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(57) Abstract :
The invention discloses a sensor-integrated system for real-time computer server health monitoring, comprising temperature sensors (101), vibration sensors (105), and a power monitoring unit (106) connected to a data processing unit (108). A machine learning module (109) predicts failures, while an alerting module (111) triggers corrective actions. A centralized dashboard (110) provides unified monitoring, ensuring reduced downtime and improved reliability. The invention offers proactive anomaly detection, predictive maintenance, and seamless integration with existing server management tools for enhanced data center performance and efficiency.

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