

Home Automation and Internet of Things (Iot)

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Home automation or smart homes is described as a technology which is used within the home environment to provide comfort, security, convenience, and energy efficiency to its user or occupants. For many years Home Automation is mainly used as a feature of science fiction writing, but it's become practical since the early of the 20th Century that is because of the introduction of electricity and rapid improvement in information technology. By inclusion of the Internet of Things (IoT), the research and development of home automation are going to become more and more popular. Different wireless technologies that support remote data transfer, control and sensing such as RFID, Wi-Fi, Bluetooth, and also cellular networks have been evolved to add intelligence at various levels in the home. Internet of Things (IoT) is nothing but physical items talking to each other, machine-to-machine communications and person-to-computer communications will be extended to 'things'. Extension of the current Internet which provides communication, connection and inter-networking in between the devices and physical objects are also known as Things, is a growing trend that is often called as the Internet of Things. The Internet of Things (IoT) also referred as the Internet of Objects, is going to change everything which also includes us. IoT is the next evolution or generation of the Internet, it's like taking a huge leap in its ability to collect, analyze, and distribute data which ultimately we can turn into information then knowledge and finally into wisdom. The Internet of Things (IoT) is nothing but connecting everyday objects like Internet TVs, smart phones, sensors and/or actuators to the Internet where this devices linked together intelligently which enables new forms of communication between people and things, and between things themselves. Now anyone can have connectivity with anything for anytime and anyplace and it is possible to create these connections which extend and possibly create an advanced dynamic network. Modern advances in electronics and communications Technologies have lead to the miniaturization and improvement of the performance of computers, sensors and networking. These changes have given rise to the development of several home automation technologies and systems. Home automation can be useful to those who need to Access home appliances while away from their home and can incredibly improve the lives of the disabled. So, IoT with Home Automation is considered as the "NEXT BIG THING" of the tech world.

References:

<http://www.essay.uk.com/essays/information-technology/essay-internet-of-things-iot-and-home-automation/>