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**Abstract**

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**Keywords**: Praesent, commodo, id, nibh, nec, lobortis.

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# Abkürzungsverzeichnis

# 1. Einleitung

# 2. Methode

## 2.1 Aufbau der Module

### 2.1.1 SDS011 Feinstaubmessmodule mit NodeMCU ESP8266 Mikrocontroller

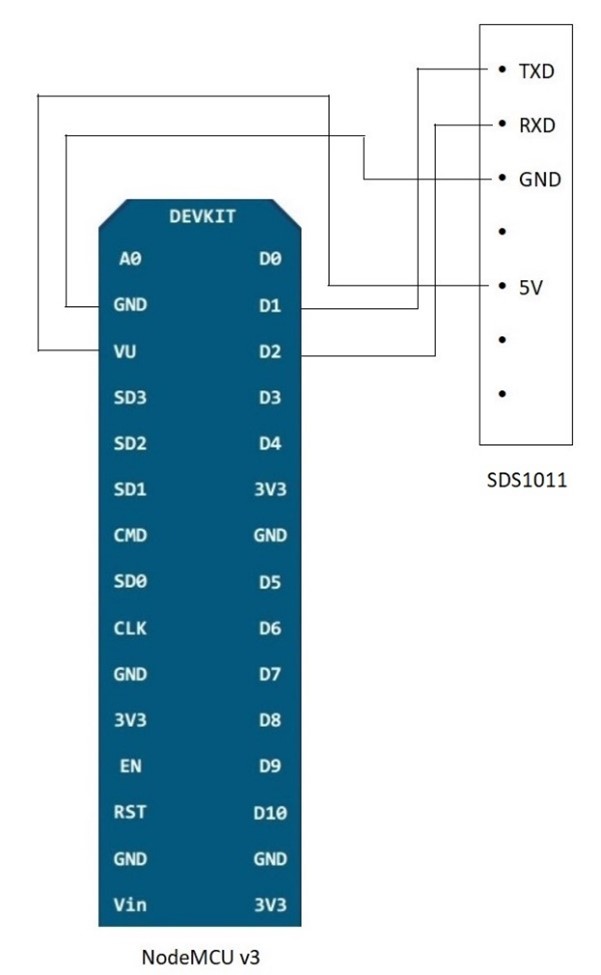
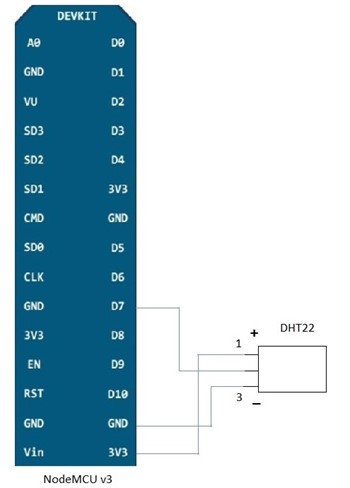


Abbildung 1. PIN-Einstellungen der Verknüpfung von NodeMCU ESP8266 mit SDS011 & DHT22

