

## **Synopsis: An effective counterfeit Medicine authentication system using Blockchain and IoT to prevent hazards to Human Life**

Counterfeit medication is becoming a growing problem in underdeveloped nations most as well as in some developed countries. By suggesting robust health networks using Blockchain and IoT, our project aims to address the issue of counterfeit medications. The possibility and benefits of using Blockchain and Internet of Things (IoT) technologies for enhancing the Healthcare and Medical sector have been explored. We can state that though companies are doing their best to contain counterfeit, there is technology at help to take this further and make it more difficult for counterfeiters to survive in the market. This will aid in further solidifying the brand's reputation among consumers. Participants in the supply chain and consumers can use a basic smartphone as a powerful deterrent to counterfeiters. Our solution not only engages the client but also conveys a crucial message from the firm that it is employing technology and its best efforts to combat fake medications.