

Current Trends of Augmented Reality in the Industry

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A proposed AR use case in the industrial sector where workers can use AR devices to control and monitor the robotic equipments



An example of how AR can be utilised to teach sign language using a mobile phone's camera

SUMMARY

Augmented Reality is an enhanced version of reality created by using technology to overlay digital information over an image of anything being viewed through a device such as a smartphone camera. It is a three-dimensional interactive experience that merges a real-world view with computer-generated features. Furthermore, AR differs from Virtual Reality (VR), which is a completely self-contained computer environment, whereas AR overlays computer elements amid real-world items in real-time. Aside from that, these AR technologies are digital industry technologies that can be used in many industries such as the healthcare industry where it can provide a surgery preview before the procedure is performed. Without the use of a patient, cadaver, or animal, this indirect simulation can assist and train medical practitioners.

Future of Augmented Reality

AR Contribution

Enhancing AR technologies has the potential to benefit a large number of people, particularly the disabled. For example, people who are confined to wheelchairs and have limited mobility and grip find it difficult to buy at stores. However, by incorporating augmented reality technology, such as AR apps, disabled individuals can shop more conveniently simply pointing their tablet or smartphone to an item, and store staff will come to collect each item during checkout.

Furthermore, businesses with enormous products, such as earth moving equipment, planes, cars, and other vehicles, might spend a lot of money just to get them to a showroom floor or a trade fair. However, the existence of augmented reality alleviates these concerns by allowing them to create virtual versions of those things and install them anywhere they want. When it's time to show the product, AR allows visitors to move around it, evaluate its features, and obtain all the information they require.

Career In AR

The Augmented Reality sector has opened the door to various job opportunities and development in the field. Most of them related to developing the required software and content creation for the device. For example, AR/VR content developer, content strategist, project manager, designer.

Important to note that future jobs will be where humans excel at more than robots particularly involving creativity, socialisation & dexterity. As expected, jobs in AR require data science skills, critical thinking skills and tech savviness to get a head start.

Reflection



Augmented reality is one of the leading technologies in Industrial 4.0. This technology helps users enhance their experience in real life using technology. Augmented reality allows users to add virtual elements into the physical world and interact with them. The usage of technologies such as cameras and other output devices (e.g. HoloLens, Google Glass, Smartphones, etc) are required to connect the augmented with the real world, creating a better experience for users by taking advantage of the Internet connectivity to allow for greater productivity and mobility in our work.