

COURSE DETAIL

INTRODUCTION TO INTERNET OF THINGS

Country

Singapore

Host Institution

National University of Singapore

Program(s)

National University of Singapore

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Computer Science

UCEAP Course Number

137

UCEAP Course Suffix**UCEAP Official Title**

INTRODUCTION TO INTERNET OF THINGS

UCEAP Transcript Title

INTERNET OF THINGS

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

The Internet of Things (IoT), where a large number of physical objects embedded with computing power and sensors connect to the network for seamless cooperation between the cyber domain and the physical world, is revolutionizing our lives. This course serves as an introduction to the IoT and provide a holistic view of the entire spectrum of the IoT system architecture from the devices to the fog and the cloud computing. The focus is on designing IoT systems that balance both the functional and non-functional (communication bandwidth, security, safety, power) requirements.

Language(s) of Instruction

English

Host Institution Course Number

CS3237

Host Institution Course Title

INTRODUCTION TO INTERNET OF THINGS

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Computer Science

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