



Autonomous Institute Under Mumbai University

CAMPUS CONNECT

LET'S CONNECT

PROJECT OVERVIEW

Event Manager is a web-based platform designed to display upcoming events, enable seamless event registration, and provide students with a personalized dashboard to track their registrations.

Project Goals:

- **Showcase Upcoming Events:** List events dynamically and update in real-time.
- **Enable Easy Registration:** Simple and quick event registration through user-friendly forms.
- **Student Dashboard:** Allow users to view and manage their registered events.
- **Enhance User Experience:** Responsive and modern design for smooth navigation.

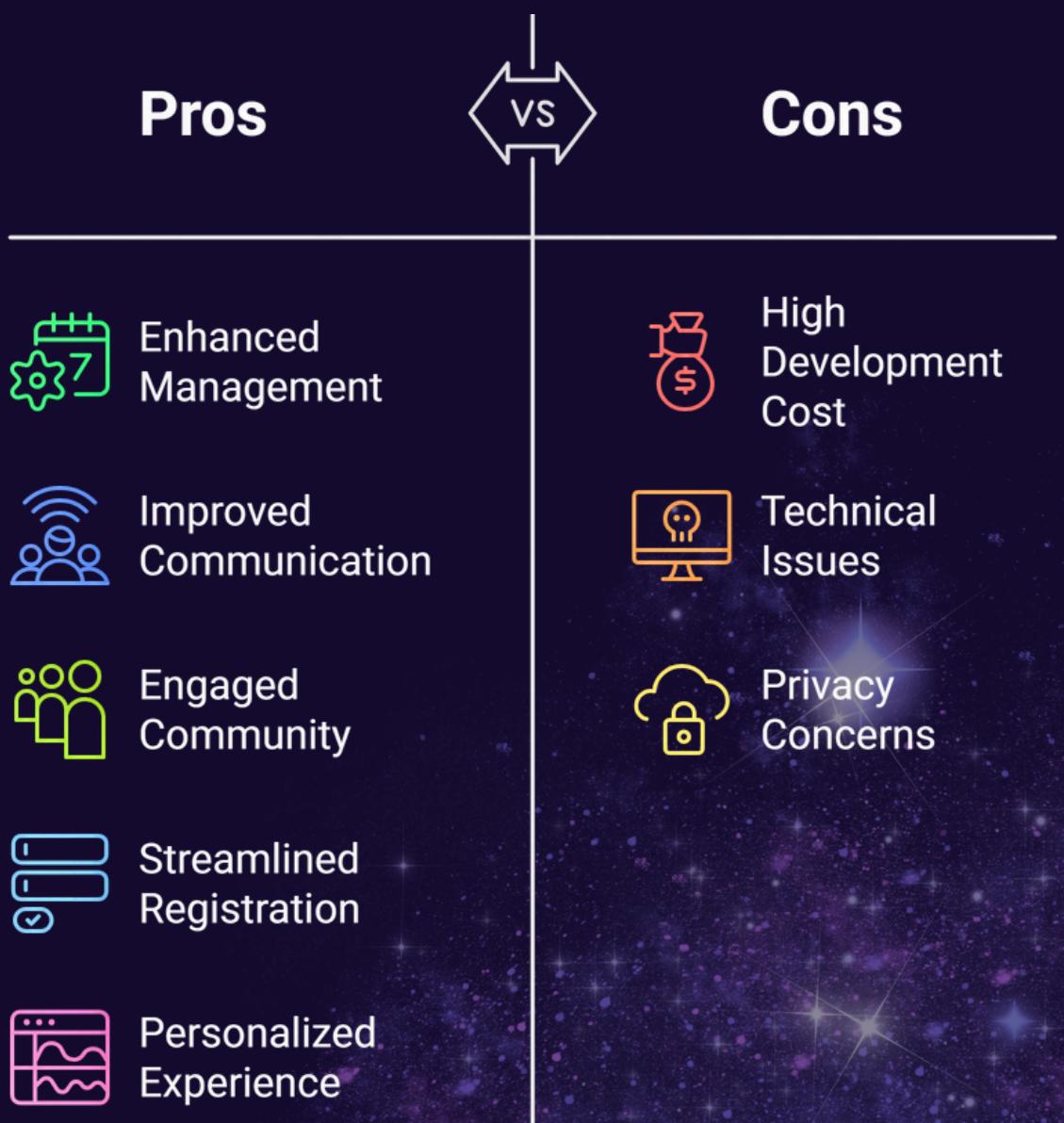
PROBLEM STATEMENT

Managing college and institutional events is often unorganized and fragmented, leading to issues like lack of event visibility, manual registrations, poor participant tracking, and inefficient communication.

