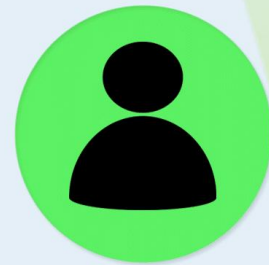




Internet of



THINGS



Qassim University
College of Computer
ACM-W Chapter Team
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Difference between IOT and WOT

Internet Of Things

IOT

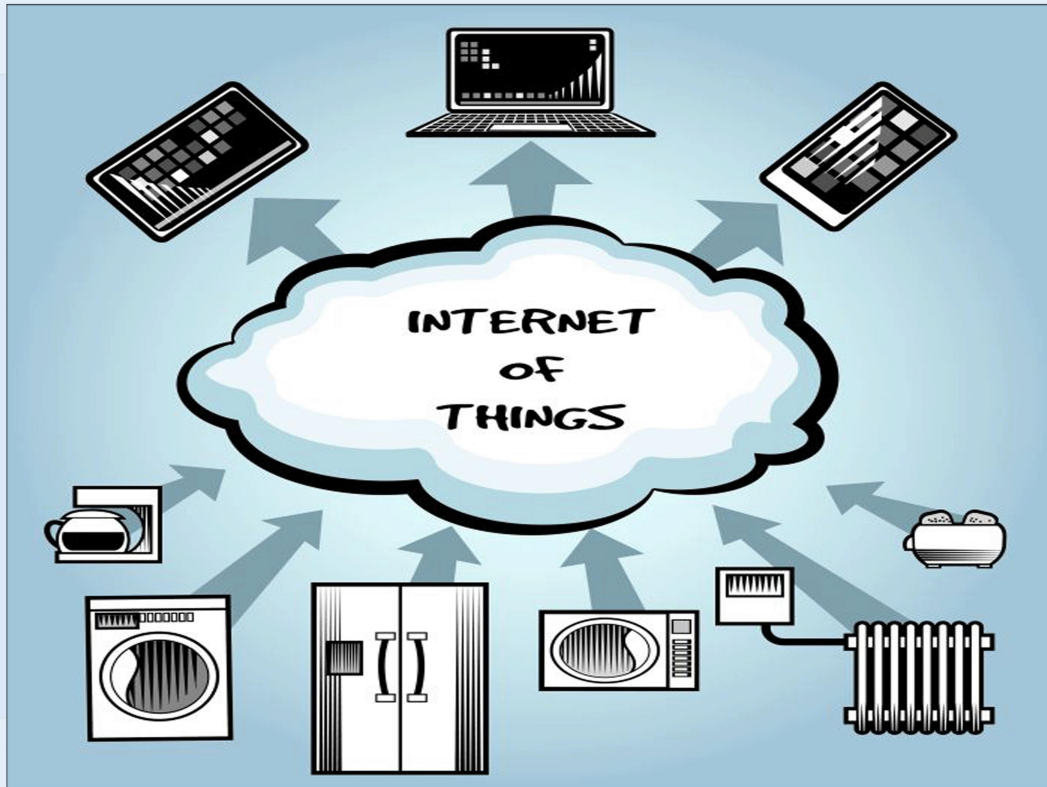
The network of physical OBJECTS or things , connecting them to the Internet and connectivity to enable OBJECTS to exchange data such as a smart HOME or office; or a wide area network to enable cloud services.

Web Of Things

WOT

Started from the Internet of things, the purpose of the Web is to standardize the use of Web technologies to facilitate building applications and services on the Internet in the Internet of Things.

Disadvantages of IOT



Complexity: With all complexity in IOT systems, there are more opportunities of failure. For example: you get a message from your printer said that the ink is empty also this message goes to your sister (for example) and you both buy this ink but you need a single one so that's a problem .

Privacy/Security: Data being transmitted so the risk of losing privacy is high .

Safety: Any information is prone to attack by hackers. It would be very disastrous if private and confidential information is accessed by unauthorized intruders .

Compatibility: Currently, there is no international standard of compatibility for the tagging and monitoring equipment .

Security in Internet of Things

Today, security is the most important thing in technologies. The devices will be connected to the network, so the probability for breakthroughs or hacking these devices will be possible.

Breakthroughs and threats may occur due to hardware systems are not safe or the companies that make the devices more secure are so expensive.

The security in the internet of things (IOT) must be addressed throughout the device lifecycle, from the initial design to the final by secure booting, access control, device authentication, firewalling and updates and patches.

Finally, security in both the device and network levels is critical to the operation of IOT. Therefore, the same intelligence that enables devices to perform their tasks must also enable them to protect against threats.



IOT Applications

WEMO is a simple way to control your home electronics and appliances from your mobile

WEMO is application on ios and android devices. It connected with switches that can plug it anything into. .

If you plug any electronics in it, you can control it with the WEMO switch. You can turn things on and off even put them in schedule, so you can save time. And you can control your electronics from anywhere.



Disadvantages of WeMo

- 1 It only works over WIFI or 3G.
- 2 Works just with WeMo switches.
- 3 App don't tell if the switches are connected or drop.
- 4 WeMo is little bit complex .

To Download WEMO on your Device

ios



android



Website



URL :<http://www.wemo.com>

To buy WeMo products

URL

<http://www.belkin.com/us/Products/home-automation/c/wemo-home-automation>



Members Profiles

In each issue we choose two members to talk about themselves, to describe their personalities, tell us about their dreams, plans, and ambitions.



Anwar Alshoumer

8th Level of IT, College of Computer
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I was born on 1992 Oct 13. I was raised with my family who primarily concerned with the education, so I did very well in school. After that the time has come for me to go to college. It was totally different from school. I could not adjust myself to it, so my results were bad. I failed one of my classes in Preparatory Year Program (pyp). At that time, I was depressed and hated everything about the university. So because of my low JPA I went directly to Computer college. After the first semester at the college, I felt like I finally know what I want to do. As someone once said, sometimes the bad things that happen in our lives put us directly on the path to the best things that will ever happen to us.



Aisha Alnoشان

7th Level of IT, College of Computer
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Nothing, only a simple girl , love work, and hate routine. In the beginning, I joined to the faculty of computer, for nothing, but because others around me see my love to him, at that time I did not know myself, what do I want, what mastered, what I love?. Day by day, I found myself here, levels that only 4 increasing love of knowledge and access. I realized after university study, is not enough to gain the experience and learning. After registration started for this chapter, I decided to join it, want to break the routine and adding new scientific. One year after I joined, what I regretted a moment on this accession, gave me many things, and new skills. My wish is to be an active member of the community, technical in particular. At the end: no one completely, but I wish I was not in a bad memory day in the life of one of them, as I wish to be something happy, useful, helped them albeit little. Finally, The past does not equal the present, also does not mean the future, Do not pay attention to the past, every new day is a new beginning, a new terminal to learn, do not waste it.



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