

## Summary

Since time immemorial, humans have been collecting unique items as a hobby. There are also many works or rare collectibles such as statues and paintings collected around the globe. Globalization and technology have increased human capability to create digital products that we called as non-fungible tokens (NFT) to become collectible items.

Most people think NFTs are digital products. Non-Fungible Technology (NFT) is one of the latest technologies in a decentralized environment that enables digital or physical assets to become unique. All assets within the blockchain are identified uniquely makes everyone can distinguish every existing item. This technology is powered by blockchain technology. Blockchain brings transparency and enables everyone who is connected to the same network could see the same transaction log.

Nowadays, NFT technology is massively used as unique digital identification for digital products such as Interactive digital art, photographs, and even music. Digital products can be said to be a promising collection. The price of these digital products is also quite expensive which indicates it has a huge community and digital products are considered valuable.

Connecting NFT technology with physical goods is not a new concept. Most of the existing concept is to trade digital products with physical goods as their underlying asset. Collectors trade digital products in the marketplace without involving physical goods. If the owner of the digital product wants the physical goods, then he must exchange the digital product with the product maker to get the physical goods. After he exchanged the item, he is unable to sell the same item in the marketplace again.

This research has a goal to create a concept of how to connect NFT technology with physical goods called NFT-VI. NFT-VI makes everyone trade physical items with NFT as a digital certificate of ownership and authenticity. Furthermore, the reader needs to know that this research is only to validate the product concept in terms of business & system requirements.

The author does not have any experience with NFT technology. Therefore, the author needs to understand the basic mechanism of NFT technology first by conducting observation and available product analysis. The author tries to use various NFT platforms to understand the process behind it. After that, the author conducts a comprehensive research process such as requirement analysis, validation to targeted users & experts, and developing concept ideas based on gathered data.