**CODE**

#include <SPI.h>

#include <MFRC522.h>

#include <SoftwareSerial.h>

SoftwareSerial Sim(5,6);//GSM txd and rxd pins

#define SS\_PIN 10

#define RST\_PIN 9

#define ACCESS\_DELAY 2000

#define DENIED\_DELAY 1000

#define buzzer A5

MFRC522 mfrc522(SS\_PIN, RST\_PIN); // Create MFRC522 instance.

void setup()

{

Serial.begin(9600); // Initiate a serial communication

Sim.begin(9600);

Sim.println("AT");

delay(1000);

Sim.println("AT+CMGF=1"); // Set message format to text mode

delay(1000);

SPI.begin(); // Initiate SPI bus

mfrc522.PCD\_Init(); // Initiate MFRC522

pinMode(buzzer,OUTPUT);

Serial.println("Put your card to the reader...");

Serial.println();

delay(500);

}

void loop()

{

int b=0; // Look for new cards

if ( ! mfrc522.PICC\_IsNewCardPresent())

{

return;

}

// Select one of the cards

if ( ! mfrc522.PICC\_ReadCardSerial())

{

return;

}

//Show UID on serial monitor

Serial.print("UID tag :");

String content= "";

byte letter;

for (byte i = 0; i < mfrc522.uid.size; i++)

{

Serial.print(mfrc522.uid.uidByte[i] < 0x10 ? " 0" : " ");

Serial.print(mfrc522.uid.uidByte[i], HEX);

content.concat(String(mfrc522.uid.uidByte[i] < 0x10 ? " 0" : " "));

content.concat(String(mfrc522.uid.uidByte[i], HEX));

}

Serial.println();

Serial.print("Message : ");

content.toUpperCase();

if (content.substring(1) == "99 8D 5D 6D") //change here the UID of the card/cards that you want to give access

{

Serial.println("Authorized access");

Serial.println();

delay(500);

}

int x= bool(content.substring(1) != "99 8D 5D 6D");

if(x){

Serial.println("Access Denied");

digitalWrite(buzzer,HIGH);

delay(5000);

digitalWrite(buzzer,LOW);

delay(1000);

}

if(x){

Serial.println("Sending messege....");

Sim.print("AT+CMGS=\"+919705490493\"\r"); // change to the phone number you using

delay(1000);//delay of one second

Sim.println("Hey Sai\nAlert! Somebody entered");

Sim.write(26);//the content of the message

}

}