NANYANG TECHNOLOGICAL UNIVERSITY SINGAPORE

School of Computer Science and Engineering
College of Engineering
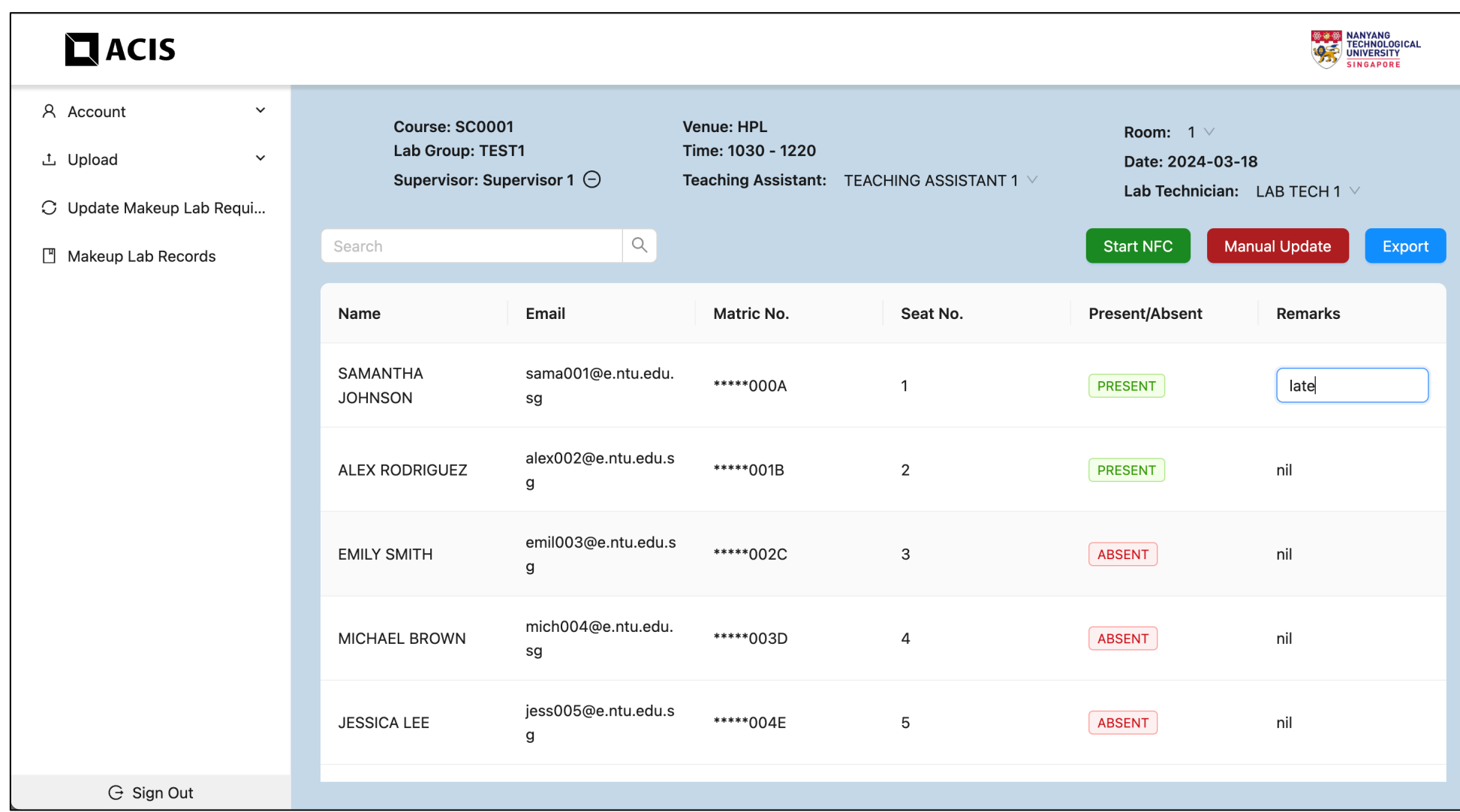
Attendance Management System

NFC-Enabled Attendance System for SCSE Labs

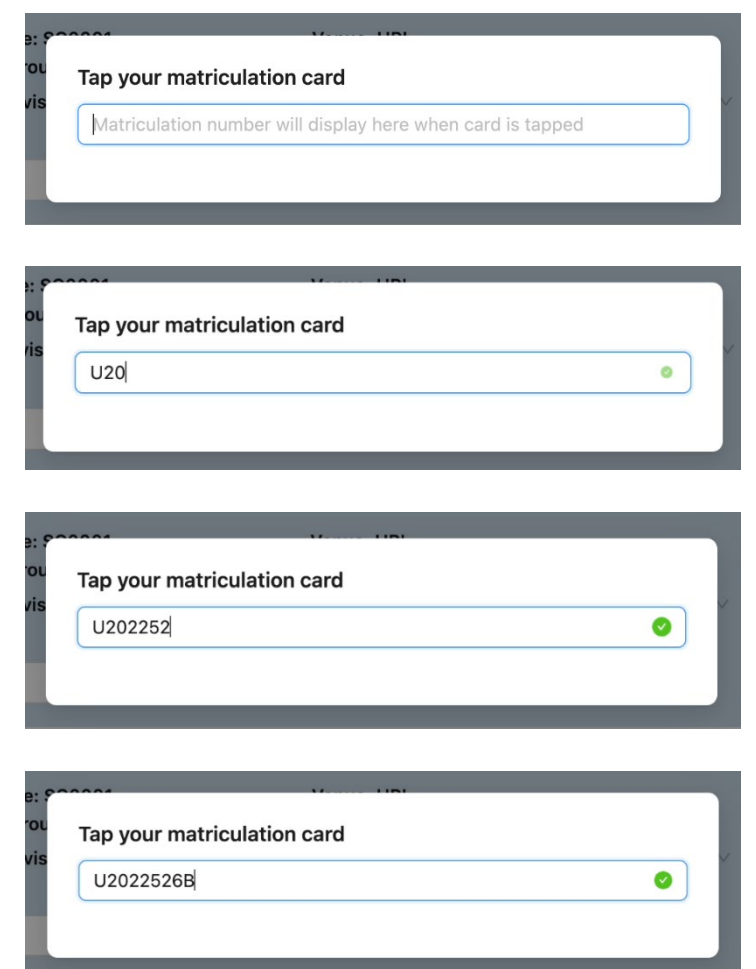Student: Xu Shaoyi   Supervisor: Dr. Smitha Kavallur Pisharath Gopi

Project Objectives:

The objective of this project is to develop a NFC-Based Attendance Management System for SCSE labs to address issues related to traditional pen-and-paper attendance tracking. The new attendance system will be developed as a web application to enable faster attendance taking by tapping a student's matriculation card onto the NFC reader connected to the computer. The system also integrates automated email notifications sent to absentees to notify them of their absence and the need for any further actions. Search functions within the application also allow users to easily find attendance information for a particular lab session, eliminating the hassle of flipping through numerous folders to locate a record.

Main Features:

- Authentication with Role-Based Access Control
- Upload of Attendance Excel files
- Custom Attendance Tables
- NFC-Enabled Attendance Taking
- Automatic Email Notifications

Toppan Forms TC63CUT021 NFC Reader/Writer