Course introductions

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Introduction to IoT & Cloud
5 ECTS
Level: beginner
Teaching and materials:
English

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The Internet of Things has become a global phenomenon. It is predicted that 30- 50 billion of things will be connected to the Internet by 2020.

The Course Internet of Things and Cloud covers the basic concepts and terminologies of IoT & cloud system. It explains what IoT is and the technologies enabling IoT. It further expands on the ecosystem, several use cases and applications of IoT.

The course is designed for the beginners that includes an introduction to the IoT & Cloud Systems. It includes an introduction to Raspberry Pi Hardware and a simple lab exercise to get the practical insights of IoT.

The learning outcomes:
- Understand the basic concepts of IoT & Cloud Computing
- Learn technologies enabling IoT& IoT ecosystem.
- Cloud Services: PaaS, SaaS & IaaS & Cloud Deployment Model
- IoT use cases and applications
- An introduction to Raspberry Pi hardware & a simple hands on lab.