

WebX Lab CA - Report

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Sign and Grade	

TITLE: College Event Organizer

PROJECT DESCRIPTION

CampusEvents is a comprehensive event management platform designed to streamline the entire event planning and execution process. From event creation and management to PR marketing, audience engagement, analytics, and budget optimization, CampusEvents provides all the tools event organizers need in one place.

TECHNOLOGIES USED

- Frontend: React, TypeScript, Tailwind CSS
- Backend: Flask (Python)
- Database: MongoDB (Atlas)
- Development Tools: VS Code, Postman, Git

FEATURES IMPLEMENTED

Event Management

- Create, edit, and delete events with details like name, description, date, location, image, and organizer
- View past events and use them as templates for new events
- AI-powered task generation for different teams (PR, Tech, Logistics, Creatives)
- Email task distribution to team members

PR & Marketing

- Social media integration and campaign management
- Promotional content creation and scheduling
- Audience targeting and outreach strategies

Audience Engagement

- Interactive feedback forms for event attendees
- Real-time messaging and communication

- Gamification features to increase participant engagement
- Challenges and rewards system

Analytics

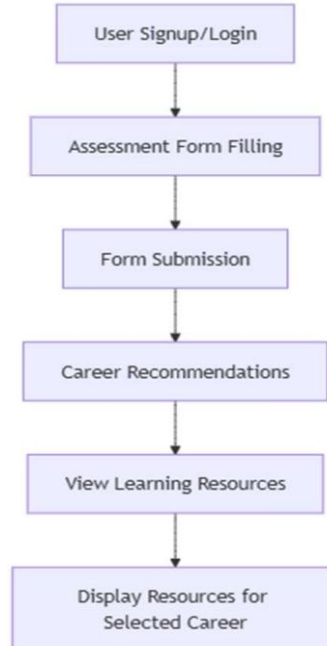
- Event performance metrics and insights
- Attendance tracking and participant behavior analysis
- ROI measurement and reporting

Budget Optimization

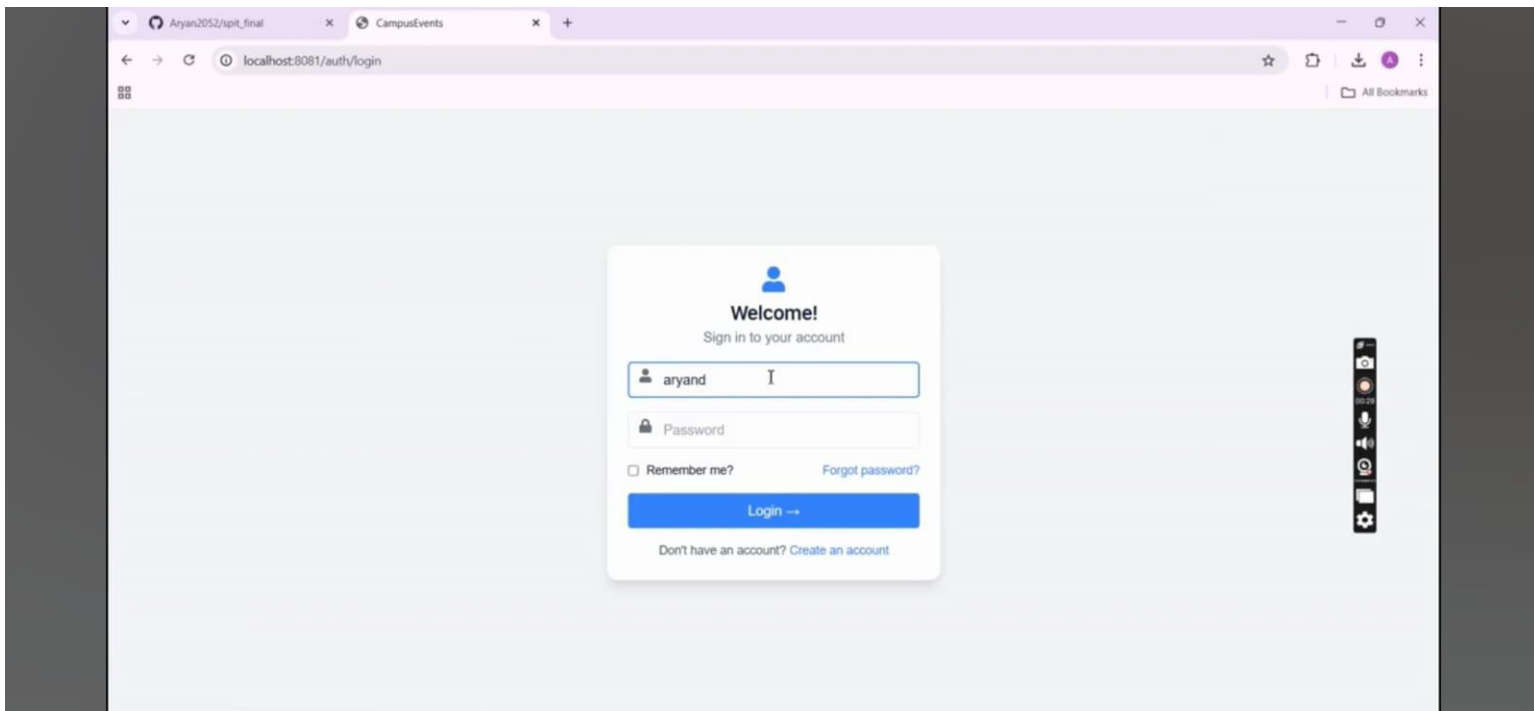
- Budget planning and allocation
- Expense tracking and financial reporting
- Cost-saving recommendations

