make your DB Tables in such a way so that retrieving results based on these fields is easier)
 - 5.1.1. Student
 - 5.1.2. Professor
 - 5.1.3. Lab
 - 5.1.4. Field of Interest

These are some of the features that I could think of but don't let these points stop you. You have full freedom to extend this to any level. There is a lot of scope to get creative and make your website very interesting. Time to let your imaginations run wild and get really creative!