Name	GURUKARTHIK B
Roll number	7376221CS157
Seat number	235
Project number	35
Problem statement	Open Innovation Category

PROBLEM STATEMENT:

Develop an online platform tailored to the needs of our campus community, facilitating the submission, evaluation, and approval of innovative ideas proposed by students. The platform should feature separate interfaces for students and faculty members, emphasizing ease of use and efficiency in the idea evaluation process.

Key Objectives:

- Idea Submission Portal: Implement a user-friendly submission portal where students can confidently submit their innovative ideas. Enable students to upload supporting materials such as documents, images, or videos to enhance the clarity and comprehensiveness of their submissions.

- Efficient Evaluation Workflow: Create a streamlined evaluation process for faculty members to assess submitted ideas based on predefined criteria such as feasibility, originality, impact, and scalability. Provide tools for faculty to provide timely feedback and suggestions for improvement directly within the platform.

- Transparent Approval Mechanism: Establish a clear and transparent approval mechanism that communicates the status of submitted ideas to students. Enable faculty members to mark ideas as approved, pending further review, or rejected, ensuring that students receive timely updates on the progress of their submissions.

STACK:

Component	Tech Stack
Frontend	React js
Backend	Java with Spring Boot
Database	MySQL
API	RESTFul API

PROGRESS - TIMELINE:

Phase	Deadline	Status	Notes
Stage 1	03/04/2024	In Progress ˅	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
Stage 6		Not Started ˅	Deployment

PROJECT OVERVIEW:

1. **Purpose**

    Develop an online platform for students to submit, faculty to evaluate, and endorse innovative ideas, enhancing campus creativity and fostering a culture of innovation.

2. **Scope**

    The platform will provide distinct interfaces for students and faculty,

streamlining idea submission, evaluation, and approval processes, promoting efficient collaboration and idea development.

3. **Business Context**

By simplifying idea management, the platform aims to boost campus innovation, enabling seamless interaction between students and faculty, and driving forward impactful initiatives.

4. **Dependencies**

Successful implementation hinges on integrating with campus systems, maintaining a robust database, and ensuring reliable internet connectivity for seamless platform operation.

5. **Database Management System (DBMS)**

The system depends on a robust DBMS for storing and managing event data, user information, proofs, and other relevant data.The database facilitates efficient
data storage and retrieval, ensuring seamless operation of the system.It allows for structured organization and querying of data, enabling effective management of events and proofs.Allowing the User and Administrator to access and edit specific data.

6. **User Personas**
   - Student innovators will submit ideas for evaluation.
   - Faculty members will assess and endorse promising concepts.
   - Administrators will oversee platform functionality and management.

FUNCTIONAL REQUIREMENTS:

1. **User Authentication:**
   Description: Ensure secure access to the platform via university email IDs.
   Features:
   Authentication mechanism using university email IDs. Password protection for account security. "Forgot Password" functionality for secure password recovery.

2. **Idea Submission:**
   Description: Allow students to submit innovative ideas with supporting media.
   Features:
   Submission form for idea entry with multimedia support. Validation checks for data accuracy. Secure submission process.

3. Evaluation and Approval:

Description: Enable faculty to review and approve submitted ideas.
Features:
Faculty dashboard for idea review. Feedback tools for faculty to provide comments. Approval workflow with criteria-based decision making.

4. User Interface:

Description: Design intuitive interfaces for both students and faculty.
Features:
Separate interfaces for students and faculty. User-friendly design for easy navigation. Customization based on user roles and needs.

5. Notification System:

Description: Keep users informed about idea submission and approval statuses.
Features:
Notifications for idea submission confirmation. Alerts for faculty to review submitted ideas. Updates on approval or rejection statuses.

6. Reporting:

Description: Generate comprehensive reports summarizing idea submissions and evaluations.
Features:
Report generation with idea descriptions and evaluation details. Options for exporting reports in various formats. Insights for sharing and analysis.

Strategies to Enhance Workflow:

- Simplified Processes: Streamline the idea submission process with intuitive forms and clear instructions, reducing unnecessary steps and complexities for students.

- Automated Notifications: Implement automated notifications to keep users informed about the status of their submissions, feedback from faculty, and approval decisions, ensuring timely communication throughout the workflow.

- Continuous Improvement: Regularly gather feedback from users and stakeholders to identify areas for improvement in the workflow, user interface, and system functionality, enabling ongoing enhancements to optimize efficiency.

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          │      Page        │      │      Page        │
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Login Page — Fetch Data — Database

Student Home Page

Faculty Home Page

Idea Submission

My Submission

Review Queue

Approval Dashboard

Domain

Description

Novelty

Component Requirements

Approved Projects

Under Review

Student List

Project Updates

Idea Details

Approve / Reject Idea

Feedback

Confirmation

Submission Failure

Student Home Page

Logout

Faculty Home Page