SMART INDIA HACKATHON 2024

TITLE PAGE

- **Problem Statement ID :** SIH1609
- **Problem Statement Title :** Implementation of the Alumni Association platform for the University/Institute.
- **Theme :** Smart Education
- **PS Category- Software/Hardware :** Software
- **Team ID :**
- **Team Name :** Black Fungus

Black Fungus

Alumni Association Platform for University

SMART INDIA HACKATHON 2024

Solution :

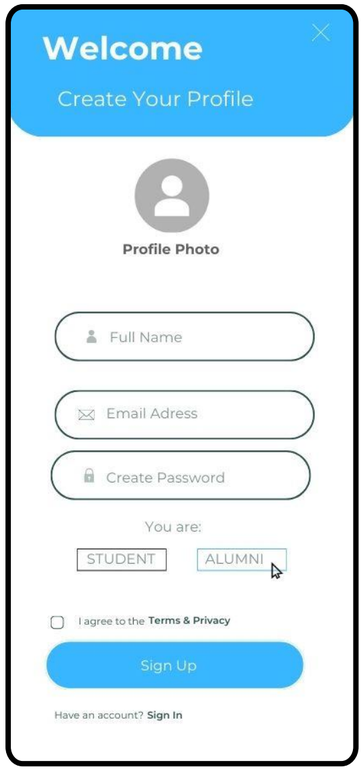
Web application for Enhance Alumni , student and teacher engagement for strong **connection** and **career growth**

Provide philanthropic support for managing **donations**, organizing **workshops** and **reunions**, and facilitating **mentorship** programs.

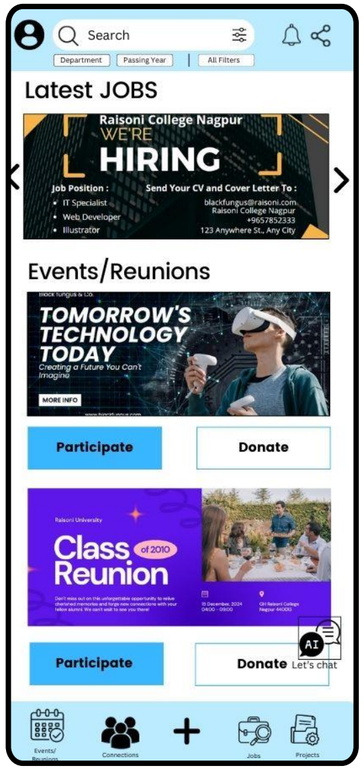
Career advancement and **knowledge sharing** among students and alumni

Dynamic and supportive ecosystem where alumni can **connect**, **contribute**, and **thrive**, thereby enriching the overall educational experience and legacy of the institution.

Prototype :

