

WORKFLOW DOCUMENT

(OPEN INNOVATION CATEGORY)

STUDENT NAME: Shubashree D M

ROLL NO: 7376221CS311

SEAT NO: 75

PROJECT ID: 35

PROBLEM STATEMENT: Open Innovation Category

TECHNICAL COMPONENTS

Component	Tech Stack
Backend	Django (Python Web)
Frontend	HTML, CSS, JavaScript
Database	PostgreSQL

1. INTRODUCTION

1.1 PURPOSE

The purpose of this document is to provide a detailed overview of the Open Innovation Category module, its parameters and goals. This document describes the project's user interface, hardware and software requirements. It defines how the developers and consumers see the product and its functionality.

1.2 SCOPE OF PROJECT

The system will be a portal for students having innovative ideas and a desire to implement the ideas in our campus to register for the open innovation category.

Students have to provide a detailed description of their idea during submission. The submitted ideas will be evaluated by the admin, who will assess the ideas based on criteria such as uniqueness, feasibility, financial viability, innovation etc. Each idea must meet a minimum score to be considered for approval. Upon evaluation, ideas will be either approved or rejected by the admin, accompanied by valid remarks. Ideas with insufficient details for evaluation will be made available to the respective students for further editing. Notification of idea approval status will be communicated to students via email.

2. OVERALL DESCRIPTION

The system has two active users: Students and the Admin

2.1 STUDENT

2.1.1 BRIEF DESCRIPTION

Students have the access to submit their ideas, view the approval status and edit their ideas on approval by the admin.

2.1.2 DETAILED DESCRIPTION

- **Login:** The student uses his/her registered email id for login.
- **Activity:** The student can monitor his/her previous submissions and current submission status in the activity panel.
- **Submission:** Students provide project details including project domain, team composition, problem statement, idea description, conceptual diagram, hardware components (if applicable)/ software skill set (if applicable), novelty, and project timeline for evaluation.

2.2 ADMIN

2.2.1 BRIEF DESCRIPTION

Admin has the access to approve/reject ideas and enable further editing for an idea. Admin is also provided with a panel to view overall idea submission details and acceptance status.

2.2.2 DETAILED DESCRIPTION

- **Evaluation:** The admin evaluates the submitted ideas and provides scores for each criterion and approves/rejects the idea based on final score with remarks. The admin can also enable further editing if details are insufficient for evaluation.
- **Activity:** The admin dashboard has details of the number of ideas submitted, number of ideas rejected/approved and the number of ideas pending for evaluation.

3. REQUIREMENTS

3.1 FUNCTIONAL REQUIREMENTS

3.1.1 STUDENT

I. User Login:

- a. Given that the user has registered, then the user should be able to log in to the portal as a student.

II. Idea Submission:

- a. The user should be able to submit ideas using the form provided in the submission portal.
- b. The submission form should include details such as domain, team details, problem statement, project title, objective, detailed explanation, concept diagram, components required/skill set required, novelty, time plan.

III. Activity Management:

- a. The user should be able to view his/her submitted ideas along with current status(pending, approved or rejected).
- b. The user should be notified about the status of their submitted ideas (approved, rejected or insufficient information).
- c. The user should be allowed to view the remarks provided by the admin on the submitted ideas.

3.1.2 ADMIN

I. User Login:

- a. Given that the user has registered, then the user should be able to log in to the portal as an admin.

II. Admin Dashboard:

- a. Upon login, the admin should be presented with the total number of submitted ideas, number of pending approvals and number of ideas approved and rejected.
- b. The admin should be provided with a table displaying pending approvals and approval/rejection status of ideas.

III. Idea Evaluation and Approval

- a. The admin should have access to a table of all submitted ideas for review.
- b. The admin should be able to review each idea individually and evaluate them based on parameters such as uniqueness, novelty, realism, financial viability, innovation, etc.
- c. The admin should have access to approve or reject ideas and provide feedback or remarks.
- d. The admin should have the authority to allow edits for ideas if the provided information is insufficient for assessment.

3.2 NON-FUNCTIONAL REQUIREMENTS

Usability

The user interface must be user-friendly allowing easy navigation throughout the submission process and viewing submission status. The submission process must be clear to assist users in filling out the submission form accurately.

Reliability

The system should have a high uptime and error handling mechanisms must handle errors and exceptions gracefully.

