

PROBLEM & PROBLEM UNDERSTANDING

Literature survey

Date	20.10.2023
Team ID	NM2023TMID08532
Project Name	Drug Traceablity
Maximum Marks	

Literature survey:

These papers provide a comprehensive overview of the use of blockchain technology in drug traceability, highlighting its benefits, challenges, and real-world applications in the pharmaceutical industry.

Block chain integration:

Unique Identifiers

Data Entry and Verification

Immutable Ledger

Smart Contracts

Verification and Authentication

Transparency and Visibility

Regulatory Compliance

Data Sharing and Collaboration

Track and Trace

Interoperability

Privacy and Security

Use cases:

1.Title: "Blockchain-based Drug Traceability in Pharmaceuticals",Authors: Muhammad Sufyan, et al., Publication: Journal of King Saud University - Computer and Information Sciences

- 2.Title: "Blockchain-based Framework for Pharmaceutical Traceability: A Case Study of Counterfeit Drug Prevention in Developing Countries",Authors: Muhammad Arslan Aslam, et al.,Publication: 2020 IEEE International Conference on Blockchain and Cryptocurrency (ICBC)
- 3.Title: "Pharmaceutical Supply Chain Integrity: A Novel Blockchain-based Framework",Authors: Afraa El Magam, et al.Publication: 2020 IEEE International Conference on Pervasive Computing and Communications Workshops (PerCom Workshops).
- 4.Title: "Blockchain-based Traceability in Pharmaceutical Supply Chain Management"Authors: E. Christobek, et al.,Publication: 2020 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS).
- 5.Title: "Pharmaceutical Drug Traceability Using Blockchain: A Use Case Study in the United Arab Emirates"Authors: Sulaiman Dhakhil, et al.Publication: International Journal of Advanced Computer Science and Applications.
- 6.Title: "Blockchain-based Drug Traceability System for Ensuring Authenticity in the Pharmaceutical Supply Chain"Authors: Hemanth Kumar M, et al.,Publication: 2019 International Conference on Emerging Trends and Innovations in Engineering and Technological Research (ICETIETR).
- 7.Title: "Blockchain for Pharmaceutical Traceability: A Perfect Pair",Authors: H. S. Megahed, et al.,Publication: 2018 IEEE International Congress on Internet of Things (ICIOT).
- 8.Title: "Blockchain-based Drug Traceability: A Realistic Approach in the Pharmaceutical Industry"Authors: Sumaiya Khan, et al.Publication: Journal of Engineering Research and Applications