

RFID RC522 with Google Sheet

ESP32 Code:

```
#include <WiFi.h>

#include <HTTPClient.h>

#include <SPI.h>

#include <MFRC522.h>

#define SS_PIN 5

#define RST_PIN 27

const char* ssid = "ssid";

const char* password = "password";

const char* serverName = "paste_url";

MFRC522 mfrc522(SS_PIN, RST_PIN);

void setup() {

    Serial.begin(115200);

    WiFi.begin(ssid, password);

    while (WiFi.status() != WL_CONNECTED) {

        delay(500);

        Serial.print(".");

    }

    Serial.println("\nConnected to WiFi");

    SPI.begin();

    mfrc522.PCD_Init();

}

void loop() {

    if (!mfrc522.PICC_IsNewCardPresent() || !mfrc522.PICC_ReadCardSerial()) return;

    String uid = "";

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

        uid += String(mfrc522.uid.uidByte[i], HEX);

    }

    if (WiFi.status() == WL_CONNECTED) {

        HTTPClient http;
```

```
String url = String(serverName) + "?uid=" + uid;
http.begin(url);
int httpCode = http.GET();
if (httpCode > 0) {
    Serial.println("Data sent to Google Sheet");
} else {
    Serial.println("Error sending data");
}
http.end();
}
delay(2000); // Prevent multiple entries
}
```

Apps Script Code:

```
function doGet(e) {
    var sheet = SpreadsheetApp.getActiveSpreadsheet().getActiveSheet();
    var uid = e.parameter.uid;
    var timestamp = new Date();
    sheet.appendRow([timestamp, uid]);
    return
    ContentService.createTextOutput("Success");
}
```
