Software Requirement Specification

Student Name: BRUNDHA M

Roll No: 7376221SE110

Seat no:89

Project ID: 09

Project Details:

Project Name	Reward points calculation portal for TAC
Domain	Skills
Stack	LAMP Stack

1. Problem statement

To automate the process of computing final reward points for student projects, the Technical Approval Committee (TAC) needs a web-based Reward Point Calculation Portal. Reward point calculations should be fair and accurate, and the portal must ensure all of these things.

2. Introduction:

2.1 Purpose:

TAC Reward Points Calculation Portal is to automate and speed up the process of calculating a project's final reward points by taking into account, also include team's communication, work log, final reports, plagiarism, and review marks.

2.2 Product Scope:

The final reward point calculation for student projects will be automated via the Reward Point Calculation Portal for TAC. It will include features such as team communication, work logging, reviewer submissions, plagiarism detection, and project management. The portal intends to ensure accurate and equitable reward point computations while simplifying the evaluation procedure.

2.3 Product Value:

Reviewers and Administrators will have a better overall project management experience as a result of the process automation, which saves time and maintains reward point distribution.
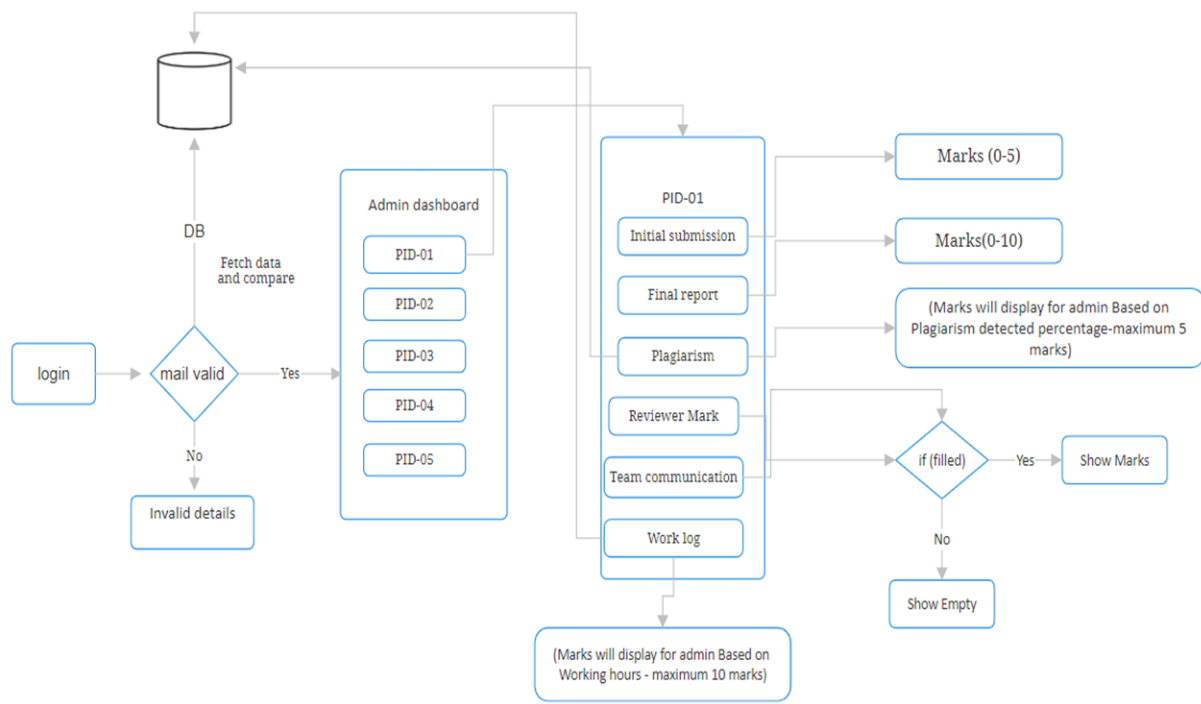
2.4 Intended Use:

The purpose of the Reward Point Calculation Portal for TAC is to assist administrators and reviewers who are in charge of assessing student work. Reviewers input reviewer marks, check for plagiarism, interact with project teams, and keep track of working hours. Administrators oversee projects and assign incentive points.
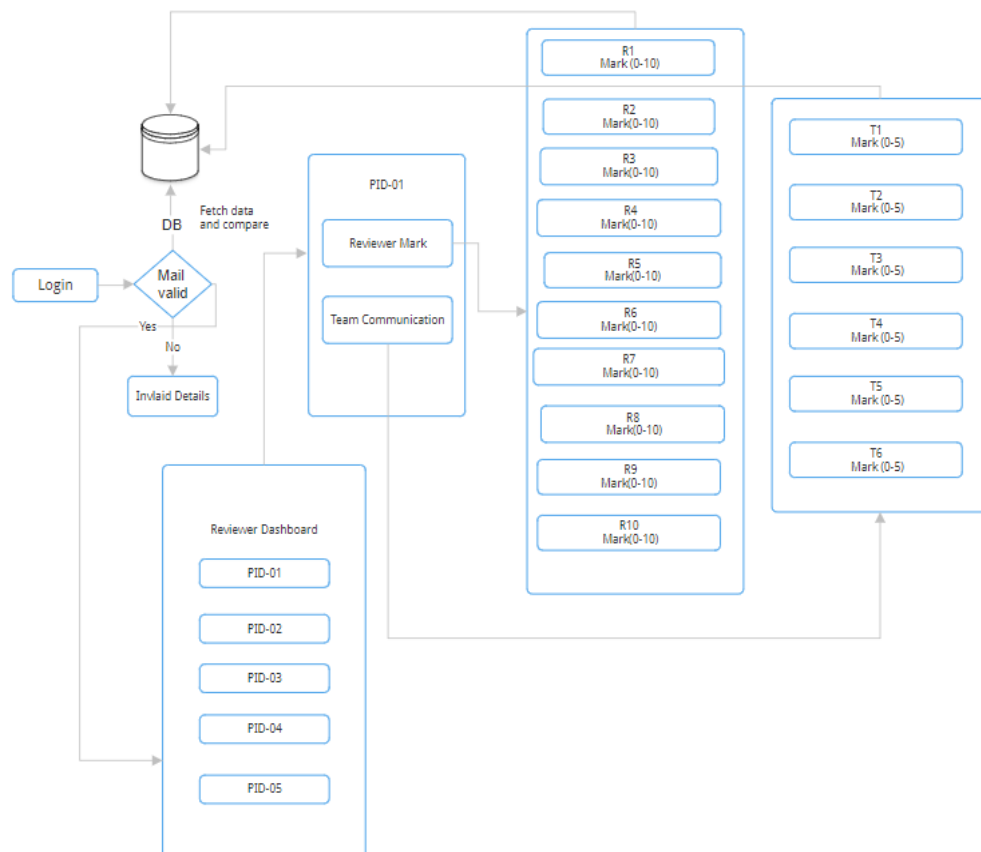
3. System overview:

3.1 User's:

1. Administrator

Administrators can access Initial submission and Final document. And provide marks based on their uniqueness. They can see the plagiarism detected and their marks, and they can also able to see review marks, team communication marks and work log marks. Based on this mark they are supposed to do final reward points distribution.

2.Reviewers:

Reviewers can upload review marks of ID on ten rubrics each out of 10 marks and they can upload team communication marks of ID on 6 rubrics each out of 5 marks.

4. Stack Architecture and Infrastructure:

Front-end	HTML, CSS, JavaScript
Back-end	LAMP
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 project IDs, reward points, 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 account and have access for calculating total rewards points distribution.
  - ○ Reviewers can log in and have access to enter the marks.

- ➢ **Admin dashboard:**

  - ○ The admin's dashboard shows various PIDs and can select a particular ID for awarding RP for TAC.
  - ○ Admins can access initial submission marks and final report marks.
  - ○ 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.

- ➢ **Reviewer dashboard:**

  - ○ Reviewers dashboard shows various PIDs and can select a particular ID for awarding marks for TAC.
  - ○ Reviewers can access the reviewer's marks and team communication marks.

Login Page

Admin Login

Admin Dashboard

Search

PID	Name	Department	Year	project-domain	Review-date	Marks
PID-01	padma	CSE	3	Software	02.05.2024	Portal
PID-02	sas	CSE	2	Software	03.05.2024	Portal
PID-03	Leena	EEE	3	Hardware	02.05.2024	Portal
PID-04	sandhiya	ISE	3	Software	04.05.2024	Portal
PID-05	Sanjay	ECE	2	hardware	04.05.2024	Portal

Admin Dashboard

PID-01

Initial Submission	Enter Mark
Final Document	Enter Mark
Plagiarism	3
Reviwer Mark	Not yet filled
Team Communication Mark	Not yet filled
Work Log	8

Submit   Reset

Reviewer Login

Reviewer Dashboard

PID	Name	Department	Year	project-domain	Review-date	Reviewer Mark	Team communication Mark
PID-01	padma	CSE	3	Software	02.05.2024	Enter marks	Enter marks
PID-02	sas	CSE	2	Software	03.05.2024	Enter marks	Enter marks
PID-03	Leena	EEE	3	Hardware	02.05.2024	Enter marks	Enter marks
PID-04	sandhiya	ISE	3	Software	04.05.2024	Enter marks	Enter marks
PID-05	Sanjay	ECE	2	hardware	04.05.2024	Enter marks	Enter marks

Team Communication Mark

PID-01

Collaboration	4
Communication Clarity	4
Division of Labor	3
Conflict Resolution	4
Meeting Attendance	5
Adaptability	

Submit   Reset

Reviewer Mark

PID-01

Content Knowledge	8
Delivery	7
Visual aids	6
Time Management	8
Engagement	7
Creativity	
Clarity of message	
Team Work (If applicable)	
Q/A session	
Overall Impact	

Submit   Reset