

## **PROJECT TITLE:** Classroom Occupancy & Reservation System

### **PROJECT DESCRIPTION:**

Many schools and universities face the ongoing problem of finding available classrooms, especially when professors or students need a space for last-minute meetings, make-up classes, or quiet study time. Often, valuable time is wasted checking rooms manually, only to find them occupied or unscheduled, leading to frustration, underused spaces, and frequent booking conflicts. This offers a practical solution by providing a centralized platform that displays real-time room availability and allows quick reservations. With its user-friendly interface, automatic conflict detection, and admin tools for approvals and usage monitoring, the system makes room management more efficient. It reduces scheduling confusion, prevents double bookings, and helps institutions make better use of their available space while saving time for everyone involved.

### **PLANNED FEATURES:**

- **User Authentication & Account Management:** Allows users to create accounts, log in securely, and manage their profile information.
- **Room Availability Inquiry:** Enables users to search for available rooms based on date, time, capacity, and desired features.
- **Room Reservation Submission:** Users can select an available room and submit a booking request for a specific time slot.
- **Booking Management & Cancellation:** Allows users to view their existing reservations and cancel them
- **Administrative Dashboard:** Provides administrators with tools to manage rooms, view bookings, set availability rules, and handle user accounts.

### **TOOLS AND TECHNOLOGIES**

- Visual Studio
- Frontend: Windows Form
- Database: Microsoft SQL Server

### **EXPECTED OUTPUT**

- Desktop application with a user interface for viewing available event spaces.
- Calendar view to display booking availability.
- Form for submitting reservation requests (date, time, purpose, attendees).
- Simple admin interface for adding/managing event spaces and viewing bookings

Proposal by: Paglicawan, Jo Ann

Leader : Casipit, Kyle Christian Lopez

Members:

Dumlao, Jhoyce Anne Niel Bendita

Orbeta, Jeren Aubrey Marquina

Paglicawan, Jo Ann

Palacios, Yuan Danyel

Yulip, Kenneth Doydora