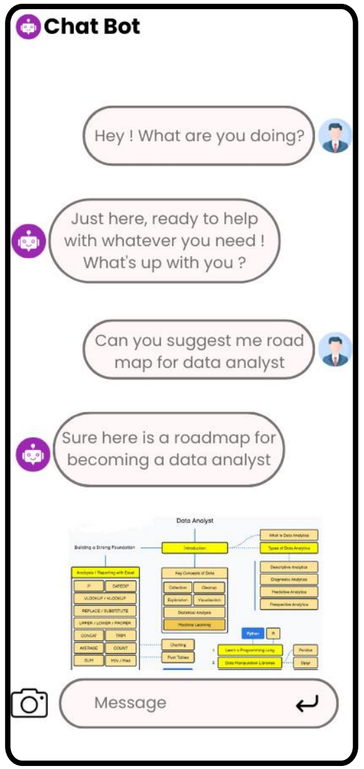


Create Profile



Home Page

Locate Alumni



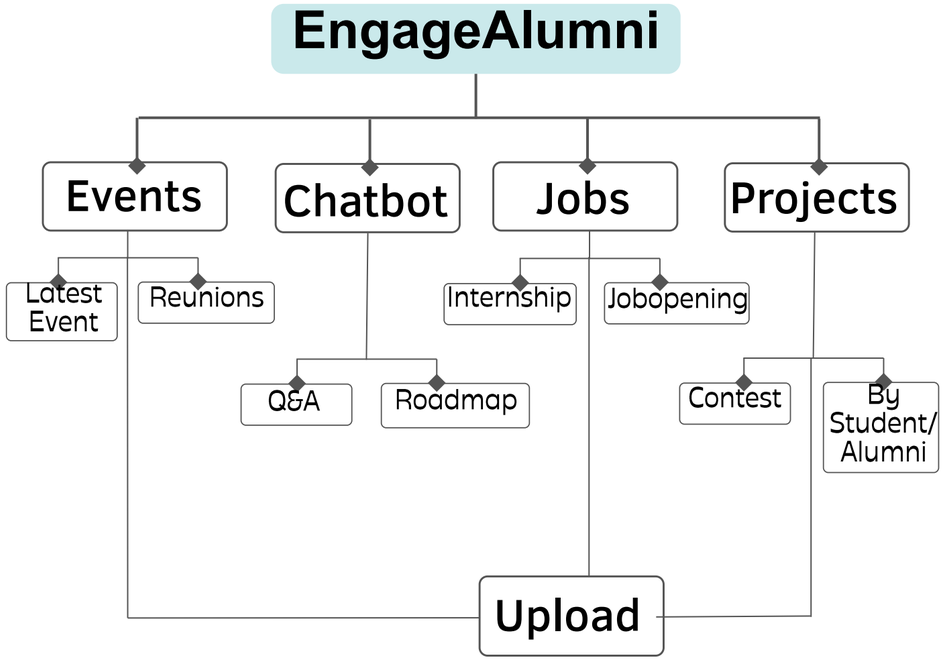
Chatbot

Black Fungus

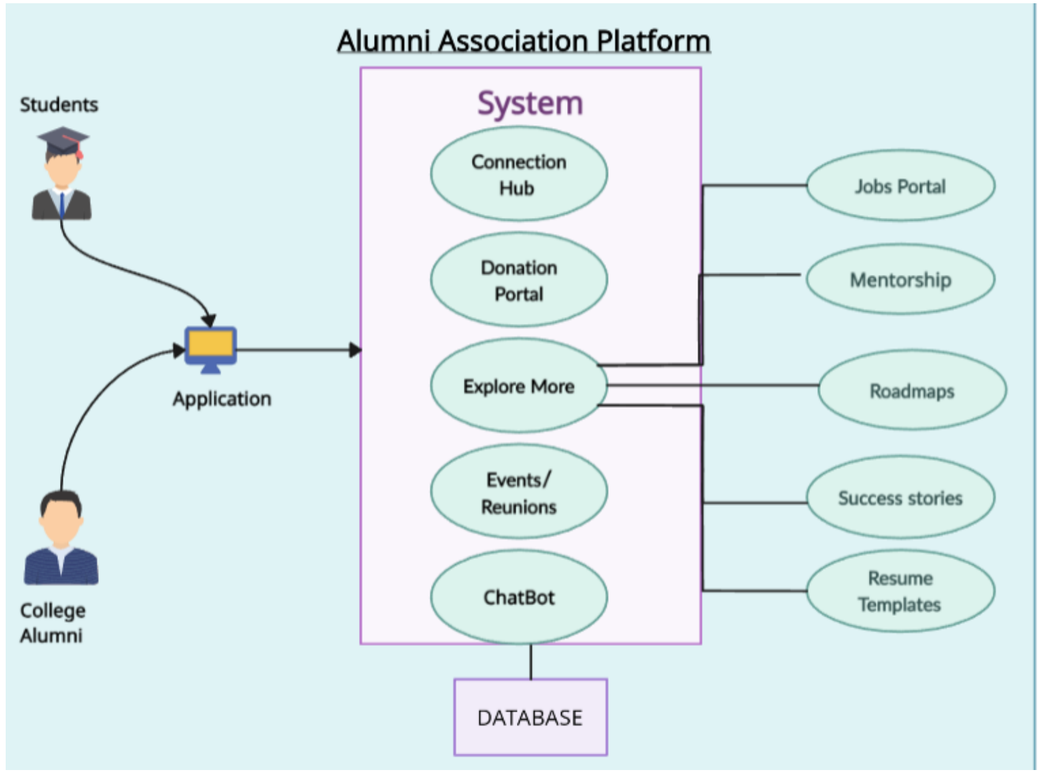
TECHNICAL APPROACH

SMART INDIA HACKATHON 2024

Flow Chart :



Use Case Diagram :



Tech Infrastructure :

Data Encryption

Artificial Intelligence

NLP

Javascript

Django

MySQL

Razor pay

Black Fungus

FEASIBILITY AND VIABILITY

SMART INDIA HACKATHON 2024

Feasibility :

Technical Feasibility

The platform supports functionalities like networking, donations, job postings, and knowledge sharing using current technology and tools.

Operational Feasibility

The platform supports functionalities like **networking**, **donations**, **job postings**, and knowledge sharing using current **technology** and **tools**.

Economic Feasibility

Building a supportive **alumni community** could lead to increased **donations**, which would provide financial returns or benefits to the organization

Legal and Ethical Feasibility

It ensures privacy, data protection and transparency for alumni and follows all relevant legal frameworks.

Challenges	Risks	Solutions
User Engagement : Low participation rates from Alumni.	Limited community building.	Premium version with direct student-alumni interaction, offering alumni profit to boost participation.
Platform Privacy : Ensuring trust and use.	Data security, losing data.	Encryption, secure login.
Platform Usability : Intuitive interface creation.	Complex design reduces usage.	Simple, user-centric design.
Platform Adoption : Getting alumni to use the platform regularly.	Alumni may avoid or lose interest.	Send personalized notifications and events.

Viability :

Business Viability

Building a vibrant alumni community can boost the college's reputation, attract donations, and enhance alumni participation, supporting financial sustainability

Market Viability

By offering unique features such as AI-driven recommendations and chatbot the platform differentiates itself from existing solutions.

