**Satakunta University of Applied Sciences**

Training Brochure

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**Holistic view to IOT**

Title:

The fascinating term IOT explained

Description:

What is IOT, how it works and what can be achieved with it. This training will open up what IOT is in general. We will study sensors, simple / homemade IOT gadget, complex industrial IOT gadgets, data analysis and monitoring and finally optimization according to the data.

Training will have the simplest setup of an IOT device as an example and explains how it reads and communicates data but also how the external system will interpret that data and what possibilities lie there.

So, time to practice! Enroll now!

Training dates:

18.1., 21.1 and 22.1.2021

Duration:

Online webinars/workshop ([link to HILL](https://hill.webex.com/meet/peter.virtanen)) at:

1 pm – 3 pm (CET)

Location:

Online

Price:

Free

Software used:

HILL Webex

Learning objectives:

IoT or Internet of things is quite wide term, and more and more devices fall under that category. In this course you will develop good understanding what are the crucial parts in IoT and what makes an IoT device really an IoT device.

Learning outcomes of this training

1. Learn how the IoT and devices in that ecosystem work and communicate
2. Understand how to communicate with APIs
3. How to use data

Structure of the training

1. Basics
2. Case study
3. Innovating
4. Data
5. Cloud service / API
6. Data analysis
7. Optimization and action according to data
8. Self-learning case 5G or IIoT

Who should enroll:

Teachers and educators who would like to learn what IoT really is, not just the shell.

Why choose this trainings:

IoT is here to stay. It is time to understand the term deeper and start to innovate the future implementations, especially now when 5G is soon becoming a standard connection.

Skills and knowledge gained:

Ability to design and ideate an IoT device ecosystem.

Lecturer:

Peter Virtanen, Full-time lecturer and entrepreneur, Satakunta University of Applied Sciences.

Certificate:

Participants in the Holistic view to IoT training will receive a Talentjourney certificate with the trainer's signature.

Reflect, learn and internalize:

Through case study, innovating and self-learning.

Learn from the best:

Peter Virtanen is a long time propeller head and tech nerd. Peters is specialized on UX and UI, accessibility, Welfare technology and web programming.

LinkedIn: <https://www.linkedin.com/in/peter-virtanen-99794b28/>

Networking:

Participants will be encouraged to interact and collaborate with different stakeholders, and when possible, in cross-disciplinary teams.