"Student Club-Hub IIT Challenge – Final Submission"

1. Public GitLab Repository URL

Project Repository:

https://gitlab.com/Saiaditya20061226/clubhub-iit-challenge.git

This repository contains the complete source code, documentation, CI/CD configuration, and project structure for the StudentClubHub platform developed as part of the GitLab Start-up / IIT Challenge.

2. Project Description:

Project Name: Student Club-Hub

StudentClubHub is a centralized, AI-powered digital platform designed to align the university clubs, events, and student participation. The platform enhances operational efficiency for club leaders and improves engagement visibility for participants through intelligent insights and automation.

Features & Functionality

• Centralized Club Management Dashboard for administrators and club leaders
• Event creation, scheduling, and lifecycle management
• Smart participant registration and tracking system
• Real-time data visualization and engagement analytics
• AI-generated insights for leadership decision-making
• Automated recommendations for participants based on interest patterns
• Secure authentication and user role management
• Scalable backend architecture with modular frontend design
• Dockerised deployment-ready environment
• CI/CD pipeline integration with GitLab for automated workflow management

Strategic Value Proposition:

Student Club-Hub transforms traditional club management with enhanced student engagements, re-inforced operational transparency, and enabling informed decision-making through predictive analytics and automation.

3. Demonstration Video (Public Link)

Demo Video URL:

https://drive.google.com/file/d/1kIWyjdBBmyK6Y-kxAEH1v7p0A-3EqX85/view?usp=sharing

The demonstration covers:
• Live walkthrough of StudentClubHub interface
• Feature overview and system navigation
• Explanation of AI-powered insights
• Backend and deployment overview
• How GitLab CI/CD supports the deployment pipeline

Open Source & Licensing Compliance

MIT License implemented

All original source code created for this competition has been licensed under the MIT License and included in the repository via the LICENSE file, ensuring full compliance with the contest's intellectual property requirements.

Participants retain full ownership of the project while granting GitLab permissible rights for evaluation and promotional showcase as defined in the competition rules.

5. Deployment & Infrastructure

• GitLab CI/CD configured with automated pipeline execution
• Dockerised backend and frontend services
• AWS EC2 deployment architecture prepared
• Environment-ready for scalable production deployment

The project infrastructure aligns with modern DevOps standards and cloud-native operational workflows.

6. Compliance Declaration

I hereby confirm that:

• This submission is entirely original and adheres to MIT License requirements
• All third-party libraries and services used comply with their respective licenses
• The project does not infringe upon any intellectual property rights
• All materials are submitted in English
• Video demonstration is publicly accessible

7. Participant Details

Participant Name: SAI ADITYA TALLURI
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