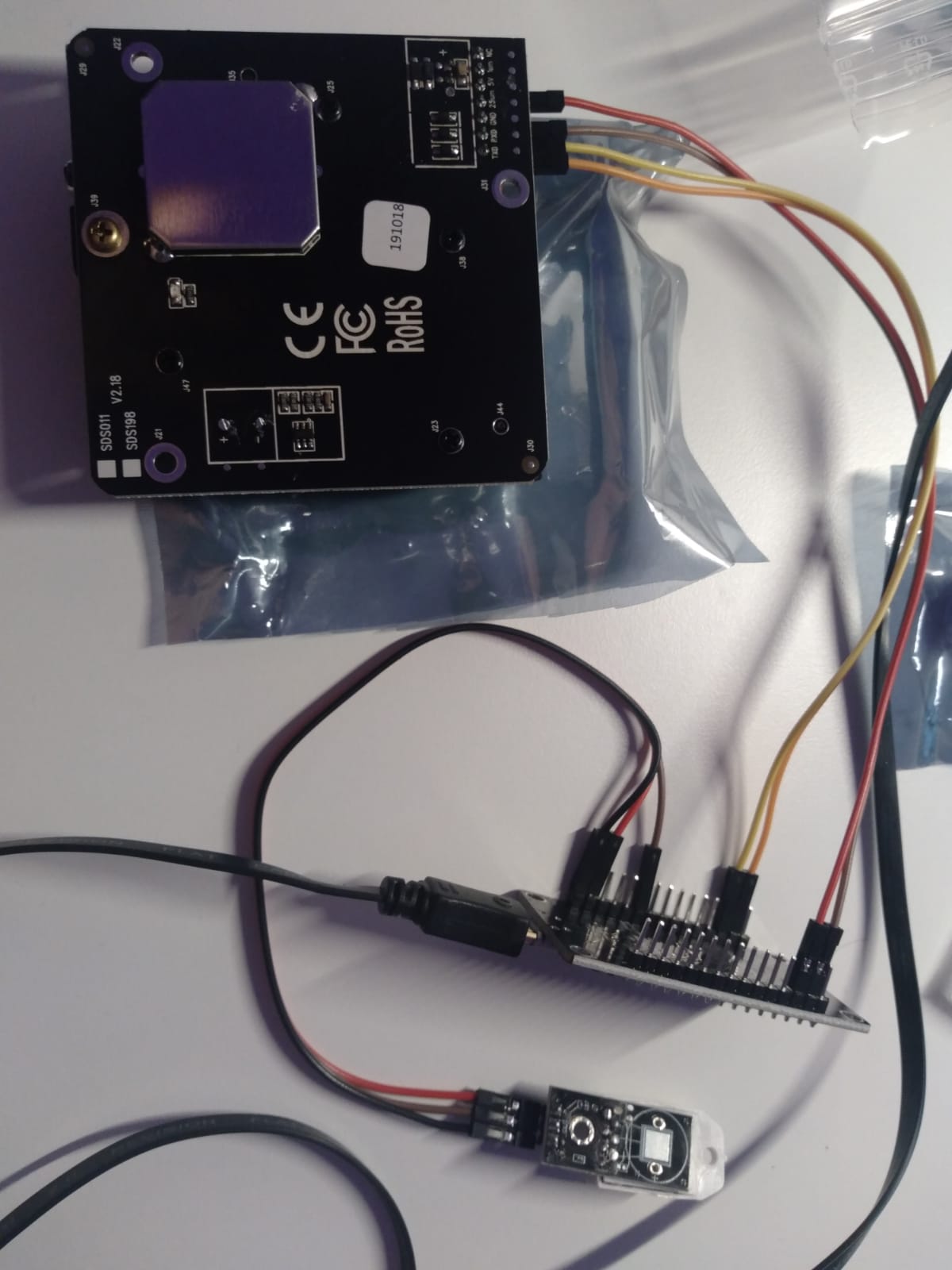
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Abbildung 2. Gesamter Aufbau des Geräts

Nach Anweisung von [1],

### 2.1.2 Tinkerforge PM Bricklet Module

Require Master Brick, PM Bricklet

# 3. Ergebnis

## 3.1 SDS011 Module

## 3.2 Tinkerforge Particulate Matter Bricket Module

Require more in-depth coding to access the datas. Even with the Wifi-master extension on Master Brick is it also not easy to pass the data but require python code to write on csv files. All are manually done and difficult to maintain since high coding skills are necessary. (API handling with PHP, save datas in databank with mysql or js to json files, python to csv files, …).

# IV List of references

# Declaration of originality

We hereby declare that this term paper and the work reported herein was composed by and originated entirely from us. Information derived from published and unpublished work of other has been acknowledged in the text and references are given in the list of references.

09.05.2020

Date Signature