Performance

The portal should support concurrent users and respond to user actions in minimum time. Database queries must be optimized to ensure fast retrieval of idea submissions.

Security

User authentication must be implemented using secure protocols to prevent unauthorized access and personal information(username, email-id) must be encrypted.

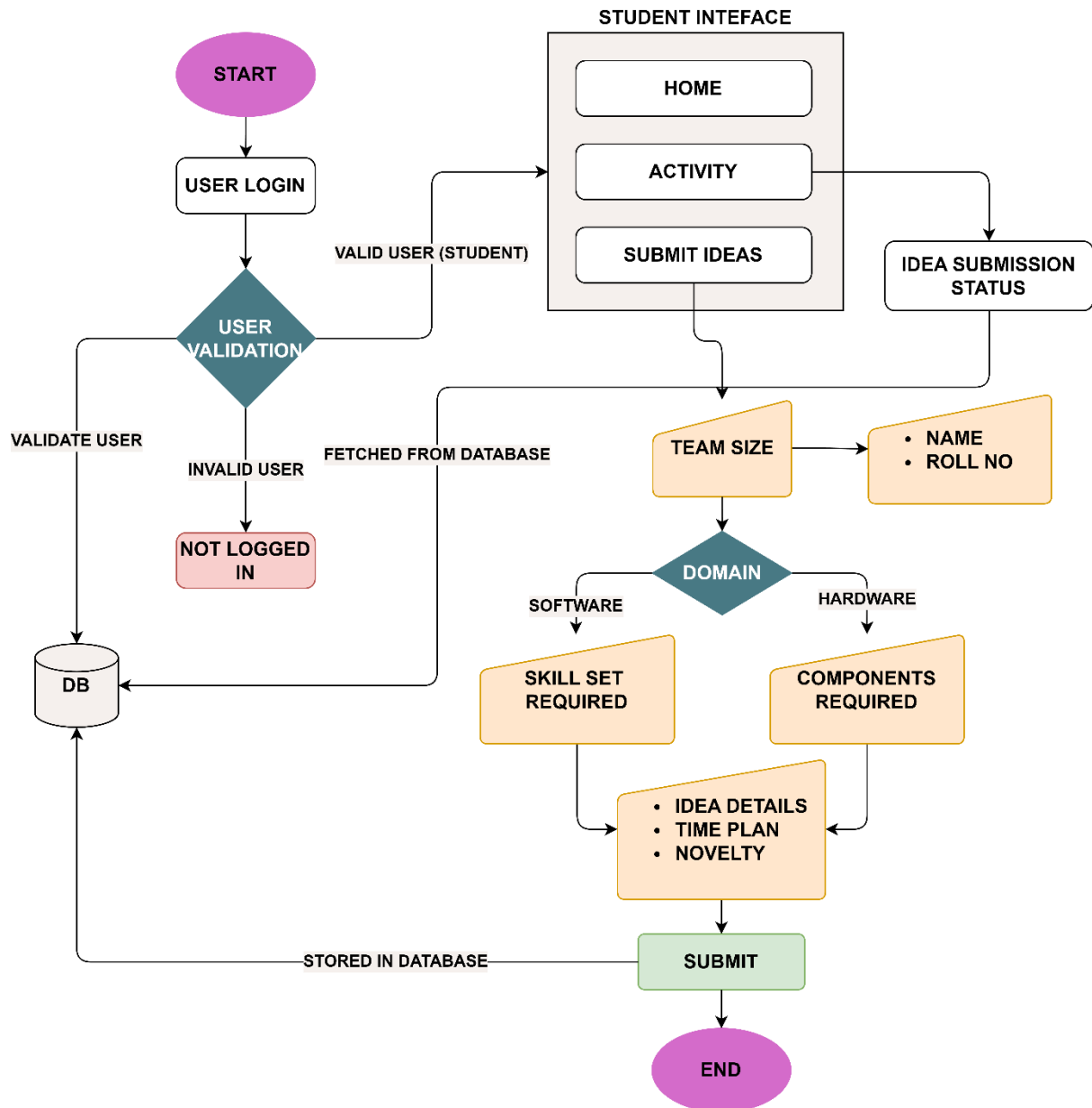
Access to information must be restricted based on user roles (Student/Admin) using role-based access control.

Compatibility

The portal should be responsive and compatible with various devices and screen sizes, enabling easy access from any device.

4. USER FLOW DIAGRAM

4.1 STUDENT



4.2 ADMIN

