**Blog on**

***‘’Augmented Reality ‘’***

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Augmented reality is defined as "an enhanced version of reality created by the use of technology to add digital information on an image of something."

AR is used in apps for smartphones and tablets. AR apps use your phone's camera to show you a view of the real world in front of you, then put a layer of information, including text and/or images, on top of that view.

Apps can use AR for fun, such as the game Pokémon GO, or for information, such as the app Layar.

The Layer app can show you interesting information about places you visit, using augmented reality. Open the app when you are visiting a site and read information that appears in a layer over your view.

You can also find money machines, see real estate for sale, find restaurants, and more using the AR feature of the app. You may even discover new sites you did not know existed.

AR Headsets

You may have heard of Microsoft's HoloLens by now or Facebook's Oculus VR headset. These high-end headsets were eagerly awaited by all, but only a lucky few could afford them.

AR Applications

The military uses augmented reality to assist men and women as they make repairs in the field. Medical personnel use AR to prepare for surgeries. The possible commercial and educational applications are unlimited.

Medical AR Uses

Medical students use AR technology to practice surgery in a controlled environment. Visualizations aid in explaining complex medical conditions to patients. Augmented reality can reduce the risk of an operation by giving the surgeon improved sensory perception. This technology can be combined with MRI or X-ray systems and bring everything into a single view for the surgeon.

AR Apps for Navigation

Navigation applications are possibly the most natural fit of augmented reality with our everyday lives. Enhanced GPS systems use augmented reality to make it easier to get from point A to point B.

Sightseeing in Augmented Reality

There are a number of applications for augmented reality in the sightseeing and tourism industries. The ability to augment a live view of displays in a museum with facts and figures is a natural use of the technology.

AR Gaming Takes Off

With recent advances in computing power and technology, gaming applications in augmented reality are on the upswing. Head-worn systems are affordable now and computing power is more portable than ever. Before you can say "Pokemon Go," you can jump into an AR game that works with your mobile device, superimposing mythical creatures over your everyday landscape.