



BANNARI AMMAN INSTITUTE OF TECHNOLOGY
An Autonomous Institution Affiliated to Anna University - Chennai, Accredited by NAAC with A+ Grade
Sathyamangalam - 638401 Erode District, Tamil Nadu, India

Student Name : SANTHIYA S

Seat No : 115

Project Id : 35

Project Title : Innovative Idea Submission Portal

Technical Components:

Component	Technical Stack
Frontend	Angular.js
Backend	Java with Spring Boot
Database	MySQL
API	OpenAPI

Implementation Timeline:

Phase	Deadline	Status	Notes
Stage 1	03.05.2024	Under Review ▾	Planning and requirement gathering
Stage 2		In Progress ▾	Design and prototyping
Stage 3		Not Started ▾	Database designing
Stage 4		Not Started ▾	Backend implementation
Stage 5		Not Started ▾	Testing and integration

PROBLEM STATEMENT:

In the academic environment of BIT Sathy, there is a pressing need to develop a portal where students can submit innovative project ideas for faculty approval. Faculty members will review and assign marks to projects, with only those scoring 50% or above being selected. The portal will streamline communication by sending automated email notifications to students regarding their project status. It aims to enhance collaboration between students and faculty, fostering a supportive environment for project development. The system will ensure transparency in the selection process and facilitate efficient data management through a centralized database. By implementing this portal, the college aims to promote student innovation, research advancement within the institution.

PROJECT FLOW:

Purpose:

The purpose of the project is to develop a web-based portal for a college to facilitate the submission, review, and selection of innovative project ideas proposed by students. The portal aims to streamline the process of project submission, provide a platform for faculty members to review and approve/reject project ideas, and implement a selection mechanism based on faculty ratings.

Scope:

The scope of the project includes:

Designing and developing a user-friendly web portal accessible to both students and faculty.

Implementing user authentication and role-based access control.

Creating forms for students to submit project ideas, including relevant details and supporting documents.

Developing a review interface for faculty members to evaluate and provide feedback on project submissions.

Incorporating functionality for faculty to assign marks to approved projects.

Implementing logic to calculate marks for each project and selecting projects with a score of 50% or higher.

Setting up email notifications to inform students of the status of their project submissions.
Ensuring security measures are in place to protect user data and prevent unauthorized access.

Business Context:

The college aims to foster innovation and creativity among its students by providing a platform for them to propose and develop their project ideas. The portal will facilitate the identification and selection of promising projects, which may receive further support and resources for implementation. Additionally, the portal will streamline the administrative process for faculty members involved in reviewing and approving project submissions.

Considerations:

User experience design to ensure ease of use and accessibility for both students and faculty.
Integration with existing college systems or databases, if applicable.
Compliance with data privacy regulations and policies.
Scalability to accommodate a growing number of users and project submissions.
Regular maintenance and updates to address any issues or feedback from users.

Dependencies:

Availability of resources (e.g., development team, hosting infrastructure).
Integration with external services (e.g., email service provider for notifications).
Compliance with college policies and regulations.

User Persona:

Students: Enthusiastic learners looking to showcase their innovative ideas and gain recognition for their projects.
Faculty Members: Experienced educators and mentors responsible for evaluating and guiding student projects.

User Stories:

User stories represent the needs and goals of users in the system.

As a student, I want to submit my project idea along with relevant details and documents.

As a faculty member, I want to review student project submissions and provide feedback.

As a faculty member, I want to assign marks to approved projects based on predefined criteria.

As a student, I want to receive email notifications regarding the status of my project submission.

