

1. **Overview**

We are excited to propose the development of a custom **Private Dashboard** for **Daikibo**. This dashboard will provide real-time health status updates for the machines in **Daikibo’s four factories**. Each factory has nine machines, and the dashboard will compile and display telemetry data for all of them in an easy-to-use, **single-page interface**. Accessible only through **Daikibo’s internal network**, the dashboard will ensure secure, convenient monitoring for authorized personnel. Authentication will be seamlessly integrated with **Daikibo’s internal systems**, so users can log in with their existing company accounts. The dashboard will feature collapsible and expandable views for both factories and individual devices, complete with historical data for deeper insights.

2. Scope

**Key Features:**

1. **User Authentication and Access Control**:
   * Syncs with **Daikibo’s internal authentication server**.
   * Access is restricted to users within **Daikibo’s Intranet**, ensuring security.
2. **Dashboard Interface**:
   * A **single-page application** listing the status of all monitored machines.
   * Collapsible and expandable sections for each factory and each machine.
   * Real-time status updates for every machine.
   * Historical data views for each device, accessible upon expansion for detailed analysis.
3. **Data Management**:
   1. Efficiently collects and processes telemetry data from all machines.
   2. Implements secure storage and retrieval systems to support real-time updates.

**Visual Representation**

We’ll include mockups of the dashboard interface, illustrating the collapsible views for factories and devices, as well as the historical data section. These will help visualize the user experience and layout.



3. Estimate

|  |  |
| --- | --- |
| Task | Hours |
| Development | **240** |
| Frontend Development | 100 |
| Backend Development | 80 |
| Database Design & Integration | 60 |
| Testing | **80** |
| Unit Testing | 40 |
| Integration Testing | 20 |
| User Acceptance Testing | 20 |
| Integration | **40** |
| Authentication Server Integration | 20 |
| Intranet Deployment & Configuration | 20 |
| Total Man-Hours | **360** |

4. Timeline

Our proposed timeline for the project is as follows:

|  |  |  |
| --- | --- | --- |
| **Phase** | **Tasks** | **Duration** |
| **Requirement Analysis** | Requirement Analysis and Finalization | Weeks 1-2 |
| **Design Phase** | Creating UI/UX Designs Designing the Database Schema | Weeks 3-5 |
| **Development Phase** | Building the Frontend Developing the Backend Setting Up the Database | Weeks 6-10 |
| **Testing Phase** | Conducting Unit Tests Performing Integration Tests Running User Acceptance Tests | Weeks 11-12 |
| **Integration and Deployment** | Integrating with the Authentication Server Deploying on the Intranet | Week 13 |
| **Final Review** | Final Review and Adjustments | Week 14 |

5. Support

We are committed to providing ongoing support after the dashboard goes live. Our support services include:

**Table**

|  |  |
| --- | --- |
| Support Service | Description |
| Bug Fixes | Prompt resolution of any issues that arise. |
| Support Tickets | A dedicated system for reporting and tracking issues. |
| New Features | Adding new functionality based on your evolving needs. |

We look forward to partnering with **Daikibo** to develop this dashboard and ensure it meets all your monitoring needs. We’re here to help make your operations more efficient and your data more accessible.