

Vak: Internet of Things Fundamentals

credits: 5

Vakcode ELVH20AIOT
Naam Internet of Things Fundamentals
Studiejaar 2023-2024
ECTS credits 5
Taal Engels
Coördinator P.J. Kamphuis

Werkvormen Onderwijs
Toetsen Internet of Things Fundamentals - Opdracht

Leeruitkomsten

The student:

- has an overview of an Internet of Things (IoT) architecture;
- can state in which cases an IoT system can be implemented;
- can describe the different components of an IoT system;
- can use the components of an IoT system;
- has a thorough understanding of standard protocols used in Internet of Things (IoT) Core system;
- can choose and setup the different components of an IoT Core system.

Inhoud

In this course the basics of an IoT system will be addressed:

- Introduction of a Microsoft IoT system Architecture
- Example of an IoT system based on Microsoft (Edge computer, IoT hub, streams, database, AI)
- IAAS, PAAS and SAAS
- Using Microsoft IoT system SDK
- Storing data in no-SQL databases
- Realise software for IoT Edge computer and IoT hub

Opgenomen in opleiding(en)

Elektrotechniek Major Sensor Technology

School(s)

Instituut voor Engineering

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