STUDENT NAME	PRADEEP A
ROLL NO	7376221CD131
SEAT NO	209
PROJECT ID	09
PROJECT TITLE	REWARD POINTS PORTAL FOR TAC

Implementation Timeline:

Phase	Deadline	Status	Notes
Stage 1	03.05.2024	On going	Planning and Requirement gathering
Stage 2		Not started	Design and Prototyping
Stage 3		Not started	DB Designing
Stage 4		Not started	Backend Implementation
Stage 5		Not started	Testing & Implementation

PROBLEM STATEMENT:

Build the portal to automatically compute the final reward points of the TAC projects when the reviewers submit the review marks. The RP includes

(i) Initial Submission

(ii) Final Report

(iii) Plagiarism of final report

(iv) Review Marks

(v) Team Communication

(vi) Work Log

PURPOSE:

Develop a Reward Point Calculation Portal for TAC (Technical Approval Committee) to streamline and automate the process of computing final reward points for projects. The portal should integrate various project evaluation criteria including Initial Submission, Final Report quality, detection of plagiarism in the final report, Review Marks provided by reviewers, effectiveness of Team Communication, and adherence to Work Log.

STAKEHOLDERS:

Only the Faculty from Bannari Amman Institute of Technology with their Bitsathy mail.id can access the Website.And Some of the things can be applicable only to Admin to edit the Information.

1. TAC Administrators: Admin can view overall portal management, including project submission, review coordination, and reward point calculation.
2. Reviewers: Tasked with evaluating projects, providing Review Marks, and inputting Team Communication scores.

S.No	Marks	access
1	Initial Mark Submission	Admin
2	Final Report Submission	Admin
3	Plagiarism checker	Admin
4	Reviewer Mark	Admin & Reviewer
5	Team Communication Mark	Admin & Reviewer
6	Work log	Admin

Technical Component:

Full Stack-Python Stack (AI):

FRONT END	• HTML • CSS • JS
BACK END	• Python • Django (Python Web)
DATA BASE	• PostgreSQL • MYSQL
API	• OpenAPI • SOAP APIs • RESTFUL API

Functional Requirements:

1.User Authentication:

- Admin Login: Granting access to all functionalities related to Initial Submission, Final Submission, and Work Log also reviewer status.
- Reviewer Login: Enabling reviewers to input review marks and assess team communication.

2.Reward Point Calculation:

- Initial Submission: Automatically assign 5 points upon submission.
- Final Report Submission: Award 10 points by default.

3.Plagiarism Detection:

- Less than 30% plagiarism: Deduct 5 points.
- Less than 50% plagiarism: Deduct 3 points.
- More than 50% plagiarism: No points awarded.

4.Reviewer Marks: Allocate 60 marks based on evaluations (scaled from 100).

5.Team Communication: Allocate 10 marks based on evaluations(scaled from 30)

6.Work Log: Assign points based on hours logged:

- 0-10 hours: 2 points.
- 10-30 hours: 4 points.
- 30-70 hours: 8 points.
- Above 70 hours: 10 points.

Non-Functional Requirements:

1.Security:

- Keep user data and project info safe.
- Make sure only authorized people can access certain parts.

2.Usability:

- Make it easy for people to use with clear navigation.
- Work well on different devices and screen sizes.

3.Performance:

- Make it work fast.
- Test it to handle lots of people using it at once.

MARK DETAILS:

S.No	Mark Details	Marks
1.	Initial Submission	5 Marks
2.	Final Submission	10 Marks
3.	If any plagiarism found in final submission Mark will provided by following conditions, ● Less than 30% - 5 Mark ● Less than 50% - 3 Mark ● Greater than 50% - 0 Mark	5 Marks
4.	Reviewer Mark (Evaluated in 10*10=100 & convert to 60 Mark)	60 Marks
5.	Team Communication Mark (Evaluated in 6*5=30 & convert to 10 Mark)	10 Marks
6.	Work log, ● 0 to 10 hrs - 2 Marks ● 10 to 30 hrs - 4 Marks ● 30 to 70 hrs - 8 Marks ● Above 70 hrs - 10 Marks	10 Marks

Total -100

PROJECT WORKFLOW:

➢ **PLANNING AND REQUIREMENTS:** Understand what the client needs for the portal. Make a clear plan based on their requirements.

