**SLOP – 2022 PROPOSALS**

**TEAM:**

**Personal details:**

1. **Name:** Aditya Khattri

**GitHub:** <https://github.com/adityakhattri21>

**LinkedIn:** <https://www.linkedin.com/in/aditya-khattri/>

1. **Name:** Manish Madan

**GitHub:** <https://github.com/ManishMadan2882>

**LinkedIn:** [https://www.linkedin.com/in/manish-madan](https://www.linkedin.com/in/aditya-khattri/)-79aa371b6

1. **Name:** Vaidik Singh Nirwan

**GitHub**: <https://github.com/Vaidik1308>

**LinkedIn:** [https://www.linkedin.com/in/](https://www.linkedin.com/in/aditya-khattri/)vaidik-singh-nirwan-b837351b2

**About Us:**

We are freshers pursuing Engineering from Dayananda Sagar College of Engineering, Bangalore. We are beginners in Web Development and this is the first time we are contributing to Open Source.

1. **Blog App**

**Why this project:**

This project is developing a general portal for publishing exam results at Universities. The project is completely based on Web Application. Front-end of the project is designed with HTML, CSS, Javascript, ReactJS and the Back-end includes Python Flask framework. The user data is stored in the SQLite Database.

As we are beginners in Web Development we find this project as a medium to get our hands on the Flask framework and get clear understanding about REST API architecture. Contributing to this project will be a good start to Open Source.

**Current State:**

Currently the application is linked to SQLite database using the REST API methods of POST and GET. The Model Schema of the Database consists of User Information such as Roll number,Marks in Physics, Chemistry, Mathematics and English. The Student Login model is made using two parameters Username and password. The already registered Users data is fetched into an array and the User is successfully logged in after authenticated. The application makes use of Python Flask framework for routing.

The front-end of the application provides to sign in as two modes of user – Administrator and Students. It also includes a user Sign in/up form.

**Proposal:**

1. We plan to integrate a login/register page with appropriate changes at the database. User will be asked for his/her Full name ,e-mail , password during registeration.
2. Administrator can add/delete any subject for the student. Marks for a particular subject can be updated.
3. We can further create a User Interface that contains marks of students in their respective subjects
4. A search bar will also be provided where the administrator can search profile of any student by providing their ID.
5. Further we are also willing to add some updates such as the students can access the schedule for their respective courses. The Administrator can update the attendance. The attendance percentage will be updated on every students profile.
6. Changes in back-end will include but are not limited to customizing RESTful routes , making the code more readable by adding appropriate comments , making necessary changes in db schema. We are planning to make these changes as well as are open for any suggestion regarding our proposal as well as addition of new features.