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Getting started with Internet of Things

Sun, 01/10/2017 - 12:35 -- ADEL KASSAH

Type of tool:

Activity

Duration:

60-90 min

Topics addressed:

Digital

Entrepreneurship

Personal development

Internet of things is a new trend in technology that will be soon part of our daily life. One day, we will have to teach it at school. The tool is designed to teach the concept to any one regardless of their background in an entrepreneurial way.

Aim:

Learning to make an Internet of things project in an easy way without any prior knowledge in programming.

Methodology:

Learn by doing

Step by step process:

- Presentation of the concept of Internet of things
- Demo of different IOT project involving sensors network, Android app and web services.
- Demo of programming the NODEMCU board with the online tool TUNIOT FOR ESP8266.
- Presentation of how to implement the tool in workshops.
- The audience will be divided into different groups and make a brainstorming about solutions from their field that integrate IOT
- Presentation of the ideas and discussion.

Materials and resources:

For a demo in the tool fair, I will bring:

- A computer
- different type of sensors and motors
- Android phone
- NODEMCU boards

Outcomes:

Innovative ideas from different fields to solve community problems.

Notes for further use:

The tool could be presented in 1 hour and half but to be fully implemented it needs 3 to 5 days workshop.

Rating:

No votes yet

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