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(57) Abstract :
BLOCKCHAIN-BACKED DYNAMIC SUPPLY CHAIN ORCHESTRATION TO AGILE BUSINESS OPERATIONS ABSTRACT The disclosed system and method present a comprehensive solution for dynamic supply chain orchestration, enhancing business agility through blockchain technology. The system (100) integrates a blockchain-based distributed ledger (108) to efficiently store and manage real-time supply chain data. A dynamic orchestration engine (110) employs predetermined criteria to analyze data, identifying inefficiencies and disruptions, and automatically adjusting supply chain processes. Facilitating secure communication, a communication module (112) ensures participant interaction via the blockchain. A user interface (114) empowers users to engage with the orchestration system. The method involves recording, analyzing, and dynamically adjusting supply chain data, securing communication, and providing a user-friendly interface. This innovation fosters agile business operations, optimizing supply chain efficiency, and responsiveness in a secure and user-centric manner.

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