**Meeting Minutes**

**Date:** 24/03/25

**Time:** 17:40-18:00

**Location:** Richmond Building

**Team-Leader:** Hanzala bin Tariq (23056605)

**Team-Speaker:** Muhammad Ejaz (23057056)

**Attendees:**

* Syed Saram Afaq (23040215)
* Huzaifa Shoukat (23056606)
* Muhammad Ali Hamza (23056614)
* George Kepgang Deumo (22015168)
* Humaid Bodiyat (21008213)

**Call to Order:**

The meeting was commended by Muhammad Ejaz, it was held at 17:40

**Agenda**

**1. Dashboard UI + Data Integration**

**Discussion Summary:**

* Finalised the design layout for dashboard
* Connected front-end to API
* Initial Plotly.js graphs displayed

**Decisions Made:**

* Use Plotly.js for visualizations
* Run 3 different dashboard views: overview, per sensor and real time view
* Fast development by assigning team on particular view

**Individual Progress & Updates**

* **Hanzala bin Tariq:** Documented API endpoints & DB structure for front-end team
* **Muhammad Ejaz:** Created an endpoint for filtering data by sensor id
* **Syed Saram Afaq:** Finalized data simulation script with realistic drift
* **Huzaifa Shoukat:** Developed test suite for dashboard integration
* **Muhammad Ali Hamza:** Plotly used for sensor trend line visualization
* **George Kepgang Deumo:** Real-time data to Frontend through socket connection
* **Humaid Bodiyat:** Completed a responsive mobile view for dashboard

**Future Tasks**

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| **Hanzala bin Tariq:** Help with complete team reference for API documentation |
| **Muhammad Ejaz:** Add endpoints for date filtering & aggregation |
| **Syed Saram Afaq:** Simulation of tuning data & live data seeding schedule |
| **Huzaifa Shoukat:** Integration test and patch response bugs |
| **Muhammad Ali Hamza:** Set up view for comparison between sensors graphs in the dashboard |
| **George Kepgang Deumo:** Throttle real-time updates for optimal performance |
| **Humaid Bodiyat:** Begin UI work for visual flagging of traffic-light data |