

Virtual Reality

By Ritik Agarwal (BCA Batch: 3-2 College Roll: 22085)

Virtual Reality Overview

Virtual Reality :

The term here refers to an Artificial Environment which is not actually Real. But It is made similar to Real by Forcing the Human Senses to make Believe in it.

What Actually Happens in Virtual Reality?

In Virtual Reality , with the help of Visuals and Sound , An Environment is Created in such a way that a Person starts feeling that they are in a different Place or in a whole New World which feels Real . This Artificial world that a user experiences is actually a Simulated Environment where it is made sure that Sensations via Audio & Video along with the Technology appears like a Person is into a whole New Dimension. Although Everything is virtual in Virtual Reality , still a user experiences it like it is Real.

VR(Virtual Reality) tricks your mind via the help of audios and visuals, believing into the world which does not exist.

How The VR Technology Supports Human Beings?

With the help of VR...

- An Artificial environment can be created which is interesting like GamePlays.
- Experience Videos/Animation/Movies like you are in there.
- Medical Practices like Complicated Surgeries, Understanding of Anatomy of BioMolecules can be made very easy.

- A person can explore Celestial Bodies without going into Space like Neutron Star, Black Holes , Nebulas , Galaxies etc.
- They can even dive into a Planet's Core , watch their Moons, Asteroid Belts & much more.
- Complex Physics concepts can be explained very Easily and Interestingly with the help of 3D interactions
- Those who have Interest in watching Ant colonies can watch them and not only watch but also can Feel the Surroundings as if they are there..
- Warcrafts operations which are not feasible in terms of Money , Time and Hazards involved , could be Performed without having any Risk involved.
- The practices where Risk of even small accidents due to Non Expertise of Crew or Careless Attitude may Highly Impact the mission, can be performed with Minimal Investment

How VR Technology Harms Human Beings?

- It takes a person away from the Reality
- The Things which are tough to acquire in the real world can be made available in no time.
- It is addictive .
- Too much use of this technology can disconnect you from your social life as well as Family & Friends Circle.
- It can disrupt Sleep Cycles due to overexposure of Blue Rays.
- It can weaken eye-sight and may result in loss of hearing too.

Conclusion

Virtual Reality reduces the cost of acquisition of Materials without worrying damaging of objects ,It Creates an Artificial Environment which feels real.One can Experience & see visual Representations of that surroundings like space ,oceans,inside Earth core, Ant Colony , microorganisms world, celestial bodies(neutron Star ,blackholes , nebula, galaxies).

Virtual Reality is highly helpful in the domain of Education & Research making context user Friendly, easy to interact and incredibly interesting.