

Software Project Management Application (SPMA)

The main purpose of the application is to provide a platform where students of IIT can manage their Software project course. The application should be self-managed by the students with least administrative involvement. It should also be modular for future expansion. Following are the features/services that the system should provide:

- **Batch:** There will be a provision of adding students as the member of the application. The Project Coordinator, an assigned teacher, also the admin of this application, should add one or more students to the application, called CR. The CR can add his/her classmates to the system. To add a Student member following information will be needed – Student Roll Number and Student Name. The admin will registrar him/herself by giving his/her Name and ID. The admin can add other teachers as the supervisors with the same information.
- **Group:** The application should have group entity, and each group should be created by the Project Coordinator. Each group may contain one or multiple number of students. Each group should also have a group name, project title and a supervisor.
- **Activity and Marks distribution:** Each of the group requires to present their progress weekly to the coordinator. Coordinator will maintain the progress as the form of attendance, that is, if the progress is satisfactory, the student will get the attendance otherwise will be considered as absent. The sum of attendances will be converted to 10 marks. There will be one project proposal presentation carrying 10 marks, one Mid presentation carrying 10 marks and one Final presentation carrying 10 marks. The code review (10) and project showcasing (10) will consist 20 and Final report 20. Rest 20 will be given by the supervisor. Coordinator will post the marks time to time. A student will be able to see her marks.
- **Post:** All the activity related notices will be posted by the CR. All the notices should automatically be posted on the Facebook group. (All project related data that is code and reports should be kept in the github). github link for each of the group will be available in the application. Any timely activity notice should also be on the upcoming activity corner.

(Security, login and logout are intentionally left for the simplicity)