**REPORT LAB**

**EMBEDDED SYSTEM - CO3054**

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1. BLE with ESP32 on Arduino IDE  
   Graphical user interface, text, application, email

   Description automatically generated
2. ESP32 BLE SCANNER   
   Result:   
   Text

   Description automatically generated
3. ESP32 BLE SEVER with sever name: “ESP32 Gia An 1952163”

Graphical user interface, text, application, email

Description automatically generated

#define SERVICE\_UUID        "69a87d99-f2d3-4b5f-ba31-2a6b6a94a9f7"

#define CHARACTERISTIC\_UUID "35480e82-188e-4b6b-bc77-1dde5fb8ddb3"

BLE name setup:

  BLEDevice::init("ESP32 Gia An 1952163");

Set Characteristic:

  pCharacteristic->setValue("This is ES Lab 4 from Duong Gia An - 195163");

1. ESP32 BLE SEVER WITH SMARTPHONE  
   Text

   Description automatically generatedGraphical user interface, text, application

   Description automatically generated