



San Francisco Bay University

Course Title: Introduction to the Metaverse and Its Applications

Course Date/Time: Saturday, Jan 28th and Feb 4th, 10:00 am - 1:00 pm PT

Instructor Name: Prof. Ahmed Banafa

Live Online (zoom), Class Recording Available

Ahmed Banafa is a Professor of Engineering at San Francisco Bay University. His work focuses on blockchain, Internet of Things, and artificial intelligence. He is the author of three books: Secure and Smart IoT Using Blockchain AI, Blockchain Technology and Applications, and the forthcoming Quantum Computing. Banafa studied electrical engineering at Lehigh University.

Course Summary

The term Metaverse is a hot topic of conversation recently, with many tech giants like Facebook and Microsoft staking claims. Author Neal Stephenson is credited with coining the term "metaverse" in his 1992 science fiction novel "Snow Crash," in which he envisioned lifelike avatars who live in realistic 3D buildings and other virtual reality environments. Since then, various developments have reached milestones on the way toward a real Metaverse: an online virtual world which incorporates augmented reality (AR), virtual reality (VR), 3D holographic avatars, video, and other means of communication. As the Metaverse expands, it will offer a hyper-real alternative world or what comic fans call a parallel universe.

After this course you will be able to answer the question, "What is the Metaverse?" We will discuss the relationships between the Metaverse and blockchain, cryptocurrency, and NFTs. Real-life applications will be presented, and the future of the Metaverse will be explored.

No prerequisites or coding experience required.

Saturday Jan 28th

Introduction and class policies
What is the Metaverse?
Demo of the Metaverse
The Metaverse vs. Web 3.0
AR/VR and the Metaverse
Class Discussions

Saturday Feb 4th

Applications of the Metaverse
Advantages and Challenges of the Metaverse
Types of the Metaverse
Blockchain and the Metaverse
Cryptocurrency and the Metaverse
NFTs and the Metaverse
Class Discussions

All attendees will receive “Attendance Certificate” in addition of 0.6 CEU