

1. Overview

Project Title: Private Dashboard for Daikibo's Factory Machine Telemetry

Background: Daikibo is a manufacturing company that operates four factories, each with nine machines. To monitor the health of these machines, the company collects telemetry data. Currently, there is no centralized system to view this data. As a result, operators must manually check each machine's status, which is time-consuming and error-prone. To address this issue, we propose the development of a private dashboard that displays the health status of all monitored machines in one place.

Project Objectives: The primary objective of this project is to create a private dashboard that provides an overview of the health status of all machines in Daikibo's four factories. The dashboard will be accessible only within the client's intranet, and users will be able to log in using their company-wide accounts. The dashboard will have a single page that lists the current statuses of all monitored devices. Users will be able to expand/collapse the view at a factory level, as well as device level to see the history of device statuses.

2. Scope

The proposed dashboard will be a web-based application accessible within the client's intranet. It will utilize the telemetry data collected from the nine machines in each of the four factories to display their health status in real-time. The dashboard will be accessible to authorized users only and will be integrated with the client's internal authentication server to ensure secure access. Users will be able to expand/collapse the view at a factory level, as well as device level to see the history of device statuses.



3. Estimate

* The proposed budget for this project is $50,000.
* This includes the cost of development, testing, deployment, and support. Additional costs may be incurred if there are any changes in project scope or requirements.

4. Timeline

1. [1st of September 2021] **Design starts**
2. The proposed timeline for this project is three months, starting from the date of approval.
3. The first month will be dedicated to project planning, requirements gathering, and design.
4. The second month will be focused on development and testing.
5. The final month will be for deployment, user training, and support.

5. Support

* Web-based application with a private dashboard for displaying the health status of monitored machines
* Single page layout with expandable/collapsible views at a factory and device level
* Integration with the client's internal authentication server for secure access
* Real-time monitoring of the nine machines in each of the four factories
* Historical view of device statuses