



University College Sedaya International



## **SCHOOL OF ENGINEERING**

### **SIMPLE KEYPAD SECURITY ACCESS SYSTEM**

**STUDENT'S NAME : TAN ENG KEAT**

**STUDENT'S UCSI ID : 99309552**

**STUDENT'S UNN ID : 05026581**

**MAJOR : B. Eng. (HONS) ELECTRICAL  
& ELECTRONIC ENGINEERING**

**FIRST SUPERVISOR'S NAME : MR. RAJPARTHIBAN KUMAR**

**SECOND SUPERVISOR'S NAME : MS. YUSNITA**

**PROJECT'S COORDINATOR : DR KHEDR M.M. ABOHASSAN**

**SEPTEMBER 2005 – APRIL 2006**

**UCSI  
LIBRARY**

## **Abstract**

The growing number of instances of breaches in information security in the last few years has created a compelling case for efforts towards secure electronic systems. Simple keypad security access system is a simple economical solution for single door access management targeted at residential and light commercial applications. The system is built to allow the user to gain access to it using remote control or keypad code. With this method, the user is able to access the door with tougher security system thus preventing outsider gaining access to it. The system is equipped with electromagnetic lock, keypad, temperature sensor, infrared sensor and magnetic sensor. The objective for this effort was to incorporate the convenience of keyless entry technology into the motion which uses simple keypad and infrared remote control to open the door.