GITHUB LINK - https://github.com/Aryan2052/spit_final

Flow Diagram:

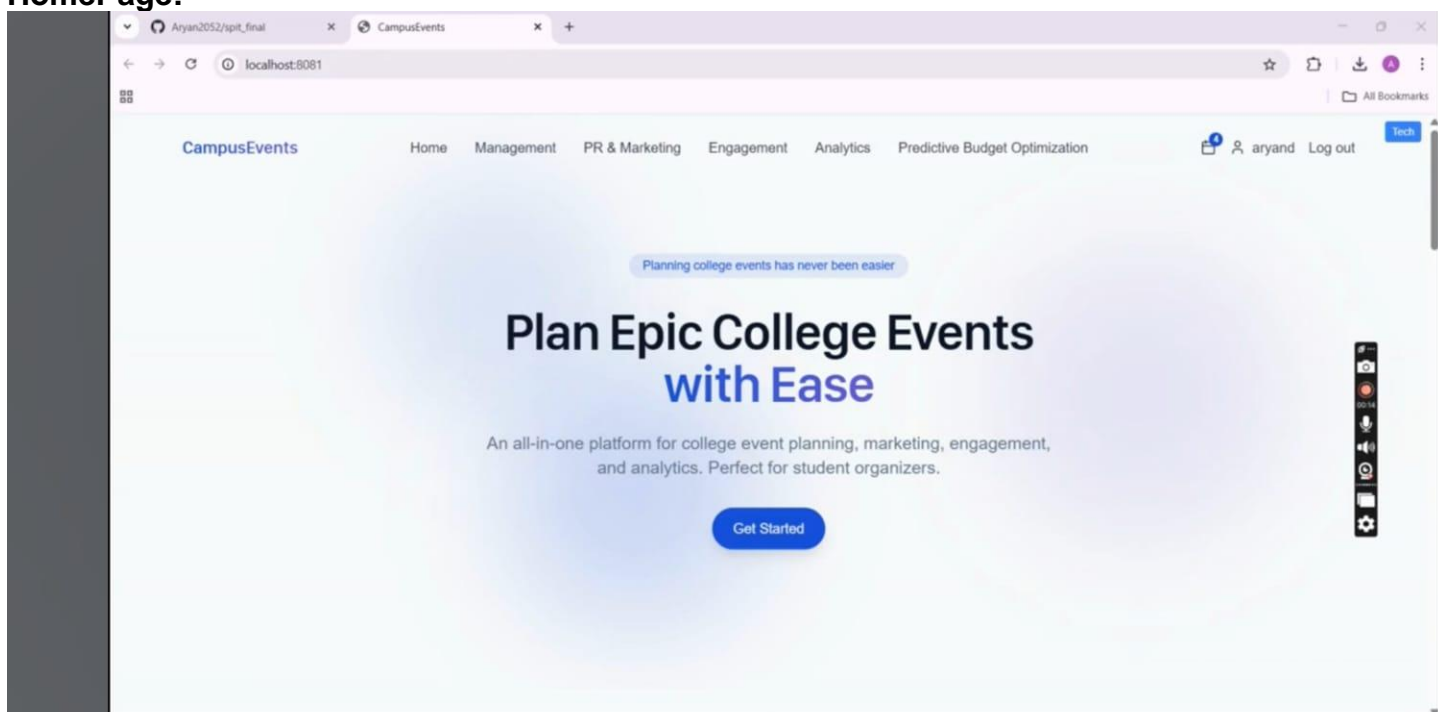


OUTPUT:



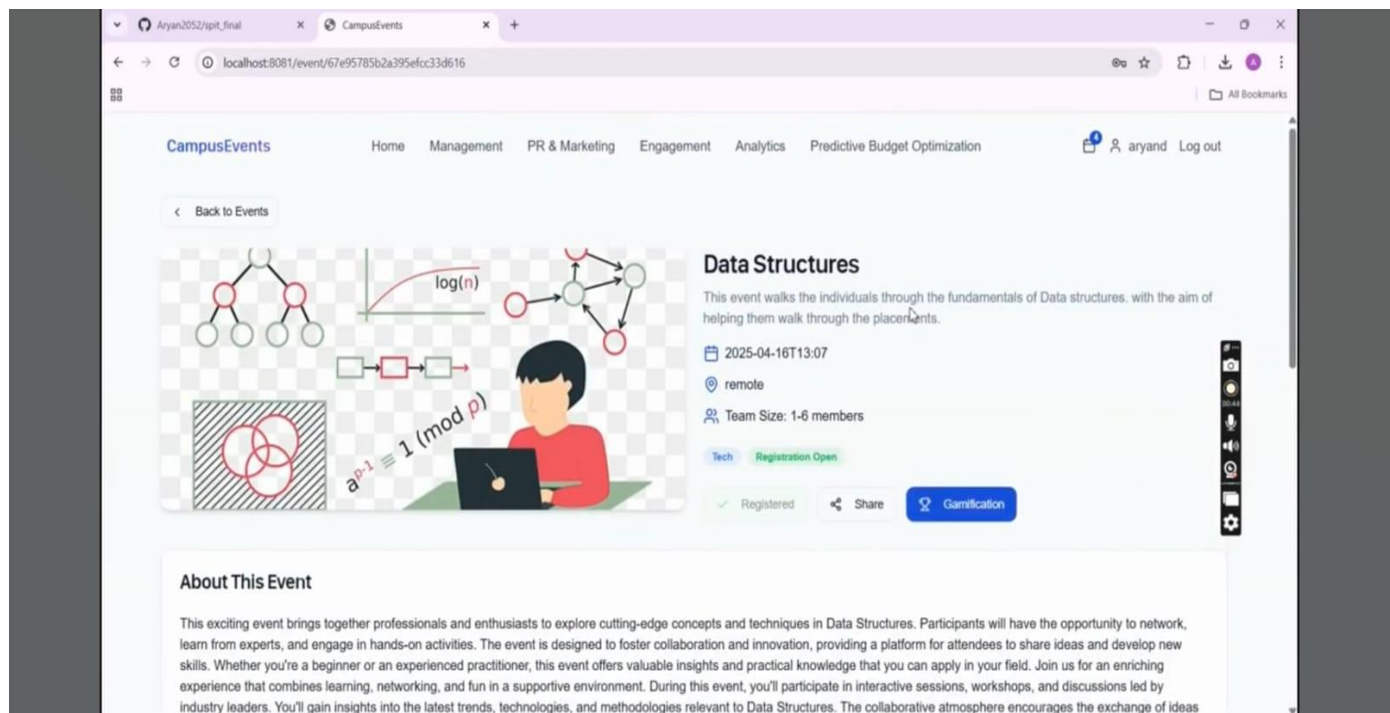
Loginpage:

HomePage:

