INTERNSHIP PROJECT INFORMATION SYSTEM

PROJECT WORKFLOW

The system manages internship project information including students, supervisors, companies, and project submissions. It supports roles like teacher and student.

Public Portal Workflow (Before Login)

Home Page – Welcome Landing

When a user visits the system, they are first greeted by the **Home Page** (/Welcome/Index), which acts as the public entry point. No login is required to access this page. It features a welcoming hero section with a brief introduction to the system, such as how it supports student project and internship management. A prominent **"Explore"** button invites users to continue to the Public Dashboard. The navigation bar includes links to key areas like **Home**, **About**, **Project Roadmap**, **Contact Us**, and **Login**, guiding users through the platform.

Public Dashboard – Overview of the Platform

Upon clicking "Explore" or navigating to /Public/Index, users are taken to the **Public Dashboard**. This page gives an informative overview of the system's purpose and key statistics, all accessible without logging in. It may also display metrics like the number of approved projects, the number of project types and language used. Besides, users can find **Quick Access Buttons** in the navigation bar leading to more detailed sections like Project Ideas and Internship Companies.

Project Ideas – Browse Approved Projects

The **Project Ideas Page** (/Public/ProjectIdeas) allows the public to view student project ideas that have already been approved. Projects are displayed using cards or in a table layout, showing the **Project Title**, **Project Type**, **Language Used**, **Supervisor Name** and **Project Document Files**. This section helps inspire future students or inform the public about current academic efforts. Features like **search** and **pagination** may be included to improve navigation across many projects.

Internship Companies – View Opportunities

The **Internship Companies Page** (/Public/InternshipCompanies) showcases companies that accept student interns. Each company is presented with details such as **Company Name**, **City**, and a brief description of its domain or area of expertise. Users can filter companies by **city** or **domain/sector**, allowing them to explore internship opportunities based on location or interest.

Help / FAQ – Support and Guidance

The **Help or FAQ Page** (/Public/Help) provides clear answers to frequently asked questions. Topics often include **who can use the platform**, **how students submit projects**, and **what deadlines exist**. This section is useful for both students and the public, providing clarity about system usage without needing to contact support.

Login – Transition to Authenticated Access

If a user wishes to go beyond viewing and participate in managing or submitting projects, they must proceed to the **Login Page**. By clicking the **Login** link, they are redirected to the OTP-based login system, where they choose their role (Student or Teacher) and receive a One-Time Password (OTP) for verification. Once successfully logged in, they gain access to personalized dashboards and features restricted to authenticated users.

Final Year Student Workflow

Step 1: Login via OTP

Students access the system using their Roll Number and Email. An OTP (One-Time Password) is sent to the registered email for verification. Only students who successfully verify the OTP can proceed.

Step 2: Role Identification

After authentication, the system determines whether the logged-in student is a **Leader** or a **Member** based on stored database roles.

Step 3: Dashboard Access

- **Leaders** are redirected to a dashboard with full access to manage their project and group members.
- **Members** are redirected to a read-only dashboard where they can view project details and status.

Step 4: Leader Creates Student Profile

If not already completed, the Leader fills in or updates personal information such as Department, NRC details, Academic Year, and other relevant data.

Step 5: Leader Creates Project

The Leader enters project details including project title, description, supervisor information, project type, technology stack (language, framework), and optionally uploads supporting documents.

Step 6: Leader Adds Members

The Leader adds team members by entering their Roll Number and Email addresses. Members can only log in if they have been added by a Leader.

Step 7: Member Login & View Only Access

Members log in with the same Email and Roll Number + OTP process. They have access only to view the project details and team composition without edit privileges.

Step 8: Leader Submits the Project

Once the project details and members are finalized, the Leader submits the project for approval. The system updates the project status to **Pending**.

Step 9: Admin Review (Future Scope)

In future iterations, an admin role will review submitted projects and update their status to **Approved**, **Rejected**, or **Request Changes**.

Step 10: Project Status View

Both Leaders and Members can view the current status of the project in their dashboards, keeping all stakeholders informed.

Teacher Workflow (Admin)

Step 1: Login via Email and Password

Teachers access the system using their institutional email and password. Credentials are verified against the database, and upon successful authentication, the system redirects them to the teacher dashboard.

Step 2: Dashboard Access

Teachers land on a dashboard that provides a summary of pending projects requiring approval, recent announcements, and quick access to key functions such as project approval, student management, and announcement creation. A notification bell alerts them to new submissions or important updates.

Step 3: Announcement Creation

Teachers can post critical announcements, such as project submission deadlines, by navigating to the Announcements section. They enter the announcement text, set a publication date, and submit it. The system displays the announcement prominently on both teacher and student dashboards. Only one active announcement (e.g., for the current submission cycle) is allowed at a time to avoid redundancy.

Step 4: Project Approval Management

For viewing projects, teachers can filter them by status (Pending, Approved, or Rejected), submission date range, or project/student names. Projects are displayed in a table with key details, including the project name, student/team leader name, submission date, current status, and action buttons.

To approve a project, the teacher clicks the "Approve" button, which triggers a confirmation dialog. Upon confirmation, the system updates the project status to "Approved" and sends a notification to the student. For rejection, the teacher clicks the "Reject" button, provides a mandatory reason, and submits the decision. The status changes to "Rejected," and the student receives a notification with the reason. Teachers can also view project details before making a decision.

Step 5: Student Management

In the Student Management section, teachers can add new students by filling out a form that includes fields for the student's name, email address, roll number, department, and academic year. The system validates the email format to ensure accuracy.

Step 6: Company Management

The Company Management functionality allows teachers to add and manage company name, though the specific steps for this feature are still under development and will be expanded in future iterations of the system

Step 7: Profile Management

Teachers can update their personal account settings, including changing their password, by navigating to the "My Profile" section. To change the password, they enter their current password, provide the new password twice for confirmation, and submit the request. The system validates the new password for security requirements (e.g., minimum length, special characters) and updates it upon successful verification.

This structured workflow ensures that academic oversight is maintained, submission deadlines are clearly communicated, and all administrative actions—from project approvals to password updates—are securely managed through designated teacher roles only.