

## SensorPoint – Build a platform to visualize and interpret IoT data

2-LINER Description: Design and develop a platform to collect/visualize/interpret real-time sensor data such as temperature, humidity, ... using Amazon IoT and/or Google Cloud IoT Core

[Description of the assignment]

- Sensors are already implemented in our physical world to check up on many parameters (such as temperature, pressure, sound volume, humidity, ...)
- This bridges the physical world and the internet.
- By the manyfold of sensors and the measuring of many parameters there is a large quantity of data produced that can be interpreted so that correct decisions can be made.
- Your assignment will be the building of a descent infrastructure to capture, visualize and interpret data using a cloud environment such as Amazon IoT and/or Google Cloud IoT Core
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[Goals]

- Functional analysis
- Technical implementation
  - Develop certain IoT sensors
  - Implement the platform using either Amazon IoT and/or Google Cloud IoT Core

[What will you gain]

- You'll gain experience in managing large quantities of data
- You'll explore certain public cloud providers such as Amazon and Google Cloud
- You'll learn to combine IoT with a cloud environment

[What do you need?]

- IoT, sensor, Raspberry Pi are terms you're familiar with

[Location of your assignment]

- Veldkant 33B, 2550 Kontich

[Mentor]

- Johan Siebens – Business unit manager OnTheSpot

[Technologies you'll be using]

- Raspberry Pi
- Arduino
- Python
- Google Cloud IoT Core
- Amazon IoT