

Internet of Things (IoT) and Libraries

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Abstract

Even though, IOT is still in its infancy stage, the IOT can be used to improved library services. Library specialists and designers also face advanced challenges, worries and opportunities for development in regard to the emergent technologies such as the IOT . Using Internet of Things and new technologies can improve libraries, both on collecting information and user services. The inter communication between objects in IOT technologies can make easier decision making and management process in libraries. According to the idea of smart building, libraries can be equipped by IOT devices. IOT will enable libraries to minimize loss and introduce safety techniques. Libraries will be able to add more value addition to their services. Librarians are those specialists that already familiar with this technology in their libraries owing to the user of RFID, which does the similar thing of interacting with machines, tags software, and updates library management system with entries of books issued to a user, but in IOT, only the difference is" it is the Internet interaction with a thing or object such as books.

Keywords : Internet of Things, Library Services

There have been rapid developments in information and communication technologies (ICTs) in the 21st century. These developments have impacted on human endeavors, operations and services of industries and institutions including libraries . Arguably, the advent of the internet is the most important and influential development in ICT. The internet now has a distinctive influence in various aspects of human life including relationships, interactions, manufacturing and services. Apart from providing a veritable platform for the effective and efficient promotion of workflow and services, the rapid growth of the internet globally lies in its ability to foster and shape human relationships and communication. In this regard, the advent of mobile devices and social media has made internet use a part of life for a good number of the world's population.

The availability of broadband internet connection, more devices with Wi-Fi capabilities, affordability at lower cost and proliferation of smart phones have also contributed to the growth of the internet. For libraries, the internet now makes it possible for electronic packaging and virtual acquisition of information resources, online reference services, electronic cataloguing, as well as online dissemination of required information resources among others.

Internet of Things (IOT) is a concept that has been described extensively since late 1990s Now people are interested to know more about smart homes, smart cities, smart universities, smart government, etc. The IOT is a giant network of connected things and people. The relationship will be between people-people, people- things and things things. According to Techopedia, the Internet of things is a new concept that describes a future where every day physical objects will be connected to the Internet and be able to identify themselves to other devices . As per Whatis, "The Internet of Things is a scenario in which objects, animals or people are given the Unique Identifiers and the ability to transfer data over a network without requiring no human interaction. Now, IOT changes all activities that have been done by human and machine hence it would be changed many aspects of the human's cycle life. IOT involves wireless techniques, micro electro mechanical systems and Internet. In simple, the IOT enables, natural or man made object communicate themselves by transferring data with or without human interventions. IOT is differently called as smart devices, ubiquitous or pervasive computing devices, machine to machine communication etc.

Technology

Internet of Things uses a set of technologies to connect to objects.

- First is identification- unique identification for every object and it should be connected with internet

