

## DISTRIBUTED LEDGER FRAMEWORK FOR SECURE PHARMACEUTICAL SUPPLY CHAINS

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*A study of enhanced traceability, transparency, and compliance in the pharmaceutical supply chain ecosystem is suggested to be done using the present paper's proposal which is a combination of a distributed ledger and smart contract based system. The system as demanded keeps the entire history of a batch, custody transfers, and compliance events on a ledger that can be accessed by the big players only without the middle men. Also, it automates the task assigned to the smart contracts such as authorization, monitoring of the cold chain, and recalling of the products if they are found to be defected. The procedure develops the trust of all the stakeholders.*

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