**“Metaverse”**

**What is Metaverse?**

* **"Metaverse"** itself is the combination of two words i.e., Meta and Universe. The actual meaning of it is "Go Beyond Universe". The Metaverse becomes an alternate Universe where AI (Artificial Intelligence), VR (Virtual Reality), AR (Augmented Reality), blockchain as well as hardware etc. all are connected. It is an interconnection of virtual and 3D world. The purpose of this is to remove the barriers of communication, commerce and trade.
* Metaverse is considered the next paradigm in Technology. Metaverse can be described as a computer-generated virtual space where a group of people can simultaneously interact using dedicated Virtual Reality (VR) instruments.
* Metaverse as a concept is strongly linked with technologies such as Artificial Intelligence (AI), Virtual Reality (VR), Augmented Reality (AR) and Internet of Things (IoT).
* It is a virtual reality that serves as a computing platform for living a second life online or we can say virtually. The one of the necessities is to wear a VR box. As we all know, as per the upgraded technology the size of the device reduces or it modifies. The same thing will happen with VR also, i.e., it will also be converted to spectacles, contact lenses etc. in the future.
* Metaverse interactions will create a humongous amount of user-centric data, where AI comes into the picture. The valuation of metaverse is from a few billion dollars to some trillion dollars in the market.
* According to me, as per the human tendency that human can understand, remember or we can say feel better with the help of vision power rather than as compared with reading and listening. So, the metaverse works on this human tendency to give the best service to the end user.
* Where we can visit anywhere, we want. There are lots of examples that come to my mind when I was reading about this technology, the few examples related to the metaverse I would like to mention below.

**Some Use Cases**

* Suppose I have to purchase a new mobile phone, then as per the traditional way I can go to the mobile shop or I can visit any online e-commerce website, but apart from that with the help of Metaverse technology I can be able to see as well as use the mobile virtually and feel it.
* Travel any places where we want by sitting in our place in virtual mode with the help of metaverse. We can give feel to the physically disabled people in those area by doing the things that they cannot be able to do it in real life.
* Playing real time video games, watching live matches with the same feel that is there in the stadium.
* Watching any movie with the feel like the Cinema Hall by sitting in our own house.
* It will give good visual experience to the Architect and the Engineers by creating a virtual 3D model of the construction or anything that they want to build.
* Attending the parties and enjoying dancing on the floor virtually with the help of metaverse. One can attend the important business meeting also with the help of this upcoming technology.
* This technology will make better improvement in the life of students, any historical things or geographical things will become easy to learn and understand by present there at that time presenting at that moment. It will also be helpful to learn space-science related things because we cannot go to any other planet to study the natural things present on that planet, but it will be possible virtually and effectively with the help of Metaverse.
* One can say metaverse will give only the better visual experience but what about the touch and feel? How will it be possible? But in the future, there will be a possibility of wearing such a suit which is fully connected with sensors and when someone touches us at the same time the same sensor from the suit that we wear will activate and we will able to feel the touch also.



**“Web 3”**

* Web3.0 is nothing but the next generation Internet, it is one of the most powerful futures in internet platform. Web3.0 is the advanced version of web1.0 and web2.0. In web1.0 the user was able to only read the content in the form of text, there was no any facility for videos. The search engines were also not strong at that time.
* Then these challenges have overcome in web2.0 which we are using in our day-to-day life. In this the user can be able to search whatever he wants and get the information by various types of formats like in text, videos, animation etc. The evolution of web2 brings the change in the life of internet users all over the world.
* But there are some disadvantages or drawbacks also in web2, we are visiting to any website the user must see the ads forcefully. After watching the ads, he can be able to get the service whatever he wants. The internet that we are using daily runs by the few companies, and they rule the internet all over the world. These ads are profitable only for the content creator and the browsing company. User spends his quality time by watching these unwanted ads.
* These types of drawbacks will remove in web3. We can be able to see the ads whatever we want. The user will be able to set rules for browsing. The main thing related to security.
* Web3 is totally based on Blockchain technology so it will be more secure than current versions. Web3 is the combination of Decentralization, Open Source and Blockchain.

**Features:**

1. **Anonymous sign on:** The user will not have to give his private data for every website for surfing separately.
2. **Self-Governing:** The user will be able to set their rules and able to take their own decision.
3. **Better Searching:** The searching speed will be faster and no need to type particular words for searching. Totally works on the powerful search engine optimization.
4. **Personalize Browsing Experience:** It will give the experience by need of the user it is not same for everyone, but it will change based on the choice of user.
5. **Uninterrupted Sites:** This technology is totally based on blockchain, so the data is distributed in the form of blocks and these blocks connected to each other in the form of chain like structure. So, by chance if the data from one block is corrupted then it covers by another block on the same time.