

1. Overview

The goal of this project is to create a secure and private dashboard for ***Daikibo***. This dashboard will help monitor the health and performance of machinery in its four factories. Each factory has nine machines, adding up to a total of thirty-six devices that send ***real-time*** monitoring data all the time.

This ***dashboard*** will provide factory managers and engineers with a clear view of machine statuses. They will be able to spot potential issues quickly, reduce downtime, and improve overall efficiency.

Access to the dashboard will be limited to Daikibo’s internal network to keep the data safe. User ***authentication*** will work with the company’s current internal system, allowing employees to log in with their regular company credentials.

2. Scope

The dashboard will show the current health status of all machines across Daikibo’s four factories on one page. Some key features include:

**1. Collapsible and Expandable Views:**

* Each factory can be expanded to display its nine machines.
* Each machine can be expanded further to reveal its historical status data.

**2. Real-Time Monitoring:** Machine telemetry data will update live on the dashboard.

**3. Internal Authentication:** The system will connect with Daikibo’s authentication server, allowing employees to use their company accounts for secure login.

**4. Private Access:** The dashboard will be accessible only through the company’s intranet, preventing external access.

**Reference Graphic:**

*(Insert a* ***diagram*** *or* ***wireframe*** *here to illustrate the dashboard layout.)*



3. Estimate

Provide an **estimate of total man-hours**, broken into three categories.

| **Activity** | **Estimated Hours** |
| --- | --- |
| Development | 120 hrs |
| Testing & Quality Assurance | 40 hrs |
| Integration with Intranet & Authentication | 20 hrs |
| **Total** | **180 hrs** |

***Note:*** *Adjust these numbers if you believe the project requires more or fewer hours.*

4. Timeline

List milestones and dates. Example timeline:

| **Milestone** | **Target Date** |
| --- | --- |
| 1. **Requirement Gathering** | Sept 1, 2024 |
| 1. **UI/UX Design** | Sept 8, 2024 |
| 1. **Core Dashboard Development** | Sept 15, 2024 |
| 1. **Authentication Integration** | Sept 29, 2024 |
| 1. **Testing & QA** | Oct 6, 2024 |
| 1. **Final Deployment** | Oct 13, 2024 |

5. Support

We offer ongoing product support to keep the dashboard working well and dependable. Support includes:

* **Bug Fixes:** We resolve issues within 48 hours of reporting.
* **System Updates:** We provide regular updates to keep the dashboard secure and compatible with new technologies.
* **Feature Enhancements:** We add new functionality as Daikibo’s needs change.
* **Support Tickets:** A ticket-based system lets Daikibo staff report problems or ask for improvements.