



The Internet of Things

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Pera Young

Ages 13-17

Pera Learning offered a technological information workshop entitled “The Internet of Things” in collaboration with Microsoft.

IoT involves the objects around us being online, communicating with each other. It is the first step towards a world where objects live with us, like the coffee machine sensing you have woken up and preparing your cup of coffee, the air conditioner turning on as you approach home or your pen transmitting the notes you have taken to your mobile phone.

Of course, IoT may be beneficial not only for humans and objects, but for all living creatures. Plants can be watered at the right amount at the right time, the health of animals can be monitored, and you can always know where your pet is...

Newly developed technologies may become difficult to understand, even inaccessible, when there are no limits to concepts and technologies available. This workshop introduced you to the world of IoT, and showed you ways to create smart objects using a variety of software.

The workshop gave you the basics about how to begin an IoT project that occurred to you. Using modern technologies, you found answers to questions such as which technologies to use, where to find the necessary parts, and how to create your first prototype. Using our sample sensor, we took measurements to collect and shared information regarding weather conditions, UV values, light intensity at various points and how you took the pulse of animals. Our aim here was not to write code but to understand how systems function.