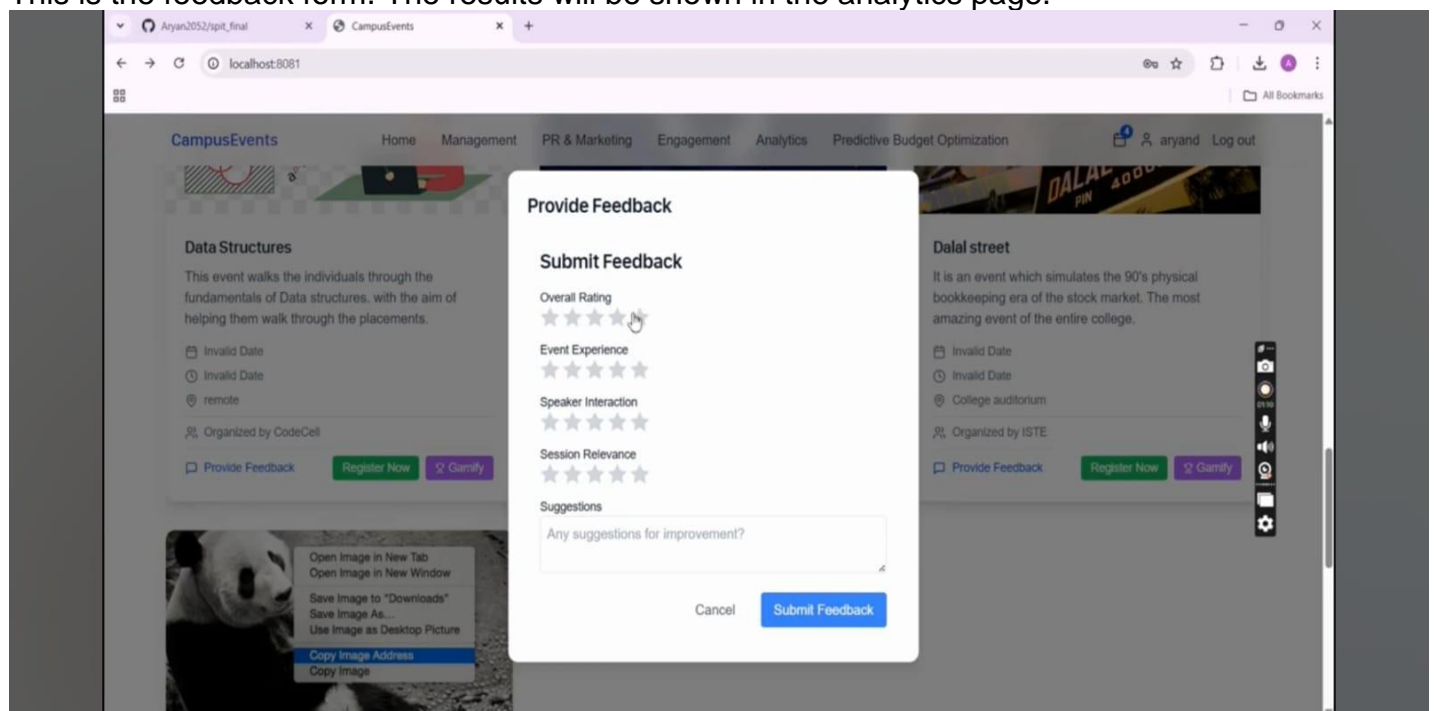


This is the homepage where the user has to login or signup to fill the assessment form and below this page the user can use how the website works.

This is the event page, where an user can register, if he/she has not registered.



This is the feedback form. The results will be shown in the analytics page.

