
Project Preliminary Document

For

UniComm

Group No.: 5 (TT4L)

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Date: 18 April 2025

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1 Vision

The University Communication and Services Portal is designed to provide transparent, timely communication and access to academic and administrative services for students, lecturers, administrators, and parents. This portal will integrate with the university's existing Campus Management System to retrieve essential data such as academic performance, attendance, and billing information, and present it in a user-friendly interface.

The system will also integrate with an SMS Gateway to ensure critical updates (such as low attendance alerts, fee reminders, and academic performance summaries) reach parents and students directly on their mobile phones.

2 Scope

The University Communication and Services Portal is designed to simplify and enhance access to academic and administrative services. It complements the existing Campus Management System (CMS) by offering a user-friendly interface and essential features for daily operations. The system also integrates with an SMS Gateway to ensure timely communication.

Supported Role-Based Functionalities:

- **Students:**
 - View subject details, academic grades, and class schedules.
 - Receive notifications and report system issues.
- **Lecturers:**
 - Manage student attendance, grades, and notifications.
 - Monitor student performance and receive alerts for at-risk students.
- **Administrators:**
 - Manage user roles, access logs, fee reports, enrollment statistics, and analytics.
 - Generate system reports.
- **Parents:**
 - Receive SMS updates on attendance, academic performance, and billing.
 - No direct portal access required/ a read-only interface

The portal ensures secure, role-based access, protects data confidentiality, and complies with institutional policies.

3 Goals

- Simplify system access by providing a user-friendly portal for routine tasks, minimizing direct interaction with the CMS.

- Enhance communication through automated SMS alerts for students and parents regarding academic, attendance, and financial updates.
- Improve operational efficiency with role-specific dashboards, reducing administrative workload and errors.
- Ensure security and compliance via access controls, encryption, and audit logs to protect sensitive data.
- Support academic success by enabling early intervention through performance tracking and automated alerts.