Course introduction:

Python Basics for IoT
5 ECTS
Level: beginner
Teaching and materials:
English

Python has become one of the major programming languages in recent times. Internet of Things is connecting millions of devices and is revolutionizing the way devices interact with each other.

The course Python Basics for IoT will explore the tools in Python ecosystem to build IoT applications. It explains the Python Setup process and basics of Python programming to be able to program on the Raspberry Pi.

The focus of the course is mainly on Python as you learn to install and set up Python as well as undestand its operators, datatypes, variables and functions. Also understanding Standard Python Libraries, reading and writing files will become familiar during course.

The learning outcomes:
•	Learn the basic concepts of Python for IoT
•	Install and set up Python
•	Understand operators, datatypes, variables & functions in Python.
•	Learn Standard Python Libraries, reading and writing to files, exception handling and modules