



Final Assembly (Sprint 4)

MINF UDL 20-21

Ubiquitous and embedded systems

Team 1

1. Considerations

a. Power considerations:

- i. In this case, the data producers 1 and 2 are connected to the Shield of power supply.
- ii. All other components are powered by the Raspberry, as seen in the wiring connection (Point 3).

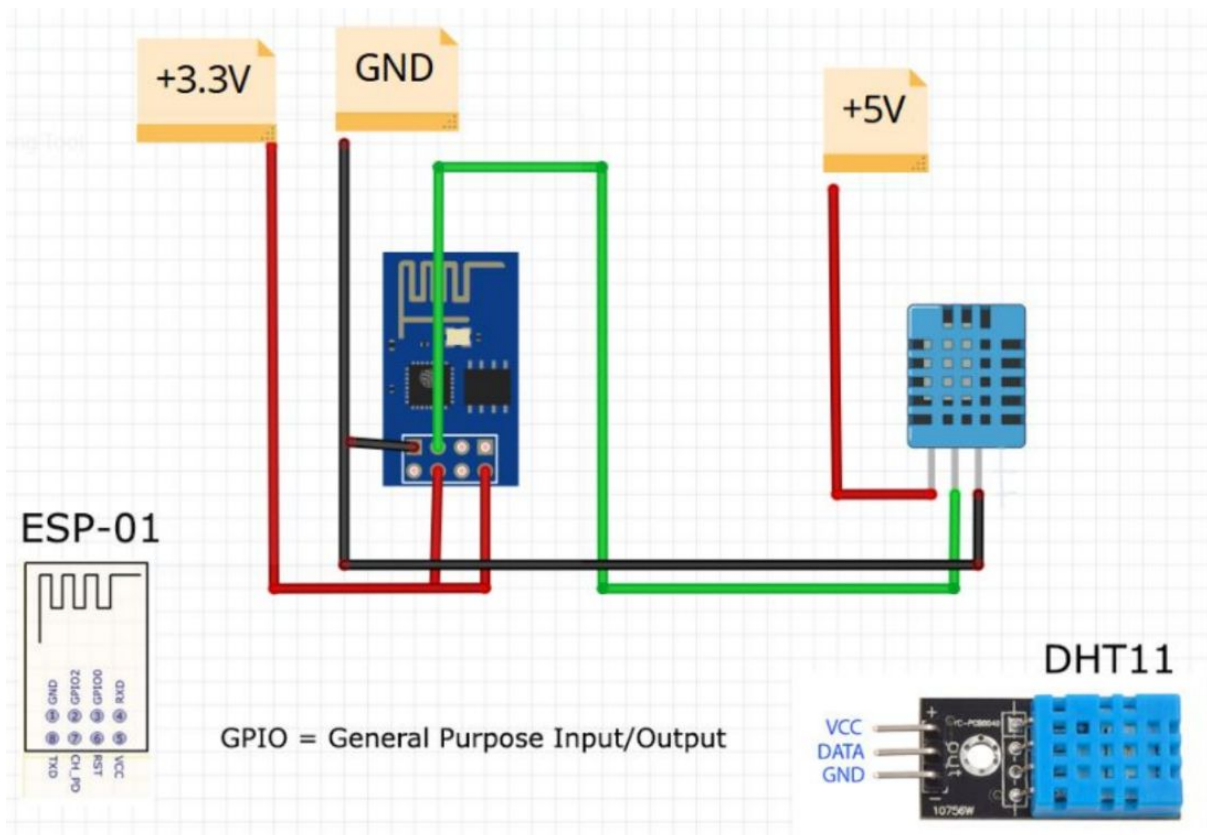
2. Preparation

- a. ChibiOS code
 - i. Please refer to [/code/ChibiOS_i2c_Raspberry/](#) for the full code
- b. Arduino (Data Receiver) code
 - i. Please refer to [/code/Receiver_Arduino/](#) for full code
- c. Data producers code
 - i. Please refer to [/code/DataProducer1_ESP_Sender1&2](#) for full code