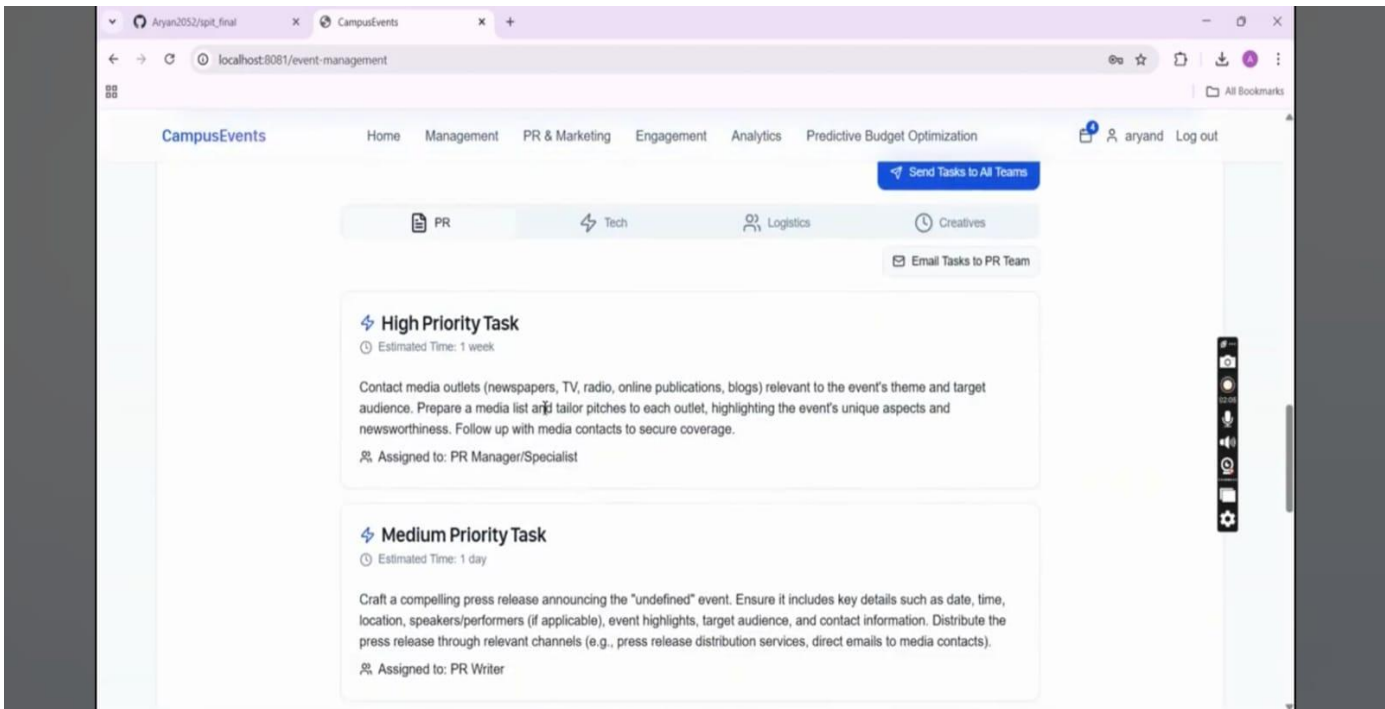


The tasks are allocated teamwise, we can also mail it to the different teams, and are sorted priority

wise.

Event Management

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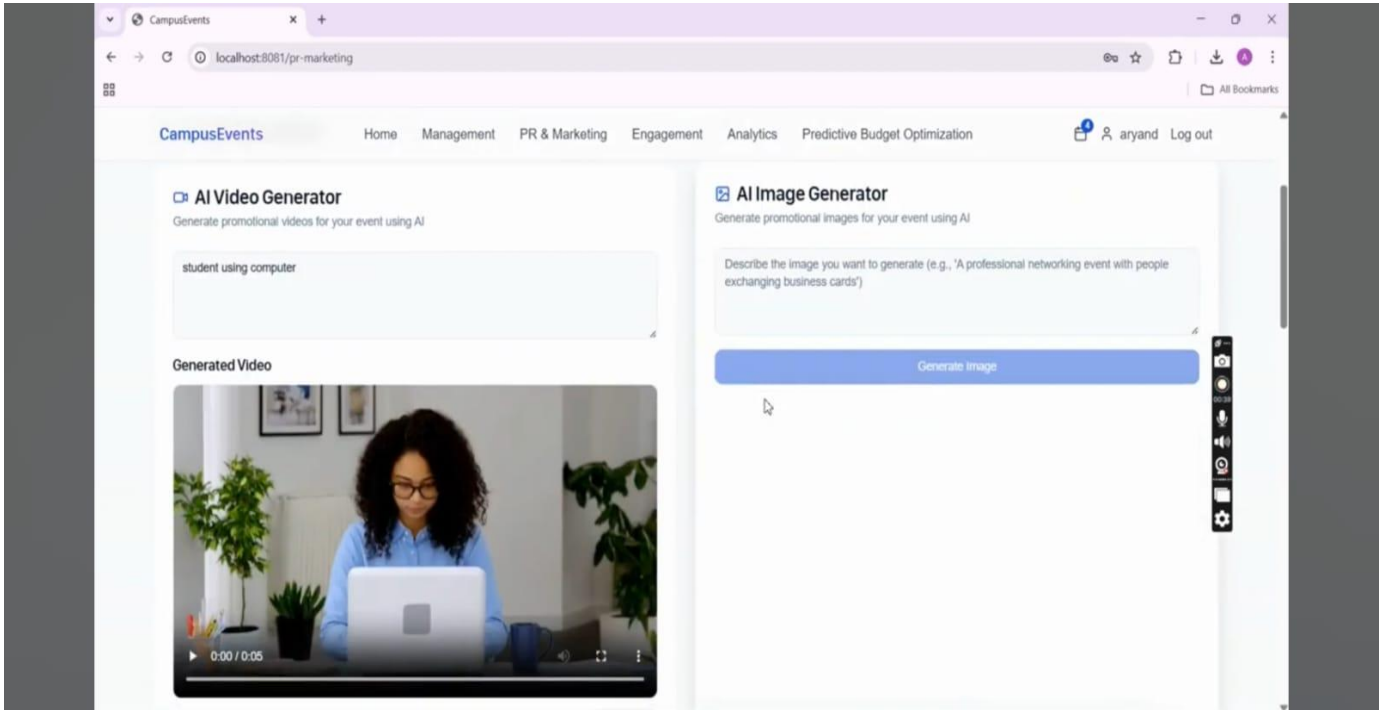
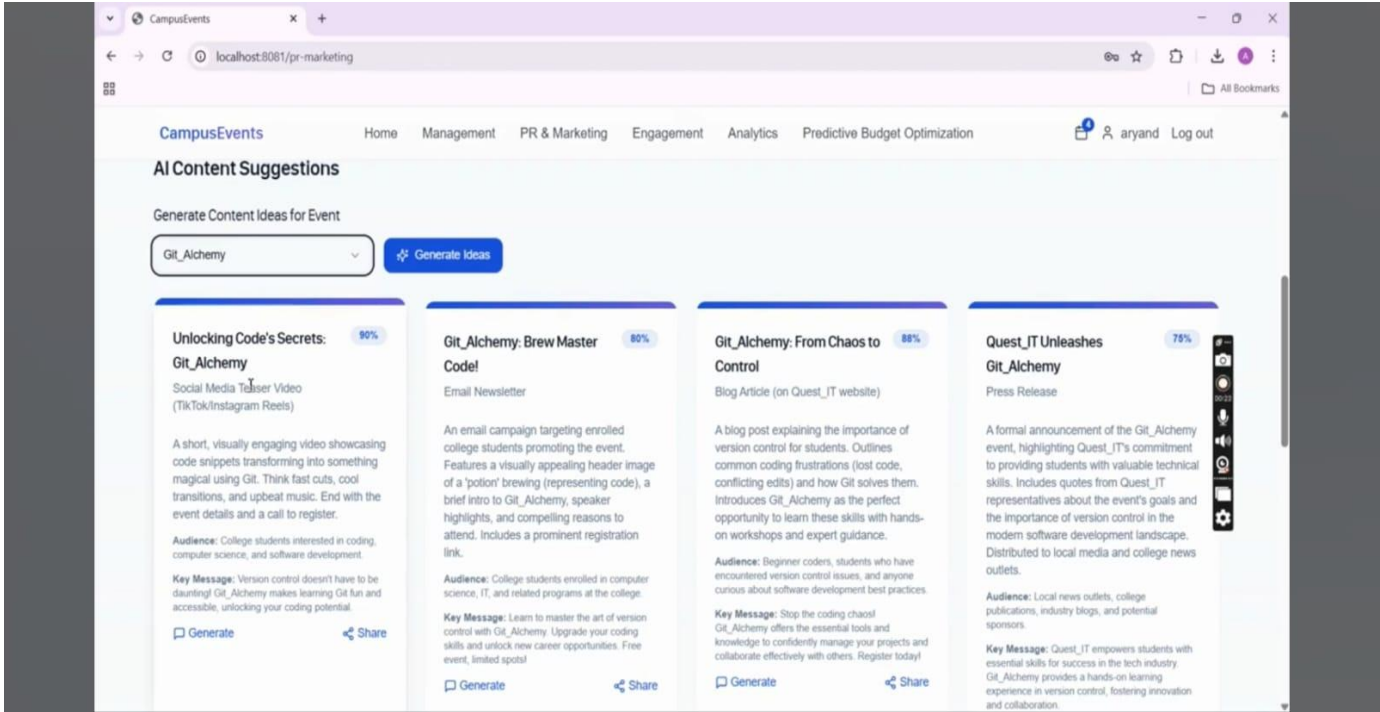


