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Review Paper on IoT Needs in Human Life

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ABSTRACT

In thin era, IoT play a vital role on improving and comforting human life by developing many gadgets like mobiles ,laptops, airpods and other sensing devices . It reflects on our experiences of developing IoT compatible applications in a smart home, school, office building, university and airport, where the goal has been to engage a wide range of users to increase awareness, management and conservation of water and energy.

Keywords: **Growth, Artificial Intelligence (AI), Needs**

INTRODUCTION:-

The Internet of Things describes the network of physical objects "things" that are embedded in sensors, software, and other technology for the purpose of connecting and exchanging data with other devices and systems on the Internet. The purpose of IoT is not solved by simply connecting things to the internet. Things must be able to interact with the physical world. For interaction with the physical world, these things are provided sensors and actuators.

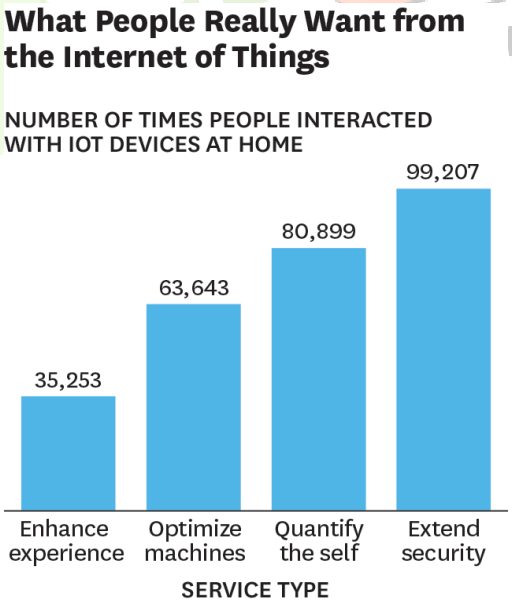


Figure 1

This fig 1 data shows that the most used IoT programs are the ones that make life at home easier, more distinctive, and more enjoyable. Respondents also show a strong preference for services that do not require them to do everything possible to make something work. Internet of Things users increasingly prefers more natural and less visible interfaces.

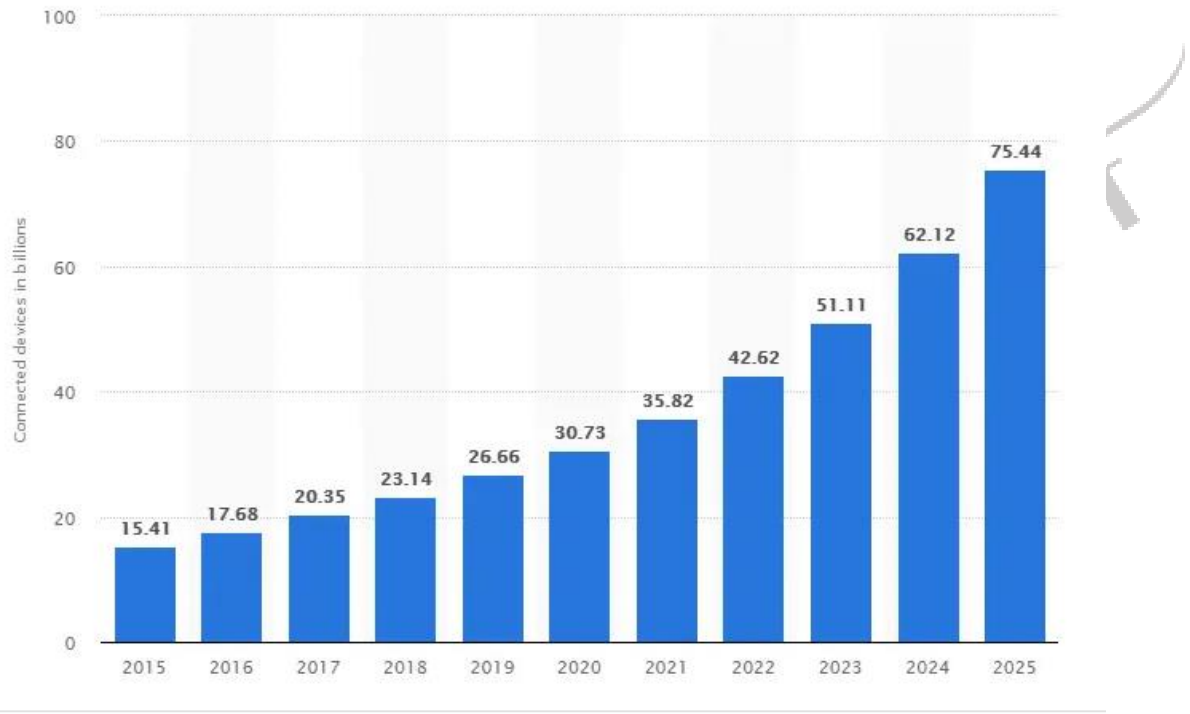
Smart environments can involve a wide range of end users with different interests and priorities, from business leaders looking to improve their business performance to school children who want to explore and learn more about the world around them. Creating an effective user experience in a smart environment, from smart buildings to smart cities, is an important success factor. In this, it reflects our experience of developing IoT-enabled applications in a smart home, school, office building, university and airport, where the goal has been to hire a wide range of users, from building managers to business travellers to increase awareness of water and energy management and conservation.

LITERATURE REVIEW

According to one estimate, by 2020, 50 billion of these devices should be deployed. Such a massive number of IoT devices will continually or periodically have the data they generate available on the internet. They represent an unprecedented opportunity to develop contextually intelligent applications with far-reaching societal implications. They can provide specific services in various areas such as health, fitness and wellness, manufacturing, transportation and logistics, disaster coordination, sustainability and environment, human development and social welfare. However, these smart apps and services could also pose privacy, security and trust issues and put a person's safety at risk.

From the simplest consumer applications such as smart homes and portable devices to complex industrial-grade solutions such as driverless forklifts, IoT is everywhere and is gradually changing the way consumers live, work and interact with their customers or clients with devices connected to the Internet.

According to a recent statistical report, there will be nearly 31 billion smart phones, wearable devices, smart watches, cars and other connected devices by the end of 2020. Currently, that number is around 23 billion worldwide. This shows how exponentially the IoT is growing.



Addressing the challenges of harnessing IoT and various related data to improve the human experience will require existing and new techniques from many IT sub-disciplines to come together, outside of domains targets. Focusing solely on IoT data, challenges include sensors for data acquisition, data storage and integration, information generation such as AI which include machine learning, natural language processing, the Semantic Web and reasoning, security, networking and energy management.

CONCLUSION

Through this journal we conclude that IoT dominate the world by immersing numerous number of IoT devices. It shows how drastically IoT can change the world and help human to experience their life better and make them feel secure. I hope that they will give raging to further such efforts around the world.

REFERENCE

https://justcreative.com/internet-of-things-explained/
https://www.engineersgarage.com/tech-articles/introduction-to-internet-of-things-iot-part-1/
https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=8259432
https://www.cognizant.com/whitepapers/the-internet-of-us-why-human-experience-is-vital-to-building-useful-iot-applications-codex3899.pdf
https://www.researchgate.net/publication/323620113_Internet_of_Things_Enhanced_User_Experience_for_Smart_Water_and_Energy_Management
https://corescholar.libraries.wright.edu/knoesis/1141/
https://hbr.org/2015/10/how-people-are-actually-using-the-internet-of-things