Temperature- and humidity-sensor project

Gruppe 1

2022

Innholdsfortegnelse

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# 1 - The intention with your application

We have made an application that measures and records the temperature and humidity in a room throughout the day via a temperature- and humidity-sensor. There are many different benefits to monitoring your indoor environmental conditions with an application such as this. One of the most important reasons to use a sensor like this is to make sure that you are maintaining a healthy indoor air quality in the various rooms in your house, such as your living room, bedroom, and bathroom. Because if you don’t, you may risk affecting your, and others’, health.

As previously stated, poor indoor air quality can bring some unfortunate consequences. Mould in the house can cause sickness like a stuffy nose, sore throat, coughing, burning eyes and rashes on your skin. If you are allergic to mould, depending on the severity of the allergy, can lead to very serious reactions, and hospital visits. It has also been documented that the proper temperature and humidity has direct impact on the quality of your sleep.

If you have been having trouble getting a good night’s sleep, it might be worth taking into consideration the temperature and humidity in your bedroom during the night. Depending on where your bedroom windows are located, and the climate your country experiences, you might be having some humidity and temperature swings during the night that can negatively influence your sleep. Research shows that the ideal temperature for a bedroom is around 14-18 degrees Celsius. The proper humidity in a bedroom fluctuates depending on the season but should be around 50% in the winter and a little higher in the summer, but not above 60%. Using our temperature and humidity sensor could assist greatly in making sure your sleep conditions are optimal so that you wake up rested and can live a healthy and happy life.

These are just a few examples of the importance of our project and what problems in our every-day lives it can help to solve.

# 2 - The protocols and methods you use

# 3 - Your approach, the architecture, the choices you have made

# 4 - The excellent features you have implemented

# 5 - The result

# 6 – Discussion