Smart Tracking Using Internet Of Everything (IOE)

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Abstract- *In this paper, we proposed smart sensing of people, data, process and thing. Nowadays we put the thing and forget where we kept the things. In many home things like gold, key, mobile phone (on silent) or sometimes we have to track the people so for all these we have to connect to each other. IOE is used to connect the things with people. In this paper we are going to proposed that how human begins used to track the item where they kept last time.*

Keywords- IOE, IOT, Smart sensing.

I. INTRODUCTION

Nowadays in home most of important things are kept thing in a busy lie they forget where they kept the important things like gold, key, Mobile phone (on silent), money, wallet, watch, etc. If we use CCTV camera then all the things are recorded which is not important. So by using hardware and some kind of software to track the object where we kept.

With use of hardware we have to register the item which we have to track. Then we track the item where it kept. If we have to track the human beings then for that human body we also have to register. This hardware only work in inside the home if the item and human is are out of home then this only tell that item should not in range and for human begins it should track where there exact location.

IOE is used to connect the all the item to hardware to and keeping the track of item. In IOE sensing of people, data, process and thing are used to connect each other. It is very beneficial to household lady and the person who have short memory.

It is also used to protect the personal thing to use by other. The hardware also have password only the authorized user can access the and see the track of the item not all member of home can see and the person have password can used to see.

We are using IOE not an IOT because in IOT we can only things, data, process but in IOE we can connect people .

II. LITERATURE REVIEW

1) IOT:INTERNET OF THING

Internet of Things definition: The vast network of devices connected to the Internet, including smart phones and tablets and almost anything with a sensor on it – cars, machines in production plants, jet engines, oil drills, wearable devices, and more. These "things" collect and exchange data.

IoT – and the machine-to-machine (M2M) technology behind it – are bringing a kind of "super visibility" to nearly every industry. Imagine utilities and telcos that can predict and prevent service outages, airlines that can remotely monitor and optimise plane performance, and healthcare organisations that can base treatment on real-time genome analysis. The business possibilities are endless.[1].

Figure 1. IOT[2]

2) IOE:INTERNET OF EVERYTHING

The Internet of everything brings together people, process, data and things to make networked connections more relevant and valuable than ever before-turning information into actions that create new capabilities, richer experiences, and unprecedented economic opportunity for businesses, individyals, and countries.[3]

Figure 2. IOE[4]

III. EXISTING SYSTEM

1) Smart Sensing: Chipless RFID Solutions for the Internet of Everything

The Internet of Everything (IoE), also called ambient intelligence, is the subject of intense worldwide research with the goal of interconnecting a large number of "things": intelligent sensors, tags, mobile phones-the list is virtually endless. These new smart objects and sensors will be able to produce information about their environment and share it with the Internet via wireless communication . Radio-frequency identification (RFID) technology can have a significant impact in this regard. It is a wireless data-capturing technique that utilizes RF energy for automatically extracting the identity of remotely placed objects. The RFID tag has the potential to replace the barcode because of its manifold benefits, including its long reading range (greater than 10 m) and non-line-of-sight reading capability

2) Smart tracking object using IOE

Smart Tracking object is used to track the object in home and also used to track the human beings with is member of home.

IOE is used to used to maintain the record of all the object which is register once at starting. Then the tracker is used to track the item in home. If the item move from one place to another place then we can track the object . If the item is hidden then also it can track. There is no need to attach any hardware in object only one hardware is required which is placed anywhere in home. And the important item is register in that hardware and the the tracking process is start.

IV. PROPOSED SYSTEM

1) SCOPE

In this paper, we proposed only how to track and connect the one item to other. And to check the exact position of object. In future this is it used for military purpose to track the terrorist and bombs and guns hidden by the terrorist.

It can also used in office and company to track and maintain the important document.

In future it can also used to protection for women safety. If women can go outside the home in night then there family member track and protect their women by using some kind of electronic current.

2) ARCHITECTURE

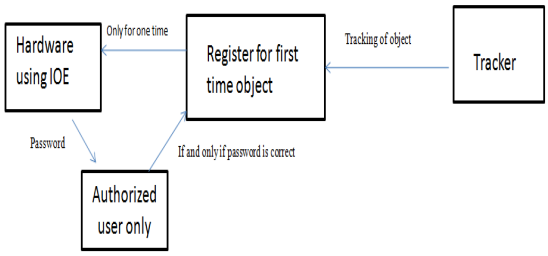

Figure 3. Architecture

3) New function.

We can also make some app to track the item but for this we have to connect the mobile also to other object.

The hardware is also connect to mobile phone which is easy to track the object even if the authorized person is not at home. He/she can also track the item from remote location. It is not used GPS to track the item it used IOE which is used to connect to everything which each other.

To register the human bodies it can use finger print of particular person or eye retina are used to register the human body.

At the time of registration the hardware store name fingerprint and age of human. It track where the human are moving from one place to another.

Figure 4. Huaman body tracking[5]

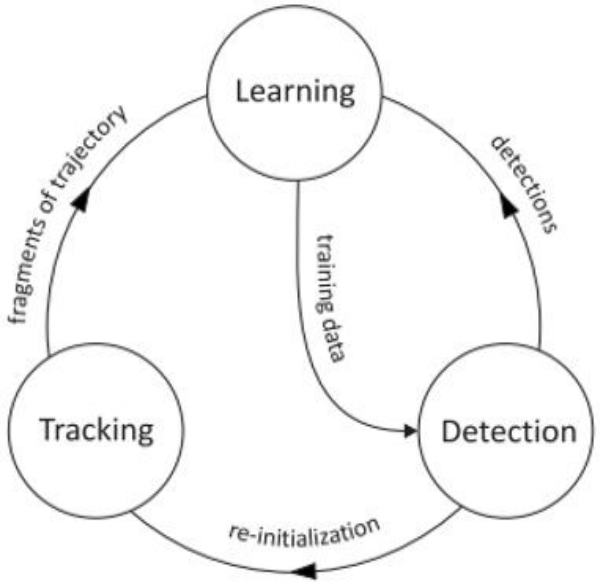

Figure 5. Tracking and detection[6]

Figure 6. IOE as tracking[7].

V. CONCLUSION

In this paper, we proposed how the item get track and search when we forget where we kept. Using IOE we should track the item and human begins.

REFERENCES

[1] https://www.sap.com/india/solution/internet-of-things.html

[2] https://www.pushtechnology.com/blog/tag/internet-of-things/

[3] https://newsroom.cisco.com/ioe

[4] https://www.slideshare.net/CiscoIBSG/internet-of-everything-collaboration-index

[5] http://www.prweb.com/releases/2015/12/prweb13106156.htm

[6] http://www.uestcrobot.net/en/?q=node/129

[7] https://www.pinterest.com/martarauch/internet-of-things-iot/