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Faculty of Engineering, Design and Technology

UCU ALUMNI DIGITAL PLATFORM PROJECT REPORT

Project Group: Alumni Nexus Group (Group 6)

Project Lead: Feta Jordan

Lecturer: Ms. Atukunda Doreen

Date of Report: October 7, 2025

Metadata

Detail	Information
Project Name	UCU-Alumni Digital Platform
Project Team	Alumni Nexus Group (Group 6)
Project Lead	Feta Jordan
Date of Report	October 7, 2025
Reporting Period	During Closure Phase (Weeks 5-6)
Start Date	September 26, 2025
Target End Date	November 7, 2025
Project Status	Closure Phase – Applying Starvation Method for Project Termination

1. Executive Summary

The UCU-Alumni Nexus Project is a strategic initiative to develop a mobile-responsive web application serving as a centralized digital solution for connecting UCU alumni, students, and faculty.

The project has successfully gone through the Planning, Analysis, Design, and Core Development phases. It is currently in the **Closure Phase**, where the team is finalizing documentation, presentation, and system handover.

At this stage, the project is being concluded using the **Starvation Method of Project Termination**, a controlled approach where resources and attention are gradually withdrawn after achieving project objectives, ensuring a smooth transition without abrupt discontinuation.

The platform development remained within the allocated budget of UGX 600,000 and met its key performance indicators, including completion of MVP modules and integration with UCU Alumni Office data channels.

2. Introduction and Project Goal

2.1 Background and Problem Statement

Engagement between UCU alumni and students has historically been scattered, leading to missed opportunities for mentorship, collaboration, and professional networking. The absence of a centralized alumni system has limited long-term interaction, visibility, and growth within the UCU community.

2.2 Proposed Solution

The UCU-Alumni Nexus is a digital platform designed to bridge this gap by providing a structured space for alumni and students to share career opportunities, news, events, and mentorship connections.

2.3 Key Objectives (MVP Focus)

- Develop a responsive web platform prototype for alumni engagement.
- Implement basic user registration and login interfaces.
- Simulate feeds, profiles, and event features in the prototype.
- Create a scalable foundation for future web and mobile development.

3. Project Scope and Feasibility

3.1 Current Scope (In Scope for MVP)

- User registration and authentication (mockup only).
- Feed display, events, and job postings (prototype screens).
- Alumni profiles and admin dashboard (visual simulation).
- Documentation and presentation materials.

3.2 Out of Scope (Future Phases)

- Live backend integration.
- Native mobile application (Android/iOS).
- Real-time communication and notifications.
- Online payments and donations.

3.3 Feasibility

- Operational Feasibility: 95%
- Technical Feasibility: 90%
- Schedule Feasibility: 90%

3.4 Background and Related Work

Existing alumni platforms such as AlmaConnect and Graduway inspired this project. However, this prototype is customized for Uganda Christian University's needs — low-cost, secure, and community-driven.

4. Budget and Resource Plan (UGX 600,000)

Category	Description	Estimated Cost (UGX)
Software Tools & Development	Hosting, domain setup, backend tools	200,000
UI/UX Design & Graphics	Interface mockups and prototyping tools	80,000
Documentation & Printing	Reports and manuals	70,000
Testing & Maintenance	Debugging and updates	100,000
Training & Awareness	Orientation sessions for alumni and students	100,000
Contingency	Miscellaneous expenses	50,000

5. Expected Outcomes and KPIs

- Enhanced alumni-student engagement through a dedicated platform.
- Increased visibility of alumni career opportunities.
- Improved communication between the Alumni Office and graduates.
- Establishment of a digital foundation for future development.

