

Smart Classrooms for Healthy Learning: IoT-Driven Indoor Air Quality Monitoring and Fault Detection

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The contribution presents the implementation of an IoT-based monitoring system on the CLE campus of the University of Turin. The system integrates environmental sensors within classrooms to track indoor air quality in real time. Sensor data is centralized through a digital asset management platform, enabling continuous oversight of building performance and related users' comfort. Detected anomalies or faults in Indoor Environmental Quality (IEQ) parameters will be used to trigger alerts to support timely interventions and promote healthier learning environments.

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