

Software Requirement Specification

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Project ID: 03

Project Details:

Project Name	Student Activity Log
Domain	PS
Stack	Python Stack (AI)

1. Problem statement

To automate the process of computing final student activity for academic purposes, the PS Committee needs a web-based Activity log Portal. Activity log should be fair and accurate, and the portal must ensure all of these things.

2. Introduction:

2.1 Purpose:

PS student activity Portal is to automate the process of using the academic hours usefully and to track the students activity to maintain a record of their activities.

2.2 Product Scope:

The final PS student activity portal will be implemented in the form that students can use the portal for getting permission for the respective activities in the respected venue and get access and completion status of the work from the respected staff.

2.3 Product Value:

Students and Teachers will have a better overall project management experience as a result of the process automation, which saves time and maintains students' activity record in a proper manner.

2.4 Intended Use:

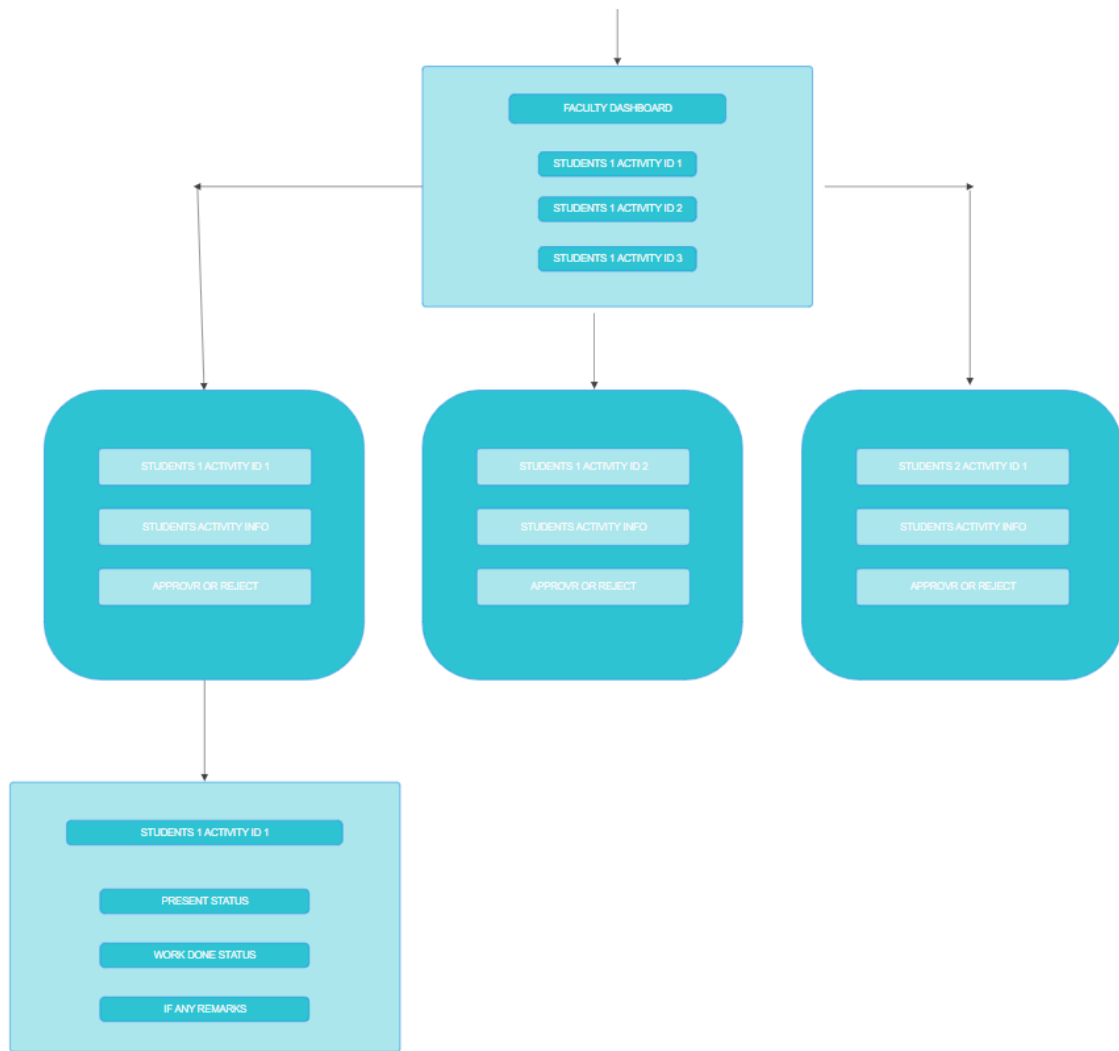
The purpose of this Student activity log is to assist students and teachers who are in charge of assessing student work. Students input the permission to the respective staff to access the place. Teacher oversees the intention of the students and grants permission.

3. System overview:

3.1 User's:

1.Students:

Students can access the logger page for asking permission and informing the intention of the form to the respected staff and provide the complete roadmap of what are they working on in the form of a document after getting permission and update it every single time until the time period ends.



4. Stack Architecture and Infrastructure:

Front-end	HTML, CSS, JavaScript
Back-end	Python Stack (AI), Django
Database	MySQL
API	RESTful services

5. Dependencies

5.1 Google Authentication

This dependency includes ensuring seamless integration with Google's authentication services, such as OAuth, to allow users to securely log in using their Google accounts.

5.2 Proper Working and Performance of the Database:

Retrieval, storage, and management of participant, project, and Effective evaluation metric data are ensured via a high-performing database. Create a well organized, normalized database design that can include all the necessary data pieces, including activity IDs, access permissions, and work logs.

5.3 Proper Hosting:

This involves selecting a hosting company that can accommodate the expected demand and usage rates of the platform with enough resources, scalability, and reliability. Additionally, sufficient security measures should be provided by the hosting environment to safeguard user data and stop illegal access.

6.Functional requirements:

☐ User Management:

- Admin can log in with an account and book their venue for required time and venue.
- students can pre book the venue and do their works without activity log students will not be able to work at special labs or other common platforms

☐ Faculty dashboard:

- The faculty dashboard shows various activity IDs and can select a particular ID to approve or check the worklog.
- Faculties can access your project progress and your active performance
- Final reports show with detected plagiarism percentage, based on categories admin can give marks.

- Worklogs for PID will be shown automatically after selecting a particular ID.

- Admins can view the Reviewer mark and team communication mark.

☐ **Student dashboard:**

- Students dashboard shows various activity IDs and can select a particular ID to pre occupy the seats.
- Students can formally ask permission to indulge in the specific activity.