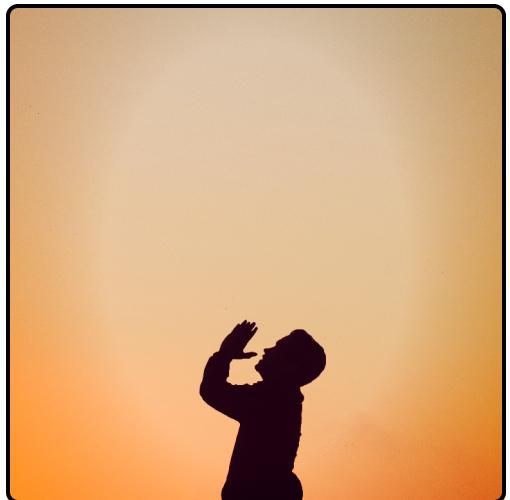


WIND TURBINE GENERATOR

SPRINT 1



TEAM



Francesc Contreras
Software Engineer & Data Analyst



Marc Visa
Software Engineer



Albert Pérez
Software Engineer

PRODUCT BACKLOG

24 Open ✓ 0 Closed		Author ▾	Label ▾	Projects ▾	Milestones ▾	Assignee ▾	Sort ▾
<input type="checkbox"/>	Read Documentation Acelerometer ADXL345 learning						
	#24 opened 8 days ago by elskater98 III Done 3						
<input type="checkbox"/>	First Contact with electronic components learning						
	#23 opened 8 days ago by elskater98 III Done 8 ○ 3 tasks done						
<input type="checkbox"/>	Read Documentation ESP-01 learning						
	#22 opened 8 days ago by elskater98 III Done 3						
<input type="checkbox"/>	Read Documentation DHT11 learning						
	#21 opened 8 days ago by elskater98 III Done 3						
<input type="checkbox"/>	Revise Material good first issue						
	#20 opened 8 days ago by elskater98 III Done 2						
<input type="checkbox"/>	Read Documentation about NodeMCU module learning						
	#19 opened 15 days ago by mvp17 III Product Backlog 3						
<input type="checkbox"/>	Sprint Documentation documentation						
	#18 opened 15 days ago by elskater98 III Done 8						
<input type="checkbox"/>	MQTT Broker Development enhancement						
	#17 opened 15 days ago by elskater98 III Product Backlog 8						
<input type="checkbox"/>	Arduino interaction with R.Pi enhancement						
	#16 opened 15 days ago by mvp17 III Product Backlog 8						
<input type="checkbox"/>	Data Consumer: Ultrasonic LED bar representation enhancement						
	#15 opened 15 days ago by mvp17 III Product Backlog 8						
<input type="checkbox"/>	Data Consumer: Data log and Screen representation enhancement						
	#14 opened 15 days ago by mvp17 III Product Backlog 8						
<input type="checkbox"/>	Data Producer 2 development enhancement						
	#13 opened 15 days ago by mvp17 III In progress 8						
<input type="checkbox"/>	Data Producer 1 development enhancement						
	#12 opened 15 days ago by mvp17 III Done 8						

<input type="checkbox"/>	Test Data Producer 2 testing						
	#11 opened 15 days ago by elskater98 III Product Backlog 5						
<input type="checkbox"/>	Test Data Producer 1 testing						
	#10 opened 15 days ago by elskater98 III Done 5						
<input type="checkbox"/>	Test MQTT Broker testing						
	#9 opened 15 days ago by elskater98 III Product Backlog 5						
<input type="checkbox"/>	Test Supervision Station testing						
	#8 opened 15 days ago by elskater98 III Product Backlog 5						
<input type="checkbox"/>	Read Documentation MCP23017 learning						
	#7 opened 15 days ago by elskater98 III Product Backlog 3						
<input type="checkbox"/>	Arduino interaction with ESP-01 enhancement						
	#6 opened 15 days ago by mvp17 III Product Backlog 8						
<input type="checkbox"/>	Read Documentation I2C Protocol learning						
	#5 opened 15 days ago by elskater98 III Done 2						
<input type="checkbox"/>	Read documentation LCD Screen/Display learning						
	#4 opened 15 days ago by elskater98 III Done 2						
<input type="checkbox"/>	Install ChibiOS to Raspberry Pi enhancement						
	#3 opened 15 days ago by elskater98 III Product Backlog 3						
<input type="checkbox"/>	Prepare Raspberry Pi Environment learning						
	#2 opened 15 days ago by elskater98 III Product Backlog 3						
<input type="checkbox"/>	Prepare Arduino Environment learning						
	#1 opened 15 days ago by elskater98 III Done 3 ○ 3 tasks done						