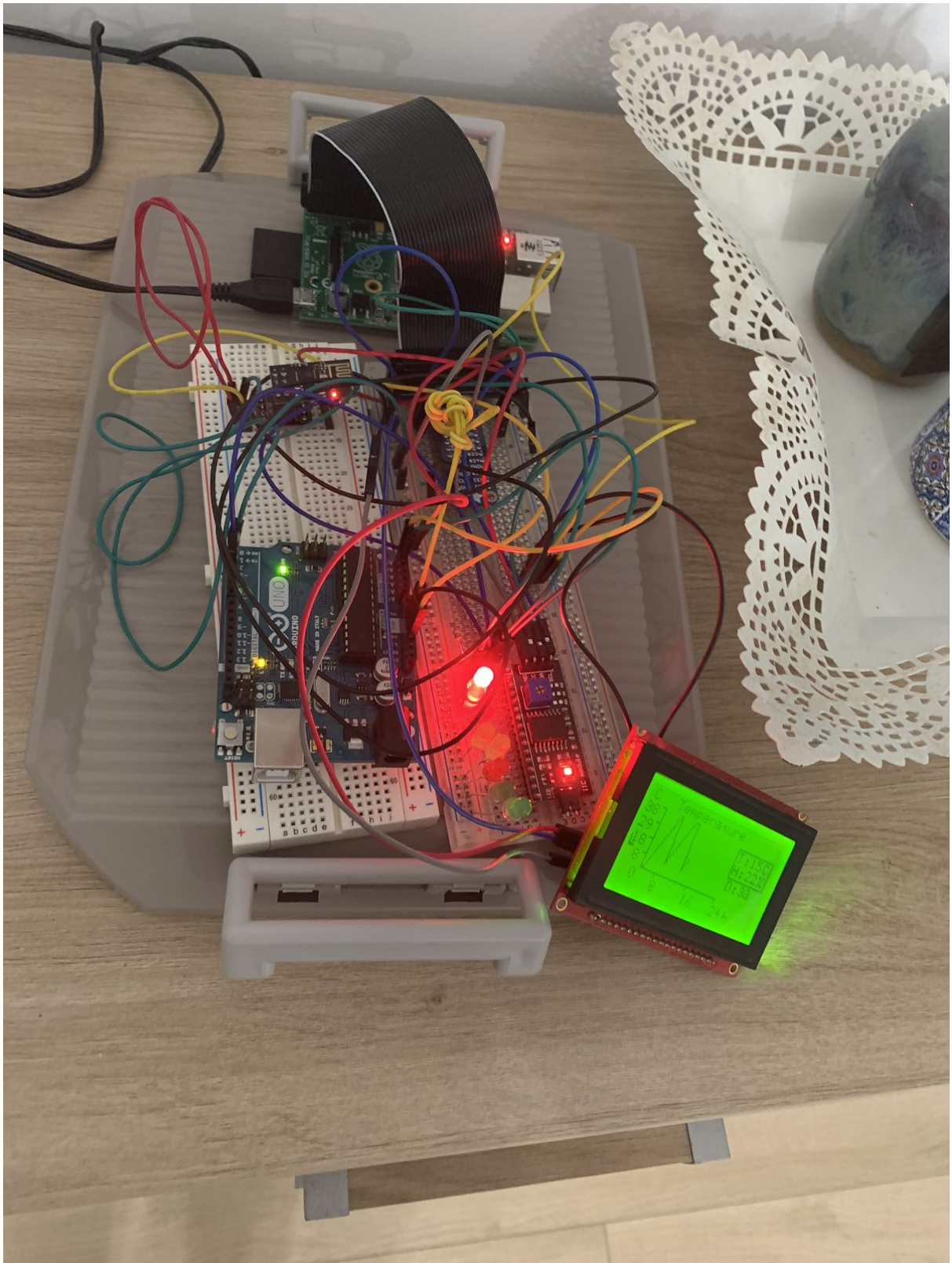
3. Wiring connection

a. Data receivers schema:

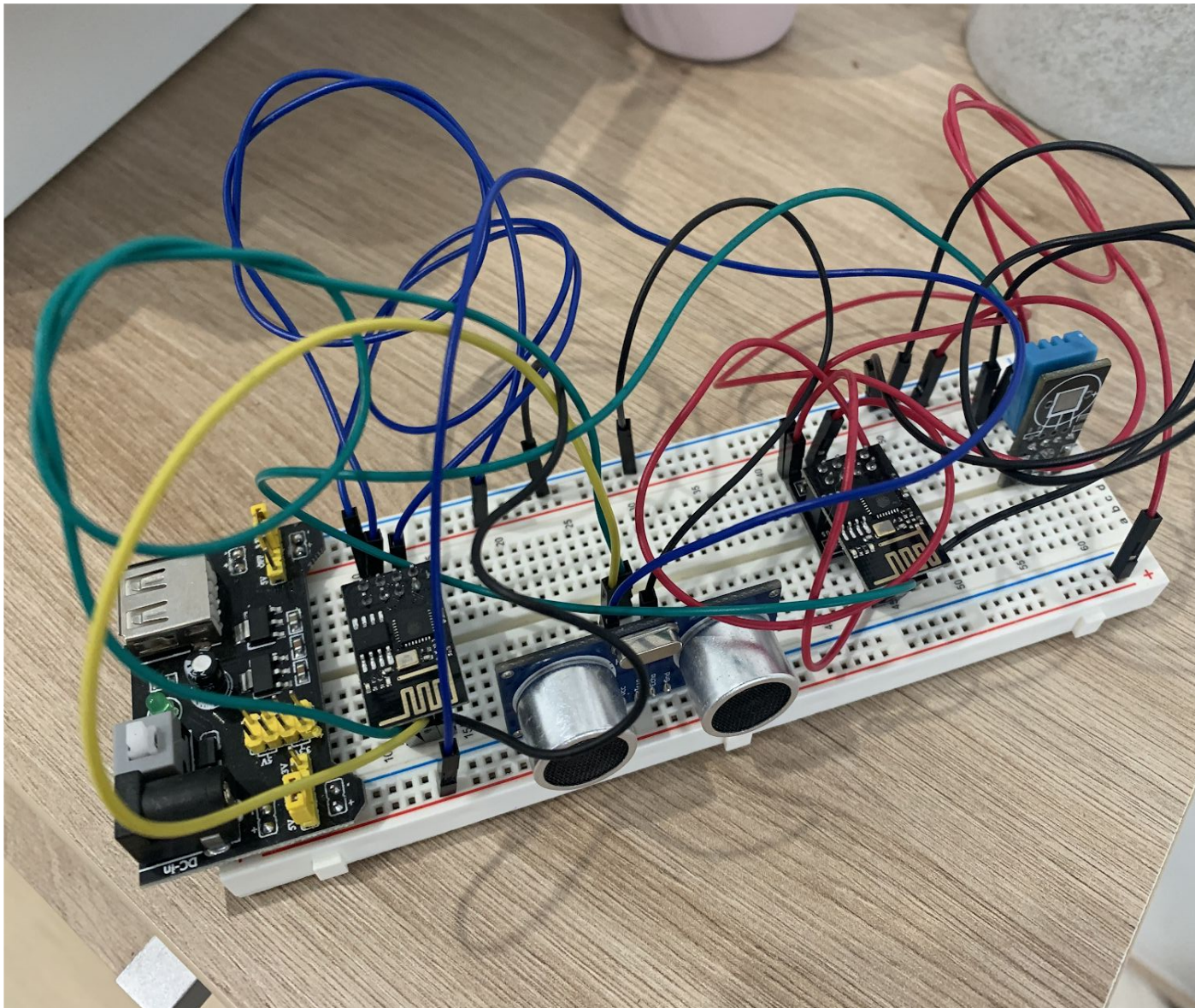
c. Data Producer 2 schema:



4. Final results:



Data receivers(using 2 breadboards)



Data producers 1 & 2 (using 1 breadboard)