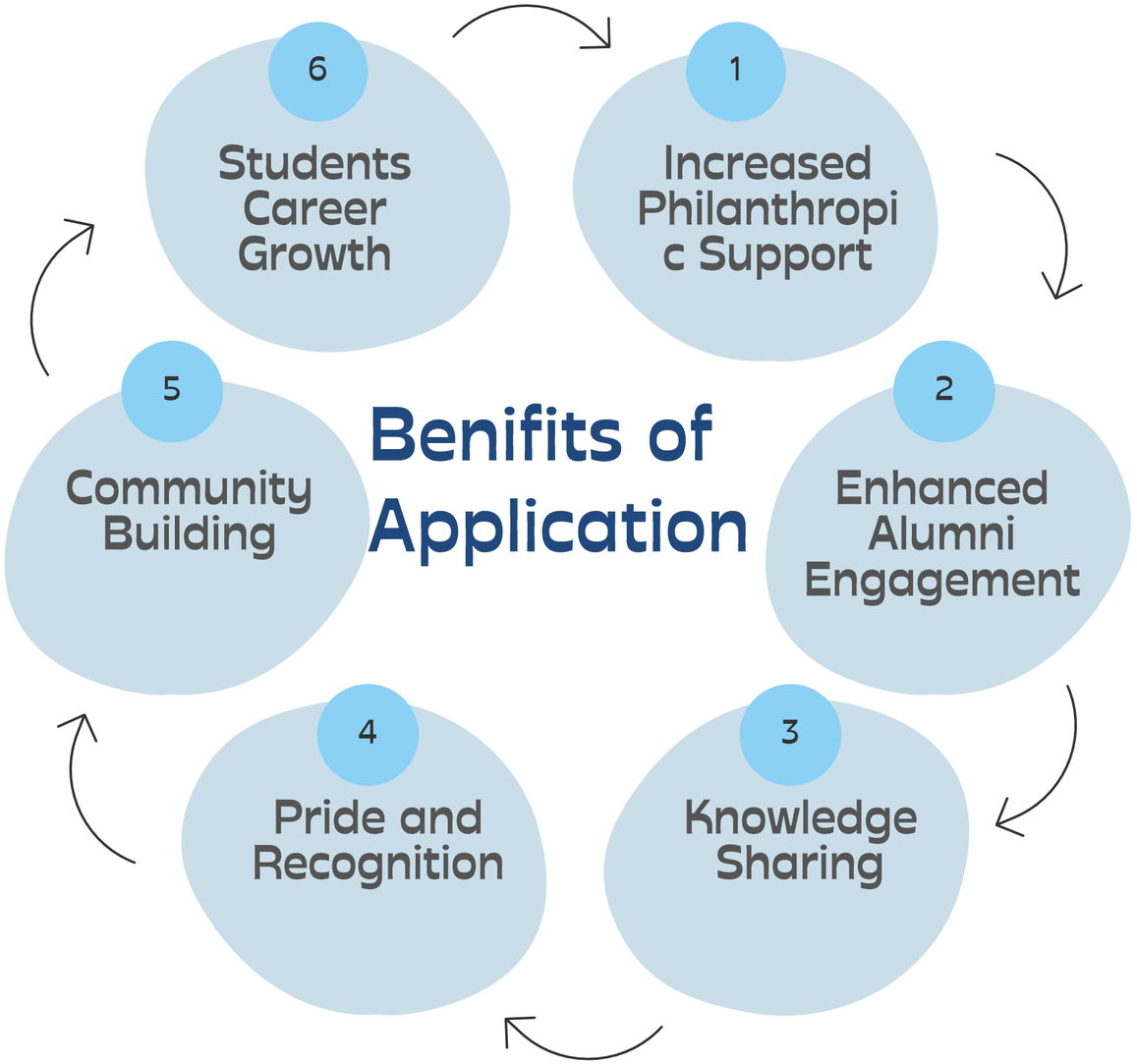
Financial Viability

The project has the potential to generate revenue through donations and possibly by offering premium features or services.

Black Fungus

IMPACT AND BENEFITS

SMART INDIA HACKATHON 2024



Innovation and Uniqueness:

- **AI Chatbot Support**: Our AI chatbot is available 24/7 to help users with their questions and provide quick support.
- **Job Opportunities for Alumni**: Alumni can prioritize hiring students from their own alma mater, creating more job opportunities within the network.
- **Easy Alumni Search**: Users can quickly find and connect with alumni by searching through department or year.
- **Simple Donation Process**: We have a straightforward donation interface that makes it easy for alumni to contribute.
- **Locate Alumni Worldwide**: Student can easily locate the alumni worldwide through maps

Black Fungus

RESEARCH AND REFERENCES

SMART INDIA HACKATHON 2024

References and Research Work:

1."Django Documentation for backend https://docs.djangoproject.com/en/5.1/

2."Caltech Alumni Portal" https://www.alumni.caltech.edu/

3."Alumni website of Stanford university" https://alumni.stanford.edu/

4.Research Paper: "Chatbots Development Using Natural Language Processing: A Review" Year 2022
https://ieeexplore.ieee.org/document/10017592

5.Research paper: "AlmaHub: An Engaging, Supportive Alumni-Students Interaction Platform" Year 2023
https://ieeexplore.ieee.org/document/10126226

6. Savitribai Phule Pune University Alumni Association https://alumni.unipune.ac.in/