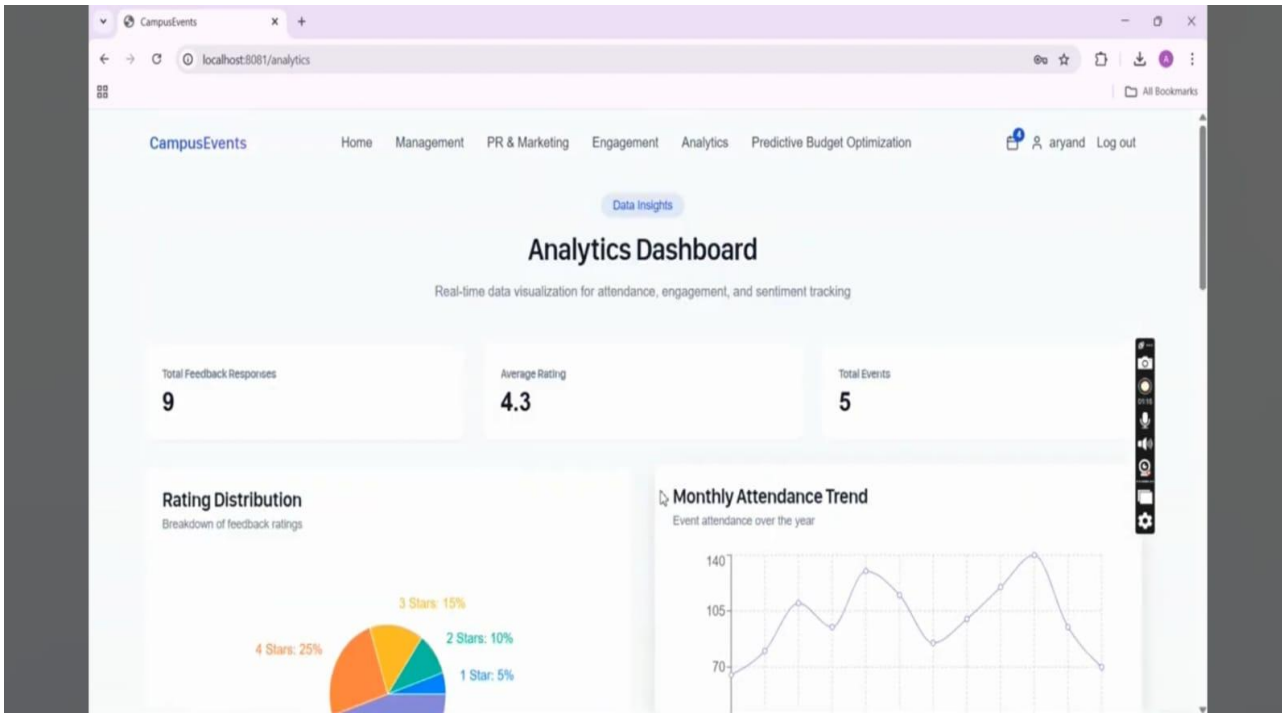
In this page we can get content for marketing of our events.

