Newsletter

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Recent Enhancements in the Mobile Technology

In today's world technology is moving at a fast pace than ever. The integration of Cloud, smartphones and Big data have changed ways of solving a complex problem. The mathematicians and computer scientists have created new mechanics that have changed the essence of the IT industry. This integration of statistics, programming, and electronics has helped the industry to grow on the path of automation and self-sustainability.

INTRODUCTION

All the high-end gadgets that we have ever dreamt of are now turning into reality. Computer science has domain has made our devices more autonomous and smart. A new revolution is knocking at our door step.

VIRTUAL REALITY

A computer technology that creates realistic views, sounds, and sensations that take the human into an imaginary environment where he can feel his presence and experience a 3D habitat. The human is taken to a whole new artificially created dimension with this technology where he can interact with the environment. A headset and a motion tracker are required to create this 360-degree space. With the advancement in technology, mobiles have now become a favorite platform for companies to showcase their virtual reality product. Currently, mobile phones can be fitted in the VR headsets. Its screen is divided into two for ease of visual for the human eyes and this converts the mobile into a VR device. From playing games to experience artificial 3D environments, all are achievable with the integration of a mobile and a VR headset.

An Oculus VR headset

WEARABLE DEVICES

Apple iwatch

Wearable devices are small smart devices that can be worn on the human body. Some can be worn as glasses while others can be worn like wrist watches. Generally, these devices connect to a smartphone via Bluetooth. Devices like Apple iwatch, Fitbit Flex etc. track a person's health regime. From taking calls to creating a health plan to monitoring a patient's vitals, all can be done through these devices. They are just like mini smartphones that one can use on a daily basis. Moreover, these wearable devices are also finding use in the industries as well. Emergency personnel is using the tracking features in these devices. Job shop workers are using them to remotely

operate machinery on an assembly line. This technology has seen many applications and continues to grow.

ADVANCED MACHINE LEARNING

Big data is the current trend in the technical domain. With a vast amount of data being available in each and every domain, efforts are being made to gather insights from it. This is where machine learning and artificial intelligence comes to play. These are composed of technologies like deep learning, natural language processing etc. that help a user to design intelligent systems. Artificial intelligence is going to be an integral part of autonomous vehicles, robots, virtual assistants and much more. A smartphone integrated with this technology will be able to learn, predict and work autonomously in various domains.

INTELLIGENCE APPS

Intelligent apps use artificial intelligence and machine learning techniques in an application. With an exponential increase in computation power, these apps can dig into Big Data and generate useful insights for a person based on his requirement. For example, VPA (Virtual Person Assistant) is an intelligent app manages emails and other priority tasks. Many organizations are also developing such apps for their work domains like supply chain, marketing etc. Another application of these apps is the manufacturing industry where predictive information helps the employees to improve their designs and prevent failure. Applications of these intelligent apps are numerous.

DIGITAL TWIN

The diverse application of apps on the smartphone has made possible the invention of Digital twin. It is a virtual application that represents a process or a product. This pairing between the real and virtual world ensures easy monitoring of systems. This helps to be proactive in solving a forth coming problem. Moreover, a proper plan can be laid out for the future by running simulations based on this virtual system. The digital twin system gathers data through sensors installed on a real-time system. This data is then processed on cloud based systems. Insights and opportunities are generated. Also, lessons learned are implemented in future updates. This ultimately helps to transform the business.

CONCLUSION

These technologies are enhancing the way humans are working by making tasks simpler and efficient. These are becoming the new support system of the modern century. With a single smart device in your hand, you have the entire world at your doorstep.

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