**PROJECT PROPOSAL FORM**

# Student name: Mah Sung Kit

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**Project title:**

**Supervisor: Mr.Gan Boon Siang**

**Brief description of project:**

A security system is a comprehensive set of measures and components designed to safeguard individuals, assets, or information from various threats, risks, and unauthorized access. The primary goal of a security system is to provide protection and ensure the safety of people and valuable resources.

In this project, an ESP32 microcontroller will be used to construct a security system that combines RFID access control and motion detection features. The Arduino IDE will be used to configure the ESP32 to control access using RFID cards and use sensors to detect movements.

The main goal in this project is that we will successfully use the ESP32 microcontroller to implement motion detection and access control using RFID and significantly improve the quality of security.

The Supervisor and Project Manager should sign in the space provided below to indicate that the necessary resources (including supervision time/expertise) are available for the proposal.

Student Signature: ..........................................................................................

Project Manager Signature: .........................................................................................

Date: ................................................