PR & Marketing

- Social media integration and campaign management
- Promotional content creation and scheduling
- Audience targeting and outreach strategies

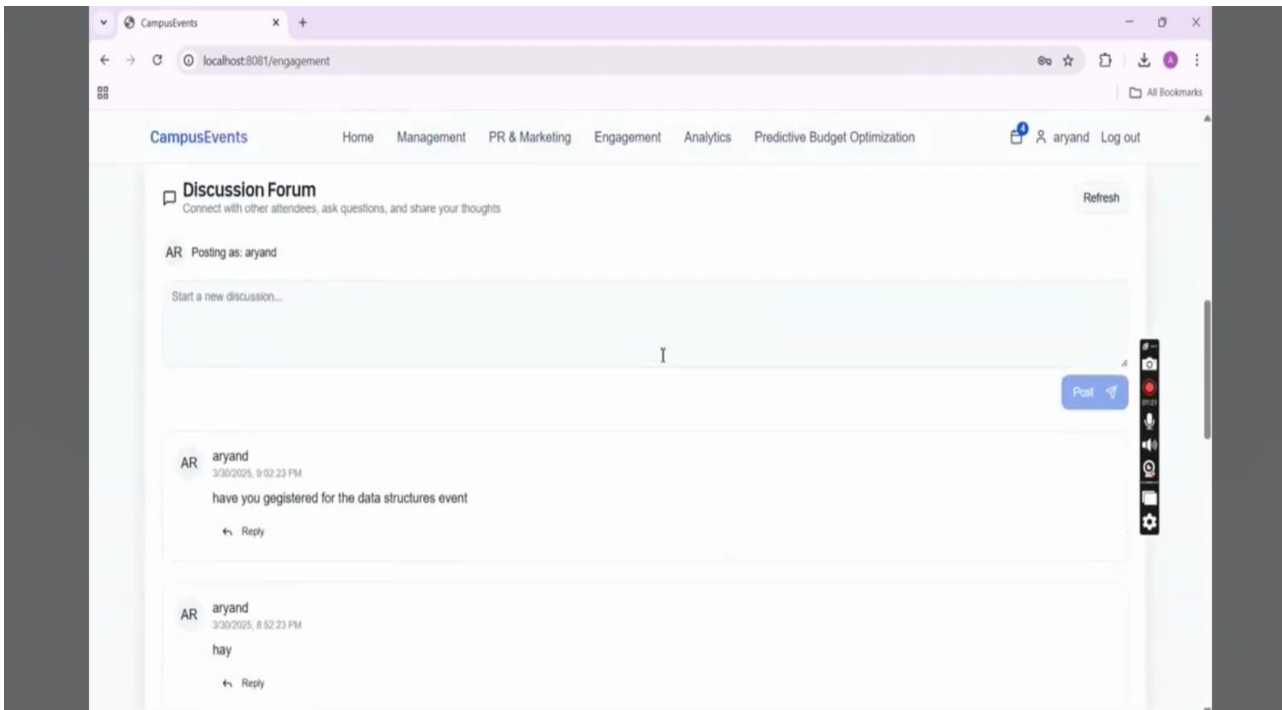
We have used HuggingFace API, to generate the videos, images. Default ones are shown if the API limit is exhausted.