SPRINT BACKLOG

↳ Sprint: Oct 28 - Nov 12

Start Oct 28, 2021 Due by Nov 12, 2021 Duration: 16 days

(47) / 55

Story Points

Completed	Remaining	Total
47	8	55

85%

Issues and pull requests

Completed	Remaining	Total
11	1	12

92%

Remaining issues and pull requests

Story points

- ⌚ Data Producer 2 development enhancement
wind_turbine_generator #13 added 7 days ago ●●● In progress

(8)

Completed issues and pull requests

Story points

- ✓ Prepare Arduino Environment learning
wind_turbine_generator #1 added 15 days ago ●●● Closed
- ✓ Read documentation LCD Screen/Display learning
wind_turbine_generator #4 added 7 days ago ●●● Closed
- ✓ Read Documentation I2C Protocol learning
wind_turbine_generator #5 added 7 days ago ●●● Closed
- ✓ Test Data Producer 1 testing
wind_turbine_generator #10 added 0 days ago ●●● Closed
- ✓ Data Producer 1 development enhancement
wind_turbine_generator #12 added 7 days ago ●●● Closed
- ✓ Sprint Documentation documentation
wind_turbine_generator #18 added 7 days ago ●●● Closed
- ✓ Revise Material good first issue
wind_turbine_generator #20 added 7 days ago ●●● Closed
- ✓ Read Documentation DHT11 learning
wind_turbine_generator #21 added 7 days ago ●●● Closed
- ✓ Read Documentation ESP-01 learning
wind_turbine_generator #22 added 7 days ago ●●● Closed
- ✓ First Contact with electronic components learning
wind_turbine_generator #23 added 7 days ago ●●● Closed
- ✓ Read Documentation Accelerometer ADXL345 learning
wind_turbine_generator #24 added 7 days ago ●●● Closed

(3)

(2)

(2)

(5)

(8)

(8)

(2)

(3)

(3)

(8)

(3)

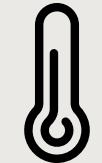
A photograph of a wind turbine with three blades, set against a backdrop of trees and a cloudy sky. The image is partially visible on the left side of the slide.

SPRINT DEFINITION

User Stories & Sprint Goal

Temperature

As user I will obtain the temperature of the Wind Turbine Generator.



Humidity

As user I would like to know the Wind Turbine Generator movement.