Functional Requirements:

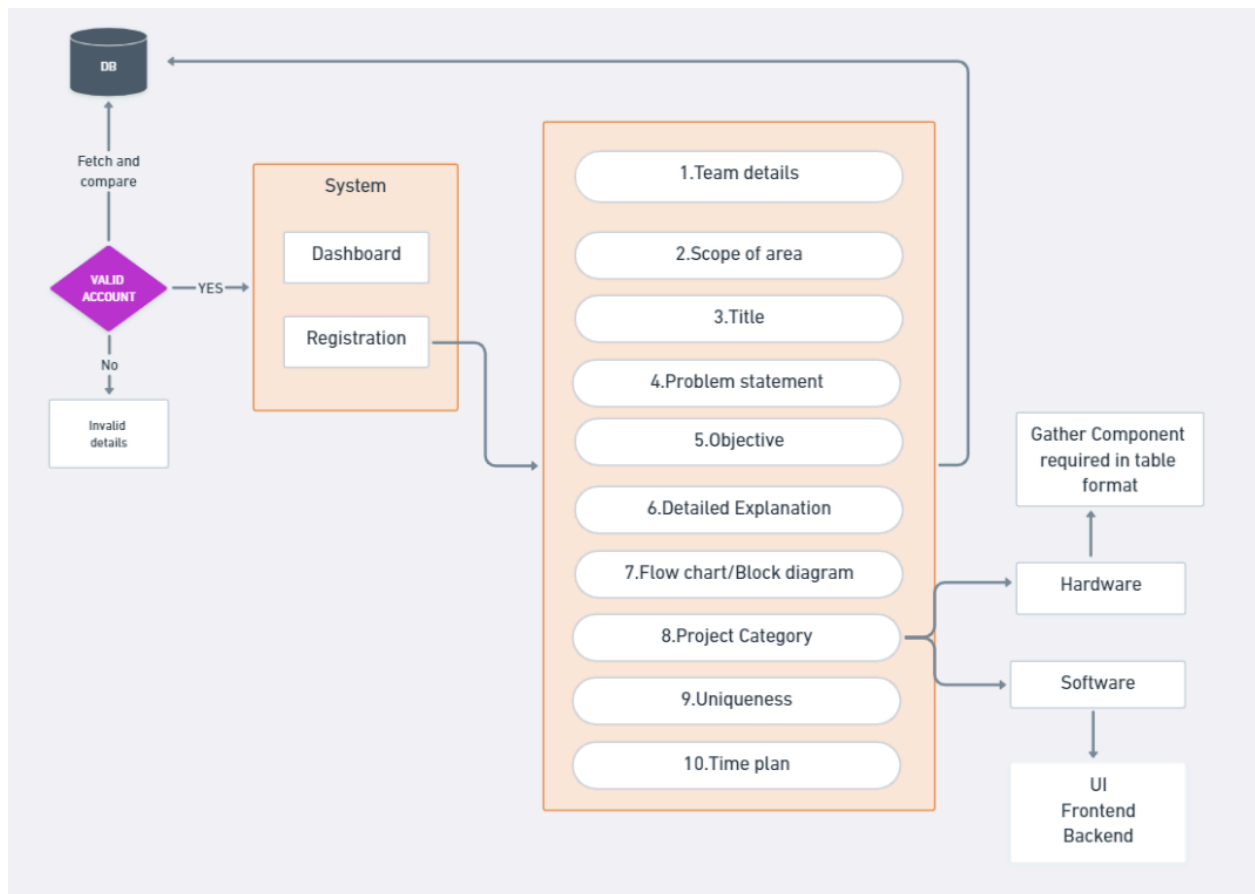
User registration and login functionality: Users (both students and faculty) should be able to create accounts on the portal using their email addresses and set up passwords. Once registered, they can log in securely to access the portal's features.

Project submission form: This form allows students to submit their project ideas for faculty approval. It should include fields such as title, description, objectives, attachments (for supporting documents or presentations), uniqueness (to highlight the novelty of the idea), flow chart, components required, and a time plan. These fields help students articulate their project proposals comprehensively.

Faculty review interface: Faculty members should have access to a dedicated interface where they can review submitted projects. This interface should allow them to enter marks based on predefined evaluation criteria and provide feedback to students. Projects scoring 50% or above are considered for selection, while those below are rejected.

Email notifications: The portal should automatically send email notifications to users to keep them informed about the status of their project submissions. These notifications could include updates on whether their project has been approved, rejected, or requires revisions. Email notifications help maintain communication and transparency throughout the selection process.

User's Interface



Admin's Interface

