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(57) Abstract :

Disclosed herein is a blockchain-enabled AI system for assured contract farming with price negotiation and secure transactions (100) comprises a user interface module (102), to interact with the system through graphical elements, multi-language options, and voice-command capabilities for contract negotiation, status updates, and alerts. The system also includes a backend processing unit (104), configured to handle user authentication, request routing, contract generation, and integration of price prediction and negotiation functionalities. The system also includes a blockchain-based smart contract module (106), configured to generate, store, and manage tamper-proof digital agreements between farmers and buyers. The system also includes an AI-powered price forecasting engine (108), configured to analyze historical market data and generate agricultural price predictions for a time horizon of up to twelve months. The system also includes a dynamic negotiation engine (110), configured to facilitate price negotiation between farmers and buyers based on real-time market conditions and AI-driven recommendations.

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