

Project Title

Campus Equipment Borrowing and Facility Reservation System

Problem Statement

In schools and organizations, borrowing equipment and reserving facilities for events are often managed through manual forms or verbal requests. This process leads to double-bookings, lost records, and inefficient scheduling. Students and organizations also struggle because there is no centralized platform where they can check if a room or equipment is already reserved. These issues cause inconvenience, wasted time, and difficulty in managing campus resources effectively.

Objectives

- To provide a centralized digital platform for reserving facilities and borrowing equipment.
- To allow users to view real-time schedules and availability before making reservations.
- To notify users of reservation status, approvals, and reminders.
- To assist administrators in managing requests, preventing scheduling conflicts, and monitoring resource usage.

Proposed Solution

The proposed system will be a web-based application that enables students, staff, and organizations to borrow equipment and reserve facilities online. The platform will display real-time availability of rooms and equipment to avoid conflicts and double-bookings.

Users can submit requests digitally, while administrators can review, approve, or decline them through a management dashboard. The system will also send notifications to confirm reservations and remind users of upcoming schedules. By digitizing the reservation process, the campus can ensure efficient scheduling, fair resource allocation, and reduced manual workload for administrators.