There is a need for a centralized web platform where all upcoming events can be listed, students can register easily, and both organizers and participants can track event-related information efficiently through personalized dashboards.

KeyPoints:

- Difficulty accessing event information in one place
- Manual and inefficient registration processes
- Lack of personalized event tracking for students
- Communication gap between organizers and participants



SOLUTION

We developed a centralized Event Manager Web Application that provides a smooth experience for both students and event organizers.

The platform displays all upcoming events in a clean, categorized layout, allows students to register through an easy-to-use form, and gives them access to a personalized dashboard to track their registrations and participation history.

For organizers, it simplifies event management, improves communication with participants, and ensures all event data is organized digitally in one place.

KeyPoints:

- Centralized event listing for easy discovery
- Quick and seamless registration process
- Personalized student dashboard to track participation
- Organized digital records for event organizers

KEY FEATURES



Event Listing

Browse upcoming and ongoing events with key details.



Registration Form

Quick and easy event sign-up process.



Student Dashboard

View and manage registered events effectively.



Event Search & Filters

Find events faster by category or date.



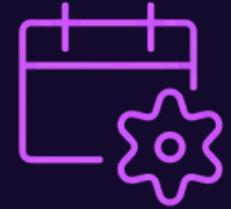
Responsive Design

Mobile-friendly UI with Tailwind CSS integration.



API Integration

Enhanced event details using Gemini API.



Admin Panel

Manage events and registrations efficiently.

SYSTEM ARCHITECTURE



Frontend

The user interface where students and admins interact, built using React, TypeScript, and Tailwind CSS for a modern, responsive design.

Backend/API

Manages server-side logic, handles user requests, and connects the frontend with the database using Node.js and Express.js.

Database

Stores all structured data like event details and user information securely using MongoDB.

Frontend

User interface built with React, TypeScript, and Tailwind CSS



Backend/API

Handles user requests and integrates with Gemini API



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Handles user requests and integrates with Gemini API

Database

Stores structured data in MongoDB



Components of a Dynamic Website



Frontend (Client-Side)

- React.js – Component-based UI for a dynamic and responsive experience
- Vite – Lightning-fast dev server and build tool
- Tailwind CSS – Utility-first CSS for modern styling
- TypeScript – Type-safe JavaScript for scalability and reliability

Backend (Server-Side)

- Node.js – JavaScript runtime for server-side development
- Express.js – Minimalist web framework to handle routing and APIs

Database

- MongoDB Atlas – Cloud-hosted NoSQL database for storing user, event, and registration data
- Mongoose – ODM library to interact with MongoDB using schemas

Other Tools

- JWT (JSON Web Tokens) – For secure authentication
- Render – For hosting backend & frontend
- Git & GitHub – For version control and collaboration

CORE COMPONENTS



Purpose

Details Displayed

Data Handling

Event Listing Page



Displays events

Title, date, time, venue, description

N/A

Registration Form



Registers students

Name, email, event preferences

Submits to MongoDB

Student Dashboard



Shows registered events

Event status, schedules, history

N/A

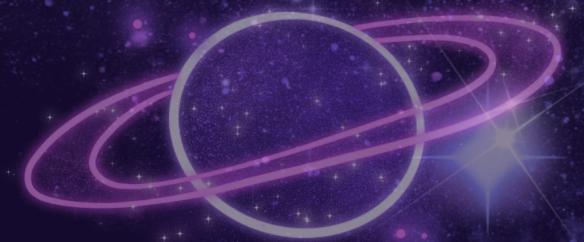
Admin Panel



Manages events and registrations

Event creation, student data, feedback

Edits and deletes events



THANK YOU !

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