

Laboratorio IoT

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Assignment 1: Home Monitoring

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CORE:

Develop a monitoring system for your house that includes at least: temperature, humidity, light level, wifi power, tilt detection etc. Stores all these quantities in a database. Alerting events should be detected, such as: high temperature, high level or low level of lights, low wifi power, tilt etc. Use a colored led or buzzer to spot alerting events and buttons to enable and disable sensors or alert events. Use the display to show status of the monitoring system.

ADD-ONS

Set up a remote control of the monitoring system (start, stop, etc.) through a web page. All the sensed values and alerting events must be logged into a database (MySQL or InfluxDB).

INGREDIENTS:

- Micro of your choice
- Sensor or actuators of your choice.

EXPECTED DELIVERABLES:

- Github code
- Powerpoint presentation of 5 mins