Proposal: Enhancing the Habib University PSCS Platform

Problem Statement

The PeopleSoft Campus Solutions (PSCS) platform is a critical system for managing academic and administrative functions at Habib University. Students rely on it for course enrollment, attendance tracking, grade monitoring, and accessing academic records. However, the platform currently presents several challenges that impact the student experience and overall usability.

Proposed Solution

Many students face difficulties while using PSCS due to its limited functionality and lack of key user-friendly features. To address these issues, we propose developing a lightweight PSCS prototype with improved features to enhance student experience and resolve existing concerns.

Scope of Improvements

We aim to address the following critical challenges:

Enhanced Login Security

Currently, PSCS lacks multi-factor authentication (MFA), allowing anyone with the password to log in without additional verification.

This has led to instances of unauthorized access and security breaches.

We propose implementing OTP-based authentication to enhance security and prevent unauthorized logins.

Automated Attendance Notifications

Instructors mark absences, but students receive no real-time notifications.

The only way to check attendance status is by manually logging into the system, which often leads to students missing important updates and, in some cases, unintentional course drops due to attendance violations.

Our solution will introduce automated attendance alerts via email or SMS, ensuring students stay informed.

Activity Tracking for Course Enrollment

During the enrollment period, students frequently swap, drop, or add courses under tight deadlines.

The current PSCS system does not provide a comprehensive activity log, making it difficult for students to track their changes.

Our solution will introduce a detailed activity history feature, allowing students to review their past actions and make informed decisions.

Prototype Development & Future Potential

In addition to these specific improvements, we will develop a basic structural framework for an enhanced PSCS platform. This prototype will not only integrate the above functionalities but will also serve as a foundation for further enhancements, making it a scalable and adaptable solution for future needs.

By addressing these critical usability and security issues, we aim to significantly improve the student experience and provide a more intuitive, secure, and efficient PSCS system.