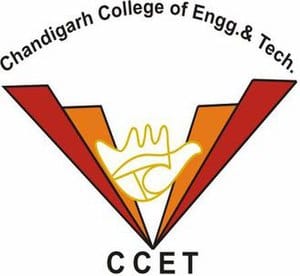
**MAJOR PROJECT SYNOPSIS**



**Submitted To**: Dr. Santosh Kumar Yadav,

(Lecturer),

CSE Department

**Submitted By:**

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Roll No. | GitHub UID | Roles |
| Satyam | 9528/22 | Satyam2600 | Team Lead |
| Rachit Bhadu | 9525/22 | RACHIT6672 | Member |

**Project Synopsis**

**JIZZ ("Journey to Inspire, Zoom and Zeal")**

**Introduction:**

In today’s digital age, effective communication and collaboration are vital for a connected college community. Mainstream social media platforms offer broad connectivity but lack features tailored to academic institutions.

**JIZZ** is a private social media platform designed exclusively for the college. It provides a secure, interactive space for students, faculty, and alumni to connect, share knowledge, and engage in academic and extracurricular activities. With features like department-based profiles, event management, and peer collaboration, **JIZZ** fosters a dynamic and inclusive college experience.

**Objective:**

The objective of **JIZZ** is to create a private social media platform tailored for the college community, enhancing communication, collaboration, and engagement. Key goals include:

* ***Secure & Exclusive Access*** – Restrict access to students, faculty, and alumni using college credentials.
* ***Community Building*** – Foster interaction through department-based profiles, interest groups, and discussion forums.
* ***Real-Time Communication*** – Provide direct and group messaging, notifications, and an interactive news feed.
* ***Engagement & Innovation*** – Incorporate gamification, an anonymous confession board, and leaderboards to boost participation.
* ***Bridging Institutional Resources & Students*** – Integrate department-based profiles, real-time messaging, event management, and academic resource sharing to enhance accessibility and engagement.
* ***Support for NSS & NCC Activities***– Provide a dedicated space for National Service Scheme (NSS) and National Cadet Corps (NCC) updates, event coordination, and volunteer opportunities.

**Scope:**

The platform will incorporate the following features to address the specific needs of the college community:

**1**. ***User Profiles****:*

* Customizable profiles with college-specific information such as department, batch, and interests.
* Integration of achievements, skills, and other personal details.

**2. *News Feed****:*

* A centralized feed displaying posts, updates, and multimedia content.
* Support for liking, commenting, and sharing posts.

**3**. ***Messaging System****:*

* Real-time direct and group messaging.
* Notifications for unread messages and new conversations.

**4.** ***Event Calendar****:*

* A dedicated calendar for college events, including workshops, festivals, and guest lectures.
* RSVP functionality for event planning and participation tracking.

**5. *Groups and Communities:***

* Dedicated spaces for clubs, societies, departments, and project teams.
* Features for group discussions, document sharing, and announcements.

**6.*Unique Features:***

* ***Gamification:*** Activity-based points, badges, and leaderboards to encourage participation.
* ***Anonymous Confession Board****:* A moderated space for anonymous posts to foster open conversations.
* ***Skill Exchange Platform:*** A feature for peer-to-peer learning and collaboration.
* **Integration With College Management System**: Future integration with college internal management system.

**Technology Stack:**

**1. *Frontend:***

* Framework: React.js or Next.js for a dynamic and responsive user interface.
* Styling: Tailwind CSS for modern and consistent design.

**2. *Backend:***

* Framework: Node.js with Express for API development and server-side logic.
* Real-time Communication: WebSockets for notifications and messaging features.

**3. *Database:***

* MongoDB for efficient storage and retrieval of user profiles, posts, messages, and events.

**4. *Authentication:***

* OAuth-based authentication using college email IDs(if available ) for secure access.

**5. *Hosting Platforms:***

* Vercel, Render, or AWS for scalable and reliable deployment.

**Modules:**

* ***User Management:*** User registration and login using college-provided credentials.
* ***Feed and Post Management*:** Create, edit, and delete posts. View posts in a personalized news feed.
* ***Messaging and Notifications*:** Real-time chat functionality for individuals and groups. Notifications for new messages, events, and posts.
* ***Event Calendar*:** Event creation and management by authorized users. RSVP and reminder notifications for participants.
* ***Groups and Communities*:** Create and join groups based on interests or departments. Collaborative tools for group discussions and file sharing.

**Deployment:**

* **Launch:**  
  - Conduct beta testing with a small group of students to gather feedback.  
  - Deploy the platform on a hosting service with a custom domain.  
  - Set up performance monitoring tools to ensure reliability.
* **Post-Launch Maintenance:**  
  - Collect user feedback to address issues and implement improvements.  
  - Monitor server performance to optimize scalability and reliability.  
  - Regularly update the platform with new features and security patches.

**Expected Outcome:**

The platform will provide a secure, engaging, and user-friendly environment tailored to the college community. It will foster communication and collaboration, promote a sense of belonging, and enhance the overall college experience by addressing the unique needs of students, faculty, and alumni.