**2190151 Computer Programming Lab**

**Lab 8 Wifi access point**

**Objective:**

1.Student is able to use M5stack as WIFI access point

2.Student is able to practice problem solving skill

**Task 1** Goto <https://community.m5stack.com/topic/60/lesson-3-1-wi-fi-access-point> and follow the instruction given on the page you may download the code from <https://yadi.sk/d/fzvtq1wX3RP53d>

You may delete the crossed out line to remove program bug

if (readyResponse) // отдать браузеру

{

String GET = parseGET(currentString);

~~client.flush();~~

client.println("HTTP/1.1 200 OK");

client.println("Content-type:text/html");

client.println();

**Task 2** Connect M5stack to LED and modify the code in Task 1 to be able to turn on/off the LED

**Task 3** (option 1) Modify the code in Task 2 to be able to control 2 LED and show two bulb on M5stack LCD screen

**Task 3** (option 2) Connect DHT sensor to M5stack and modify the code in Task 1 to be able to send the current temp and humidity data to web browser (i.e., when press any button) .

**Section\_\_\_\_\_\_\_\_\_\_\_\_\_date\_\_\_\_\_\_\_\_\_\_**

**Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Student ID\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Laboratory 8 WiFi Access point:**

**Task1: M5stack Wifi access point**

Graded by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Time\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Task 2: Control LED**

Graded by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Time\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Task 3: Two Bulb**

Graded by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Time\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**What do you learn from this lab?**