

1. Overview

* We put forth a proposal for developing a private dashboard depicting the condition of devices at numerous locations, devices, and factories.
* The health status of each device will be determined using telemetry data, and insights from the data will be displayed on a dashboard in tableau.
* The statuses of the monitored devices will be included on a single page that will serve as the dashboard.
* These data and insights will be protected and only authorized personnel with valid authentication details will be able to see and access them.
* This information can be combined with the company accounts.
* Both at the factory level and the device level, the view can be collapsed or expanded (showing history of statuses).

2. Scope

* The status dashboard will have all the features needed to keep track of device status and minimise downtime.
* Every device's status can be accessed simply by choosing the factory location; for instance, to know the status of a "CNC" in the Daikibo factory in Shenzhen, China, we must first choose the location, after which the status of various factory sensors will be shown.
* The status is shown in the figure as a "cross," which makes it easy to spot a problem right away.
* As a result, the user is informed and downtime is minimized.



3. Estimate

The project will be divided into 3 parts :-

1. Development – 10 hrs
2. Testing – 2 hrs
3. Integration of the dashboard and authentication with Intranet – 5 hrs

4. Timeline

1. [1st of September 2021] **Design starts**
2. [5th of September 2021] **Development starts**
3. [10th of September 2021] **Testing starts**
4. [12th of September 2021] **Testing done**
5. [15th of September 2021] **Integration process starts**
6. [20th of September 2021] **Project deployed**

5. Support

* With the dashboard and the authentication ready, our support staff will continuously try to obtain feedbacks from users.
* New features and industry standards will be incorporated with no overheard cost.
* With incorporation of new sensors and factories, these can be integrated quite easily, in case of help required, our help desk is available.