➢ **UI/UX AND PROTOTYPING:** Show the client how the portal will look and work, using tools like Figma. Get their feedback and make any needed changes.

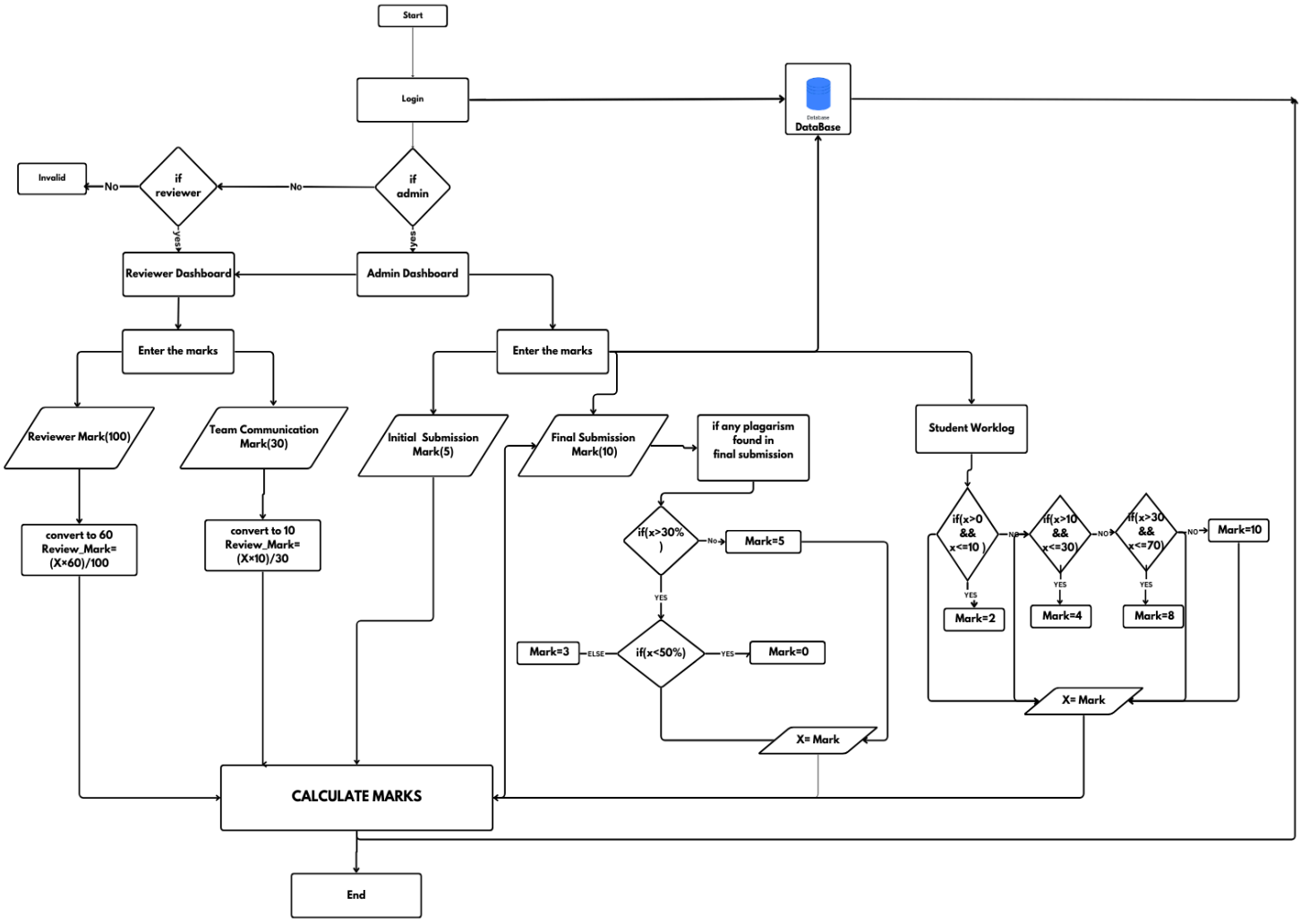
➢ **FRONTEND:** Once the design is approved, start building the part of the portal that users see and interact with. Use HTML, CSS, and JavaScript to create a user-friendly experience.

➢ **DATABASE:** Collect and store project data and user information in a database. Choose a database system like PostgreSQL or MySQL to manage this data securely.

