

Project Title: InnovateX - A Student Project Showcase Platform

Team Information:

i. Name: Aryan Rangani

Roll No.: 92410133006

Batch: 4EK! B batch

ii. Name: Harsh Trivedi

Roll No.: 92301733017

Batch: 4EK1 B batch

Objective:

The main objective of this project is to develop a centralized platform where students can showcase their projects, faculty members can monitor progress, and users can explore innovative ideas. InnovateX serves as a digital hub for student project management, providing a seamless interface for authentication, progress tracking, and project discovery. The platform will allow users to create and manage project portfolios, interact with peers, and receive feedback from faculty and industry professionals.

Features/Modules:

1. **User Authentication:** Secure login and registration for students and faculty.
2. **Project Showcase:** Students can upload, update, and present their projects with detailed descriptions, images, and videos.
3. **Faculty Dashboard:** Faculty members can monitor students' progress, provide feedback, and verify projects.
4. **Search & Filter:** Users can search for projects based on categories, technologies used, and student names.
5. **Project Updates:** Students can post real-time updates on their projects, which faculty can review.
6. **Community Engagement:** Users can like, comment, and follow projects they find interesting.

7. **Admin Panel:** Admins can manage users, projects, and content moderation.
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Tools/Technologies/Methods Used:

- **Frontend:** HTML, CSS, JavaScript, Bootstrap
 - **Backend:** Python (Flask/Django) or Node.js
 - **Database:** MySQL/PostgreSQL
 - **Authentication:** JWT or OAuth
 - **Hosting & Deployment:** AWS/GCP/Vercel
 - **Version Control:** Git & GitHub
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Development Environment:

- **Code Editor:** VS Code / PyCharm
 - **Operating System:** Windows/Linux/Mac
 - **Database Management Tool:** MySQL Workbench / pgAdmin
 - **Testing Framework:** Jest / PyTest / Postman for API testing
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Expected Outcome:

A fully functional **student project showcase platform** where students can present their projects, faculty can provide guidance, and users can explore various innovations. InnovateX aims to bridge the gap between students and academic mentors while fostering a culture of collaboration and knowledge sharing.