**Learning at Third Level**

**Assignment 1**

Title: Internet of Things

Name: Jack Carroll

T Number: T00194823

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**Introduction**

In today’s world, usage of the Internet is rapidly increasing thanks to the increased presence of numerous sensors and software installed into numerous technological products, i.e. smartphones. These items are constructed on a series of sensors which collects data to interpret it and to transfer data emerging from sensors to “machines on the ground” in order for the devices to instantly connect to the “thing” (Household appliances, vehicles). This process is forming part of the revolutionary project that is known as the Internet of Things (IOT) (Burrus, 2014).

According to Kevin Ashton (British technology developer), the IOT is defined as a means of identifying different characteristics of the “real world” including temperature and lighting by various gadgets. It allows extra statistics to be created and “consumed” by mechanisms where the standards of life can be enhanced by machine to machine communication through the use of different appliances. (Ashton , 2009 cited in Duncan, 2014).

IOT originated from the works of Mark Weiser (Xerox PARC member) as the company wanted to discover what would occur when countless items had inexpensive “computing power” inserted into these devices which became recognised as “ubiquitous computing” (McEwen & Cassimally, 2013, p. 23).

The IOT is becoming more important for millions of families as “76% of adults” are connected to the Internet through a vast range of broadband subscriptions from providers which are reducing their prices for data constraints. Therefore, it will be easier for Wi-Fi connected households to use their online connections in order to communicate with the Internet-connected devices (laptops, tablets, smartphones) (McEwen & Cassimally, 2013, p. 15).

The author will focus on the advantages and disadvantages of the IOT since it is clear that the IOT will have a pivotal role in changing industries and homes forever. As well as that, life will be made more simple by the presence of IOT since its functions will carry out jobs for humans. However, the security and privacy of the world’s population cannot be ruled out as it is possible that devices could gain access into the personal lives of individuals.

**Usefulness of Internet of Things**

**Conclusion**

**Reference List**

**Bibliography**