Sprint Goal

Develop Data Producer 1 & Data Producer 2



SPRINT REVIEW & RETROSPECTIVE

Review

1. The team has worked on every learning task.
2. **High sprint goal** for the first sprint.

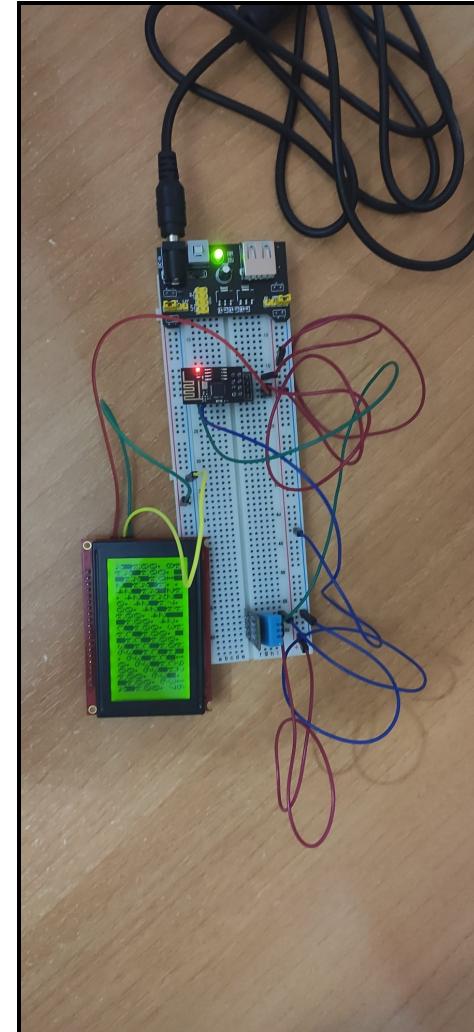
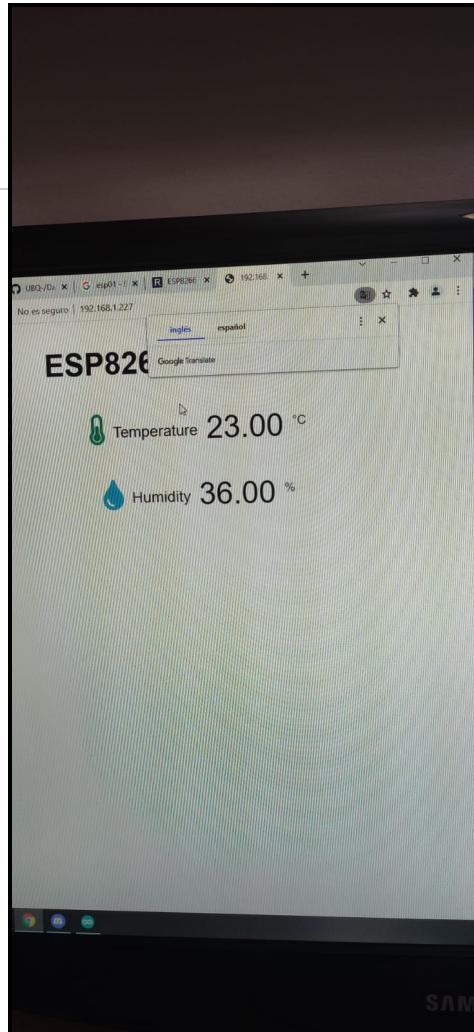
Retrospective

- Team support on each development task; Team spirit; Working version of one project module;
- Managing **coding problems**; **Estimation points** assignment;

DATA PRODUCER 1

Material

1. ESP-01 (3.3 V)
2. Protoboard
3. LCD Screen (5V)
4. DHT11 (3.3 V)
5. VCC Protoboard Adapter (3.3V, 5V)
6. ESP Programmer Module (**Driver required**)
7. Wires



NEXT SPRINT

Remaining issues and pull requests	Story points
● Read Documentation MCP23017 learning wind_turbine_generator #7 added 0 days ago  Sprint Backlog	3
● Test MQTT Broker testing wind_turbine_generator #9 added 0 days ago  Sprint Backlog	5
● Test Data Producer 2 testing wind_turbine_generator #11 added 0 days ago  Sprint Backlog	5
● Data Producer 2 development enhancement wind_turbine_generator #13 added 0 days ago  In progress	8
● MQTT Broker Development enhancement wind_turbine_generator #17 added 0 days ago  Sprint Backlog	8
● Read Documentation about NodeMCU module learning wind_turbine_generator #19 added 0 days ago  Sprint Backlog	3
● Documentation Sprint 2 wind_turbine_generator #25 added 0 days ago  Sprint Backlog	3