6. Team Structure and Contributions

Member	Role	Key Contributions	Duration
Feta Jordan	Project Lead	Coordinated the project, managed documentation, led design	4 Weeks
Harriet Namaggwa	System Analyst	Conducted requirements analysis and feasibility study	2 Weeks
Cynthia Mirembe	Backend Developer	Designed database schema and backend structure (prototype)	3 Weeks
Kenneth Elongu	UI/UX Designer	Created user interface prototypes	3 Weeks
Colleen Ampaire	QA/Tester	Conducted interface testing and usability review	1 Week
Isaac Sserubambula	Documentation Specialist	Drafted user and technical documentation	1 Week

7. Project Milestones

Phase	Activity	Status
Planning	Requirement collection and project charter	Completed
Analysis	Feasibility study and design specification	Completed

Design	Prototype wireframes and mockups	Completed
Development	MVP prototype (frontend mockups)	Completed
Testing	Prototype testing and feedback	Completed
Closure	Documentation and presentation	Ongoing

8. Risks and Mitigation

Risk	Likelihood	Impact	Mitigation Strategy
Limited Funding	High	High	Seek university support and alumni sponsorships
Technical Limitations	Medium	Medium	Modular development with scalable architecture
Low Adoption	Medium	Medium	Awareness campaigns through the Alumni Office
Data Security Issues	Low	High	Use secure authentication and encryption methods

9. Conclusion

The UCU Alumni Nexus Project is nearing completion with its prototype successfully demonstrating design and usability objectives. Despite financial and technical limitations, the MVP lays a solid foundation for future development.

10. Prototype Design and Functionality

The prototype demonstrates the user journey and interface across nine (9) core screens. Each screen visually represents how the final platform will function for students, alumni, and administrators.

Screen 1: Welcome / Splash Page

Description: Displays the UCU logo and branding while initializing the app. It transitions to the login or registration screen.

9:41



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Screen 2: Login – Student

Description: Allows students to sign in using their student credentials, granting access to the home dashboard and feed.

9:41



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Login

Enter your Reg/Access number below

Registration details

Enter your registration/access number

Log in



Screen 3: Dashboard (Home Feed)

Description: Central page showing updates, alumni stories, job posts, and quick links to mentorship and events.

9:41



Dashboard



Join our mentorship platform connecting students with successful alumni. Get personalized guidance, career insights, and build meaningful connections that shape your future.

Pair mentor

Asses students

Calender

Add new event/item



Screen 4: Registration Page

Description: Enables new users (students or alumni) to sign up by submitting personal and academic details for account verification.

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Register

Enter your details below

Name

Enter your full name

Registration details

Registration or access number

Program

Ex: Bsc. in Information Technology

Year registered

Ex: 2025

Category

Student/Alumni

Gender

Male/Female

¹³
Submit

Screen 5: Login – Admin

Description: Special login interface for administrators to access the management dashboard and system analytics.

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Login

Enter your Admin credentials below

Admin

Password

Log in →

Screen 6: Feed Page

Description: Displays posts shared by alumni — including success stories, achievements, and opportunities.



Feed



Proud Alumni

UCU Alumni students share their stories on how UCU turned their lives around propelling them not only in their drive for academic excellence but life as a whole.



Graduation

Screen 7: Mentors Page

Description: Lists available mentors and their areas of expertise, allowing students to connect for guidance and support.

9:41



Mentors



Mentor

Bio:

Hello, my name is Feta Jordan. I am currently doing a Diploma in Information Tech.

Mentor

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Screen 8: Alumni Interaction / Community Page

Description: Provides a shared space where users interact, exchange messages, and view community updates.



Screen 9: Settings / Admin Dashboard

Description: Interface for managing platform settings, approving alumni profiles, posting announcements, and tracking engagement.

9:41



Settings



11. Unachieved Goals and Limitations

Despite notable progress, the project did not achieve a fully functional web and mobile application due to:

- **Limited Funds:** The team lacked financial resources to deploy and host the platform online.
- **No Financing Bodies:** Absence of sponsors or institutional funding for extended development.

The prototype, however, accurately demonstrates how the final product will operate and serves as a blueprint for the next development phase.

12. Future Work and Recommendations

- Seek partnerships and funding from UCU or alumni sponsors.
- Implement backend logic using Django or Node.js.
- Develop native mobile versions (Android/iOS).
- Integrate analytics for tracking user engagement.
- Include secure donation and event ticketing features.