

SPL2 Project Proposal Form, 2023
Institute of Information Technology (IIT)
University of Dhaka

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Project Title: SPL Management System

Project Description:

SPL Management System is a web based application which will help the Institution of Information Technology at DU to manage its Software Project lab (SPL). This application will help the SPL committee to assign supervisors in SPL-1, SPL-2, SPL-3. It will help the SPL course evaluators in evaluation of both continuous and final marks.

Scope of the Project:

This project has these following features:

- **Account:** There are four types of accounts. These are:
 1. Admin account
 2. Student account
 3. Supervisor account
 4. Co-ordinator account

Admin will monitor this application and authenticate the users. Supervisor and co-ordinator also the admin of this application. Users will create an account, log-in into their account and the Password recovery option will be available.

- **Supervisor Assigning:**
 1. **SPL-1:** Supervisor will be assigned randomly by matching their interest with the teachers.
 2. **SPL-2:** Students will form a team, then they'll select a supervisor willingly. Rest of the students who can't manage the supervisor (as one supervisor can take only one team) will share their ideas and the system will match the ideas with teachers' interest by maintaining hierarchy. Then a supervisor will be assigned for those teams.
 3. **SPL-3:** Supervisor will be allocated automatically for those students who can't manage supervisor. This allocation will be through checking whether teachers and students' interest get matched or not.

- **Project Room:** After allocating supervisor, students and teachers will be in a separate room which has a title where they can run conversations about the project. Before entering any room, teachers will be able to choose the SPL program (SPL-1/2/3) and in this way they can differentiate the students with respect to the SPL program. **Teachers will be able to notice in the project room.**
- **Activity Tracking:** Coordinator will maintain the progress as the form of attendance.
- **Notification:** After the final selection of supervisor students will be notified. Coordinator will be able to post any instructions such as SPL guidelines.

Languages or Tools to be used:

Frontend: HTML, CSS, Javascript, ReactJS

Backend: NodeJS, Express

Database: MySQL

Supervisor's Name: Moumita Asad _____

Signature of the supervisor: _____

Date: _____

Before the Midterm Presentation 1:

I confirm that the progress is satisfactory and I am forwarding it for midterm presentation.

Signature of the supervisor: _____

Date: _____

Midterm 1 Presentation Feedback:

Midterm 2 Presentation Feedback (if any) :