

EduSphere – Smart Kiosk Alert Dashboard

For–Who–Helps–So That

For:

Kiosk owners managing temperature-sensitive kiosks.

Who:

Need to ensure real-time visibility of freezer status and timely alerts on faults or temperature breaches.

Helps:

Monitor multiple kiosks remotely with automated alerts and easy-to-read dashboards.

So That:

They can reduce spoilage losses, respond faster to incidents, and maintain compliance with storage standards.

Scope

- Display real-time sensor data (temperature, connectivity status).
- Identify and flag offline or stale sensors automatically.
- Log and apply threshold changes with version history
- Send alerts via SMS and email with secure delivery.
- Suppress false alarms caused by brief temperature spikes.

- Provide a historical alert view for audit and trend analysis.
- Deliver a simple, responsive web dashboard (desktop + tablet).

Non-Goals

- No mobile native app development this term.
- No third-party integrations (e.g., Wolt, Twilio advanced analytics).
- No machine learning-based anomaly detection
- No full multi-tenant role management.
- No predictive maintenance algorithms.

Early Success Criteria

- P95 latency < 300 ms at 200 RPS sustained for 10 minutes.
- Offline status visible ≤ 60 s after a probe disconnect.
- ≥ 85 % task-success rate (TSR) in user test for dashboard comprehension within 20 seconds.

Scope Fence Diagram

