Get A Head Start To Ride The Biggest Wave Internet of Things (IoT)

Now build your IOT Device with three Simple Steps:

1. CONNECT: Connect anything OR everything. Any type of device: Sensors, Gateways (Arduino, Raspberry Pi. Beagle Bone Black, Intel Gallileo etc) works Great.

2. CREATE: Create your favourite Hardware IOT enable with GeeksLAB Cloud in a matter of minutes. Create, Deploy, interact, enable or disable your devices from GeeksLAB. Check status and manage configurations and firmware remotely. Extend its properties and manage security.

3. CONTROL: Control or manage Data remotely from mobile, tablet and desktop. Control remotely... create alert, alarm or notification for unfavourable conditions

About Internet of Things

"If you think that the internet has changed your life, think again. The IoT is about to change it all over again!" - — Brendan O'Brien, Aria systems

Internet of Things is the network of physical things embedded with electronics, software, sensors and network connectivity which enables these objects to collect data and exchange data.

This Network of networks extracts and makes sense of data within machines. An estimated of 50 Billion wireless devices are to be connected to the internet in future. Interesting! Isn't it?

The Internet of Things (IoT) is about devices and services delivering **end-to-end solutions**. Although the IoT market is made up of many vertical segments, most applications that can make use of Internet connected devices have a common foundation. For example - **smart cities, basic wearables and smart home devices** require basic OS functionality like drivers, device security and provisioning support. In addition, network connectivity varies from application to application, in general however, the IP networking, security, application layer and device management needs are all common.

Today we want to monitor various sensor data, appliances and machines over the internet as well as control them remotely over the internet. IoT is an important technology to build products of future as well as for a necessary skill

in the job market.

Workshop Theme:

The Internet of Things (IoT) has spread into most of the businesses in the modern world. It has become an integral and inevitable part of our daily lives. This technique will improve public safety, intelligent tracking in transportation, industrial wireless automation, Machine to Machine communication and personal health monitoring in healthcare with better information and faster communications.

Improving efficiencies, enabling innovation and fueling transformation are the cornerstones of the digital business. This workshop will induce lateral dimensions in various research avenues in communication, automation, smart sensor, Networking and Internet Protocol (IP).

We have brought to you this workshop that will teach you to build prototypes, projects and products of IoT.

About workshop:

How beautiful it is when a fire sensor that automatically send an E-Mail to the fire department.

Keeping all the awesomeness in mind **Geekslab Technologies has introduced the Internet of things workshop to get you ready for the future**.

Participant will discover **fundamental concepts of IoT, sensor reading and connecting the Arduino** to the Internet, wireless interfaces and controlling things. You'll also learn to use the most popular open platforms for managing sensor data from the Arduino, how to trigger actuators remotely, and how to read information on your Android Smart Phones.

Moreover participants will learn uses of various sensors, **diff kind of open source hardware and softwares, interfacing web application and uses in IOT, cloud integration of any IOT Device, Grabbing data, sending bidirectional commands** etc. We'll also cover **routing protocols**(MQTT etc.) and their implementation which is used by different nodes to connect each other for lossy and low powered connection over IEEE 802.15.4 wifi network.

Benefits:

- Training Material (E-Book and softwares)
- Complimentary Hardware Tool-Kit (consisting of Arduino board, Wi-Fi module, Relay board, Temp/Light Sensor etc.) to each group of five participants.
- E-mail and advance projects support after workshop
- Industrial projects guidance by the experts of the domain

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