**Assignment IoT 1**

1. **Who coined the term Internet of Things?**

The term internet of things was coined by Kevin Ashton of Procter & Gamble in 1999.

1. **What is the fundamental prerequisite for IoT?**

A prerequisite for IoT is to have a physical device with IP address and internet connection.

1. **What is an IP-address?**

IP (internet protocol) address is a unique address that identifies a device on the internet or local network. With help of IP address, the internet can differentiate between different computers, routers or websites.

1. **What kinds of IP-addresses exist?**

The 2 types of IP addresses consumers have:

* private IP addresses
* public IP addresses

The 2 types of public IP addresses

* dynamic IP addresses
* static IP addresses

The 2 types of website IP addresses:

* shared IP addresses
* dedicated IP addresses

Versions of IP addresses:

* IPv4, which stand for internet protocol version 4
* IPv6, which stands for internet protocol version 6

1. **Why are IP-addresses interesting in IoT?**

IP addresses allow all IoT devices to interact with one another. IP addresses are interesting for IoT due to security reasons.

1. **Name at least 5 devices that would be IoT devices?**

Smart watches like Apple watch, smart lock door, smart security system, medical sensors, smart speakers like Amazon Alexa or Google Home, autonomous farming equipment, connected appliances, self-driving cars like Tesla.

1. **What were the IoT applications in 2011?**

Couldn’t find information

1. **In 2011 we called some application ‘future applications’ which were they?**

Couldn’t find information

1. **Which ones of the 2011 future applications are a reality today?**

Couldn’t find information

1. **Do you use IoT today? How?**

Not that much in my daily life. However, I have used my smart phone to change channels on smart TV, as well as used a car service that allows me to unlock the car with my smart phone.

1. **In the introductory Edureka video, she talks about sensors reacting to physical occurrences in their surroundings. What programming concept that we worked with, is capable of doing just that?**

Unfortunately, don’t know the answer.