Project charter

Project title:

„Particular Matter Sensor“

Start: 04.04.19

End: 28.06.19

Organizers: Thomas Atzlesberger

Customer: Prof David Klewein

Project description:

The goal is to make a webpage that can analyze data from a raspberry pi with the help from a particular matter sensor. So how it should work is, that first the sensor sends data over the raspberry pi to a webserver. The webserver than analyzes the date sends it to the webpage, where the user can check the data. The user can look at the data in different ways:

1. He can check the raw data shown in time periods (Over the last year, over the last month and the last day)
2. The user can also look at analyzed data, that shows him if the data is ok or the measurements are too high (green = ok, orange = a little bit too much, red = too high)
3. The data gets uploaded every day at a certain timestamp.
4. Also, the user can read information about particular matter on the webpage.

Goals:

The webpage should be able to receive data from the raspberry pie and show it to us raw and analyzed.

Needed resources:

* A raspberry pie set
* Fine dust sensor
* Web server
* Python script which reads the data from the sensor