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(57) Abstract :

The present invention discloses an intelligent IT asset management system integrated with predictive maintenance capabilities. It comprises modules for data collection, processing, analytics, predictive maintenance, user interface, integration, and security. The system uses artificial intelligence and machine learning to analyze asset data, forecast failures, and optimize maintenance schedules. This invention enhances operational uptime, reduces maintenance costs, and improves asset longevity. It also ensures regulatory compliance and data security, offering a scalable and unified solution for modern IT infrastructures requiring proactive asset monitoring and intelligent maintenance planning.

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