

Define the problem Statement

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| Project Title | Project- Drug Traceability |

Define the problem Statement:

The pharmaceutical industry faces a critical challenge in ensuring the authenticity, traceability, and security of drugs throughout the supply chain. The existing systems are susceptible to counterfeiting, inefficiencies, and lack of transparency. This necessitates the development and implementation of a blockchain-based solution to establish a robust and standardized drug traceability system.

The key issues that need to be addressed include data standardization, integration with legacy systems, scalability, privacy, regulatory compliance, and stakeholder adoption. The problem statement aims to create a secure, efficient, and transparent blockchain solution for drug traceability that meets regulatory requirements and gains widespread industry acceptance.

A problem statement in the context of drug traceability in blockchain technology defines the specific issue or challenge that needs to be addressed within the pharmaceutical supply chain. It provides a clear and concise description of the problem, highlighting its significance and the need for a blockchain-based solution. Here's an example problem statement for drug traceability in blockchain: This problem statement seeks to address the following key issues:

1. Lack of Transparency: The current supply chain lacks transparency, making it difficult to track the movement of pharmaceutical products from manufacturers to end-users, including healthcare providers and patients.
2. Counterfeit Drugs: The prevalence of counterfeit drugs in the market poses a significant risk to patient safety. Identifying and preventing the distribution of counterfeit medications is a top priority.