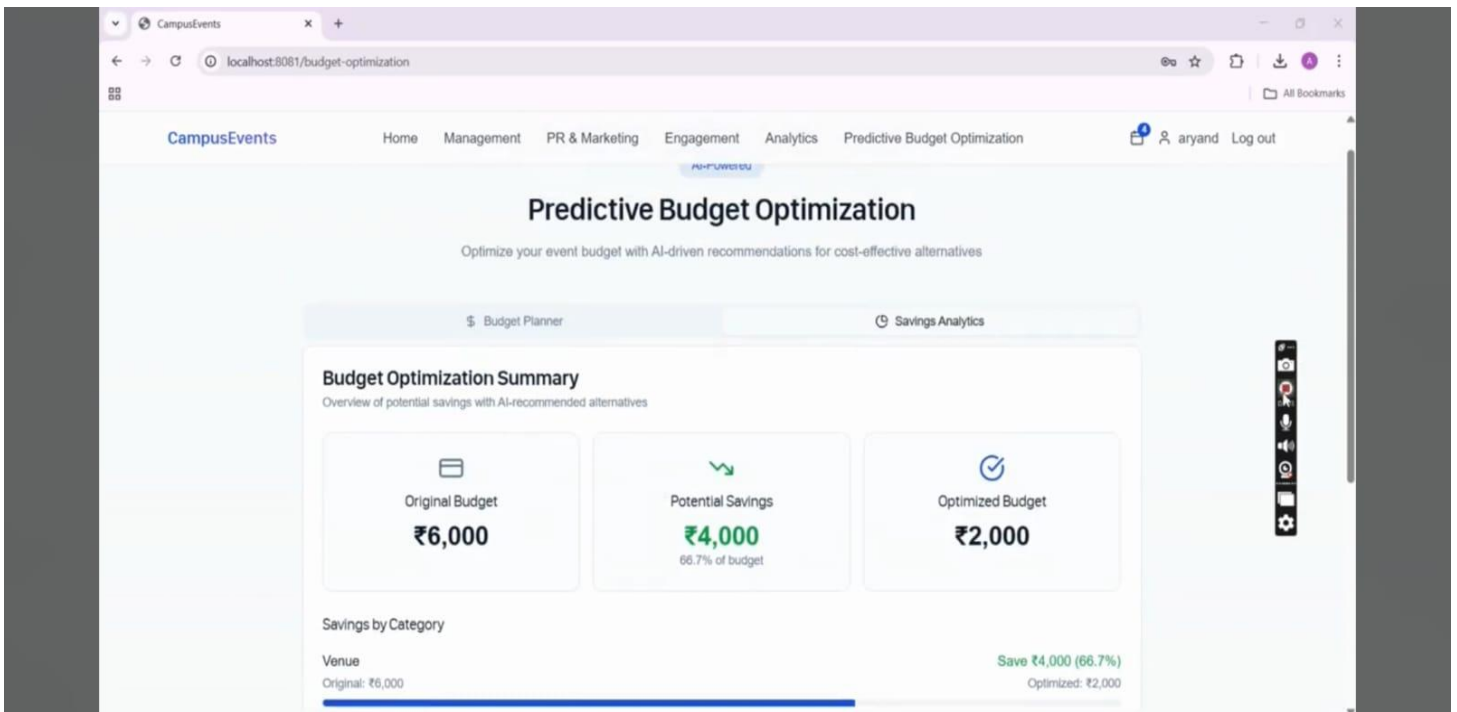
Analytics

- Event performance metrics and insights
- Attendance tracking and participant behavior analysis
- ROI measurement and reporting



Budget Optimization

- Budget planning and allocation
- Expense tracking and financial reporting
- Cost-saving recommendations



CONCLUSION:

College Event organizer is a GenAI-powered platform designed to offer personalized career guidance using state-of-the-art technologies. Built with **React, TypeScript, Tailwind CSS, MongoDB**, and **Flask**, it showcases a seamless integration of modern frontend frameworks with scalable backend services. At its core, the platform leverages **Gemini Flash 2.0** to dynamically generate custom career roadmaps based on users' skills, interests, and goals. This project demonstrates strong expertise in full-stack development, intuitive UI/UX design, and the practical application of generative AI in the edtech and career advisory domain. It stands as a compelling, real-world solution empowering individuals to make informed career decisions with confidence.