

## Final Test Sign-Off Sheet: MU Connect

Project Title: MU Connect

Version: 3.0

Testing Phase: Final QA Sign-off

Date of Completion: May 3, 2025

Prepared by: MU Connect QA Team

### Project Overview

MU Connect is a student-alumni networking mobile application developed for Mahindra University. The goal of testing was to ensure that the app is functionally sound, user-friendly, visually consistent, and free of critical bugs across supported devices before release.

### Testing Summary

- ➔ All core modules were tested: Authentication, Profile, Feed, Messaging, Job Posting, Events, Forums, and Admin Tools.
- ➔ Manual testing was conducted on iOS simulators and real iOS devices.
- ➔ The app was tested using Xcode with Swift and SwiftUI, and included PhotosUI, Core Data, and UserDefaults integrations.
- ➔ More than 100 manual test cases were executed, covering functional, integration, regression, and UI/UX aspects.
- ➔ End-to-end system testing and user acceptance testing were completed successfully.
- ➔ Feedback was collected from Mahindra University students and alumni during real-user testing sessions.

### Test Results Summary

- ➔ Test Coverage: All planned test cases executed
- ➔ Pass Rate: Over 97% of test cases passed
- ➔ High-priority Bugs Found: 5 (all resolved)
- ➔ Moderate/Low-priority Issues: Logged for post-release improvement
- ➔ Performance & Responsiveness: Verified for smooth operation across supported iOS devices

### Key Issues Resolved

- ➔ Authentication:
  - ◆ Fixed user login/save failure due to improper UserDefaults handling
  - ◆ Implemented email validation for Mahindra University-only signups
- ➔ Profile Management:
  - ◆ Resolved image distortion using proper resizing and clipping methods
  - ◆ Fixed infinite loading issue caused by decoding errors
- ➔ Post and Feed:
  - ◆ Blank feed issue fixed by updating the Post model and adding **Identifiable**
  - ◆ Added missing initializers to reflect caption changes
- ➔ Connect Page and Following:

- ◆ Ensured correct rendering of follow buttons by properly loading the current user
- ◆ Updated the MUUser model to include the **following** field for decoding
- General SwiftUI Maintenance:
  - ◆ Removed conflicting struct definitions
  - ◆ Updated deprecated SwiftUI methods for lifecycle compliance

### **Exit Criteria Confirmation**

- All core features were implemented and test-ready
- Every critical and high-priority bug was either resolved or accepted with documented justification
- All planned test cases were executed, and results were reviewed
- Test logs, screenshots, error reports, and summaries were compiled
- Feedback from user testing was considered and integrated into final updates
- The QA and development teams reviewed and agreed that the app meets release quality standards

### **Risk Considerations**

- Differences across devices and screen sizes were mitigated with responsive design and broad device testing
- Tight testing timelines were managed with buffer days and focused testing cycles
- Network/API failures were simulated using mock servers to validate offline behavior

### **Final Approval**

This document certifies that the MU Connect app has undergone thorough testing and meets the quality standards required for release. All stakeholders acknowledge that the testing phase is complete, and the app is ready for deployment.