/\* Typical pin layout used:

\* ----------------------------------

\* MFRC522 Node

\* Reader/PCD MCU

\* Signal Pin Pin

\* ----------------------------------

\* RST/Reset RST D1 (GPIO5)

\* SPI SS SDA(SS) D2 (GPIO4)

\* SPI MOSI MOSI D7 (GPIO13)

\* SPI MISO MISO D6 (GPIO12)

\* SPI SCK SCK D5 (GPIO14)

\* 3.3V 3.3V 3.3V

\* GND GND GND

\*/

#define BLYNK\_PRINT Serial

#include <ESP8266WiFi.h>

#include <BlynkSimpleEsp8266.h>

char auth[] = "09754f5944c94ede9f2714b3802430ef";

char ssid[] = "Realme 2 Pro";

char pass[] = "roopak07";

BlynkTimer timer;

#include "SPI.h"

#include "MFRC522.h"

#define SS\_PIN 4

#define RST\_PIN 5

MFRC522 rfid(SS\_PIN, RST\_PIN);

int a=12345,b=12345;

void sendSensor()

{

digitalWrite(2,HIGH); // indication for online

if (!rfid.PICC\_IsNewCardPresent() || !rfid.PICC\_ReadCardSerial())

return;

String strID = "";

for (byte i = 0; i < 4; i++)

{

strID +=String(rfid.uid.uidByte[i], DEC);

}

Serial.print("Tap card key: ");

Serial.println(strID);

digitalWrite(0,HIGH);

delay(200);

digitalWrite(0,LOW);

delay(200);

/\* Master Card \*/

if(strID=="83704143")

{

Serial.println("master card");

a=0;

b=0;

Blynk.virtualWrite(V1, "master card"); //printing name in excel sheet

}

/\* Manisha \*/

else if(strID=="16024222841")

{

Serial.println("Mahesh");

if(a==0)

{

Serial.println("check in");

Blynk.virtualWrite(V1, "Mahesh check-in");

a=1;

}

else if(a==1)

{

Serial.println("check out");

Blynk.virtualWrite(V1, "Mahesh check-out");

a=0;

}

else if(a==12345)

{

Serial.println("Mahesh");

Blynk.virtualWrite(V1, "Mahesh"); //printing name in excel sheet

}

}

/\* roopak ' \*/

else if(strID=="160206175137")

{

Serial.println("Roopak");

if(b==0)

{

Serial.println("check in");

Blynk.virtualWrite(V1, "Roopak check-in");

b=1;

}

else if(b==1)

{

Serial.println("check out");

Blynk.virtualWrite(V1,"Roopak check-out");

b=0;

}

else if(b==12345)

{

Serial.println("Roopak");

Blynk.virtualWrite(V1, "Roopak"); //printing name in excel sheet

}

}

else

{

Blynk.virtualWrite(V1, strID); // printing card value in excel sheet

}

rfid.PICC\_HaltA(); //

}

void setup()

{

Serial.begin(115200);

Blynk.begin(auth, ssid, pass);

pinMode(0,OUTPUT); //D3 , for check-in check-out indication

pinMode(2,OUTPUT); //D4 , for online indication

SPI.begin();

rfid.PCD\_Init();

timer.setInterval(1000L, sendSensor);

}

void loop()

{

Blynk.run();

timer.run();

}