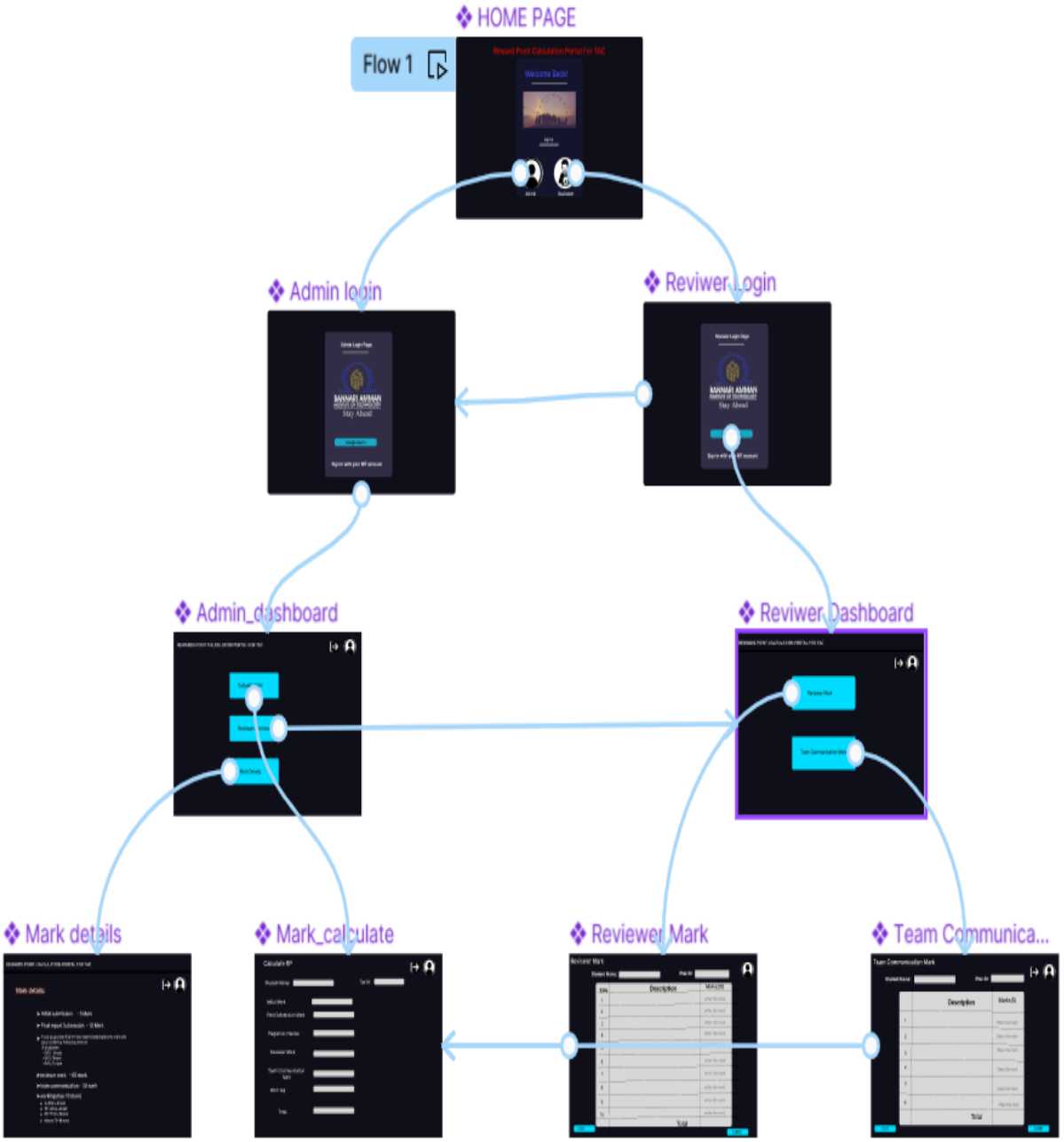
➢ **BACKEND:** Create the logic that connects the frontend with the database. Verify user credentials and manage project data. Python with Django can be used for this part.

➢ **API:** Set up APIs to let different parts of the portal communicate with each other. This ensures smooth interaction between features like plagiarism detection and review marks.

FLOW CHART:



FRONT END:


HOME PAGE
Flow 1
Admin login
Reviwer Login
Admin_dashboard
Reviwer Dashboard
Mark details
Mark_calculate
Reviewer Mark
Team Communica...