

Use Case

Online Preventive Maintenance

With

Digital Factory Operating System
(DFOS™)



“An ounce of prevention is worth a pound of cure.” – Benjamin Franklin





Dynamic Scheduling and Adherence

Due to exigencies, schedule change for preventive maintenance is often faced, this dynamism is very tedious to track and trace.



History Tracking and Analysis

Once PM is done, records & status mentioned in paper-based check sheets creates huge pile of records, due to which historical data traceability gets cumbersome.



Spare and Consumable Management

During PM spare parts are changed very frequently & many a times this is done even before their set life or time. Conventional system makes it very difficult to study cost impact on PM activity due to this.



Challenge

Digitize PM Process for One Machine/Cell in less than 30 minutes

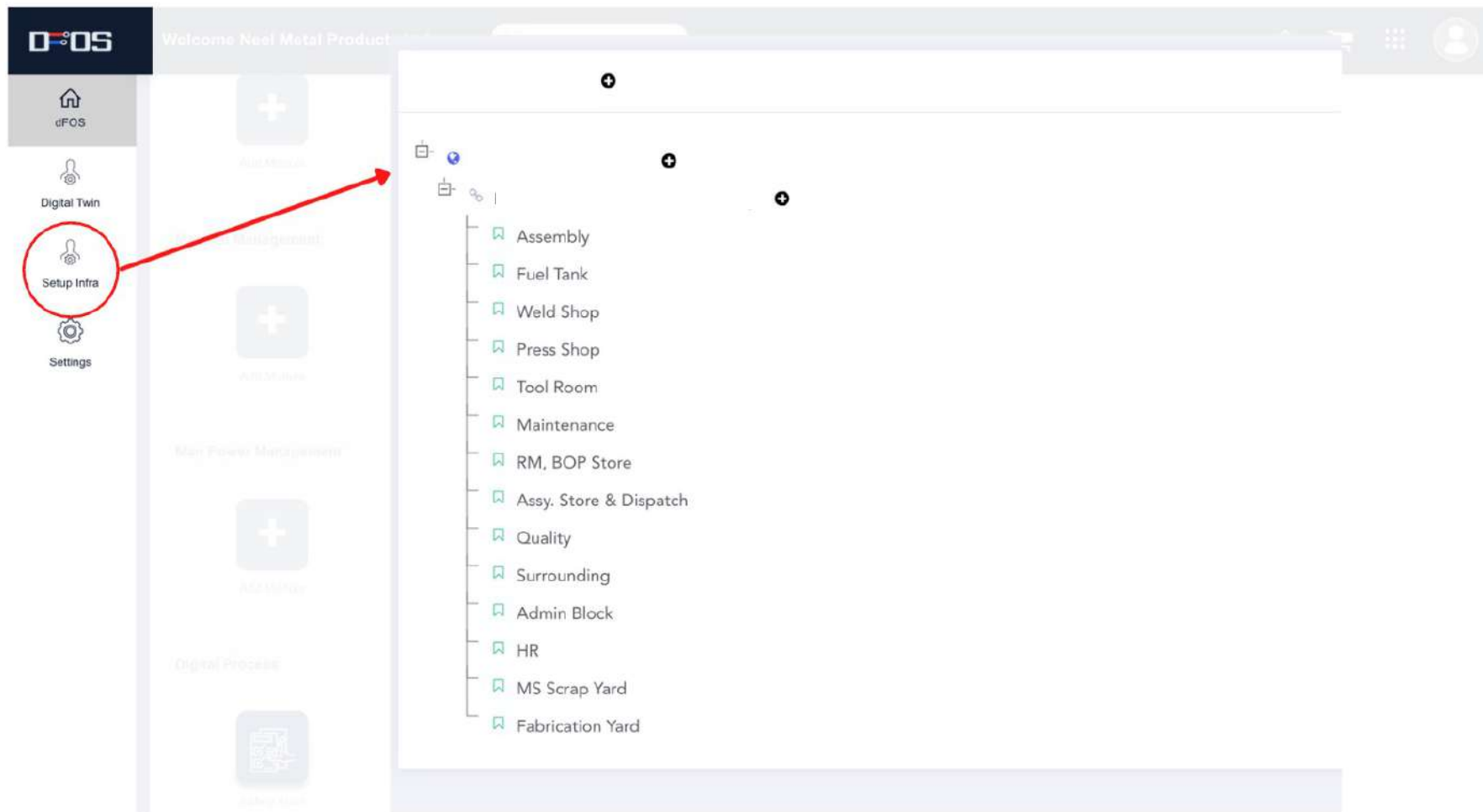


Solution

Challenge



Site/Infra Creation



Wireframes

Solution

Challenge

Digital Twin of Resources

dFOS

Digital Twin

Setup Infra

Settings

Welcome New

MAN

MACHINE

MATERIAL

AREA

SAP

BOT

User Add Bulk Upload

First Name *

Last Name *

Email *

Employee Id

Password *

Male

Submit

Cancel

Export to Excel

Search:

Action	Status	Name	Email	Gender	Modules	User Role	Profile	Email Notification	Push No
	<div>Enable</div>	Manoj Upadhyay	manoj.upadhyay@bmggroup.com			User	<div>View Profile</div>	<div>Disable</div>	
	<div>Enable</div>	Suresh Saini	suresh.saini@bmggroup.com			User	<div>View Profile</div>	<div>Disable</div>	
	<div>Enable</div>	Manoj Sharma	manoj.sharma4@bmggroup.com			User	<div>View Profile</div>	<div>Disable</div>	
	<div>Enable</div>	Rajesh Singh	rajesh.singh1@bmggroup.com			User	<div>View Profile</div>	<div>Disable</div>	
	<div>Enable</div>	Gopal Singh	gopal.singh@bmggroup.com			User	<div>View Profile</div>	<div>Disable</div>	

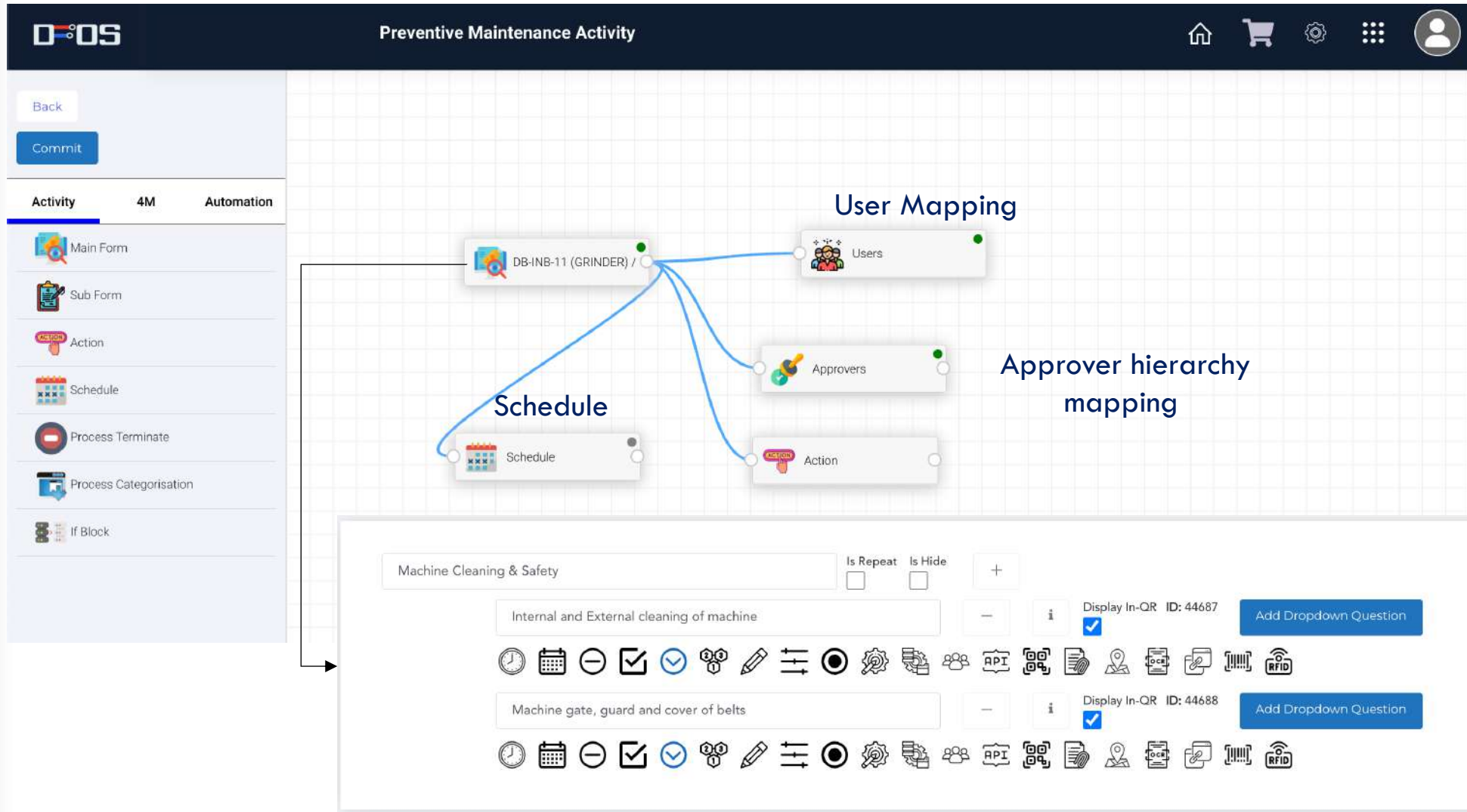
Showing 1 to 5 of 5 entries

Wireframes

Solution

Challenge

Workflow Creation



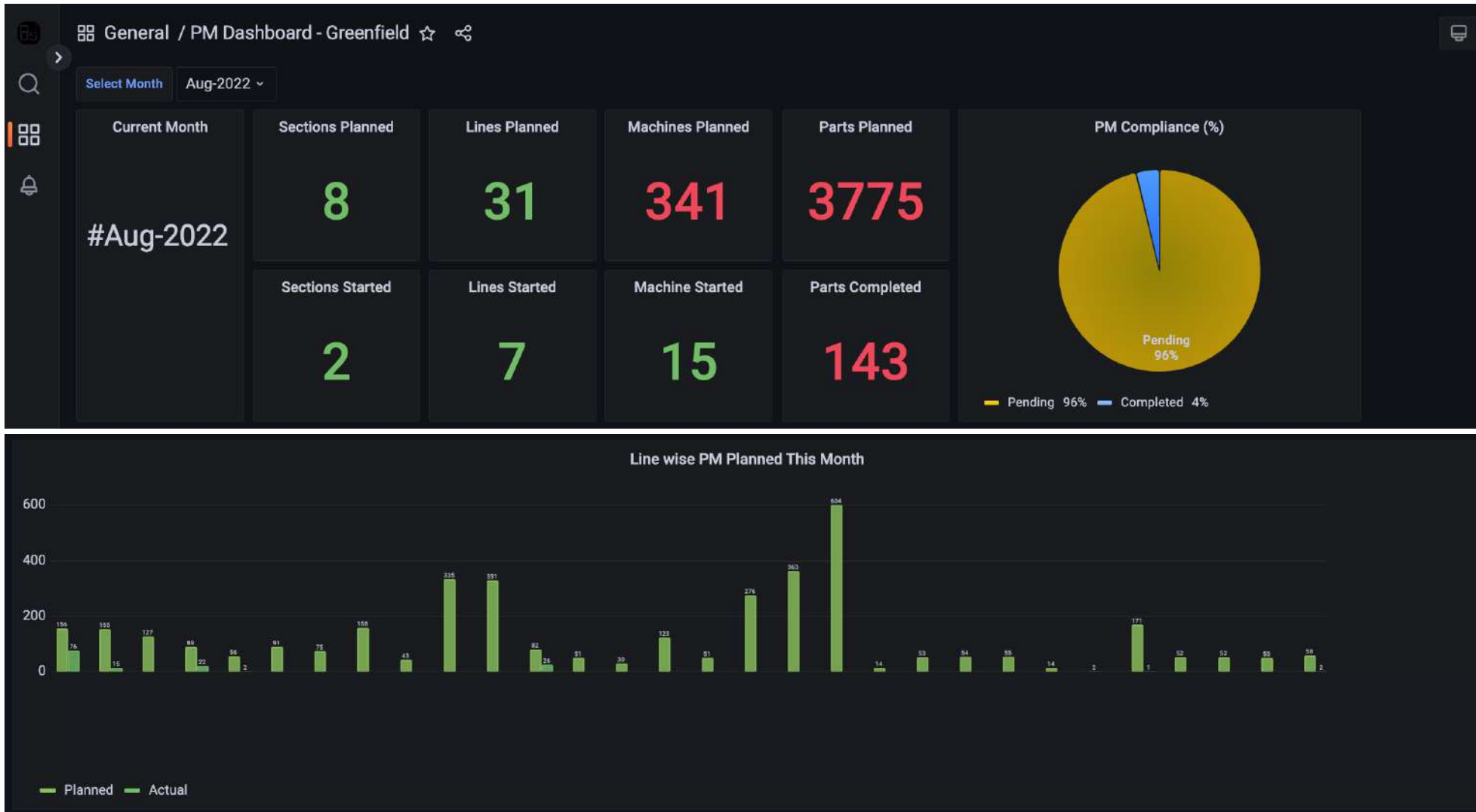
Wireframes

Solution

Challenge

<https://www.designx.in>

Interactive Dashboards

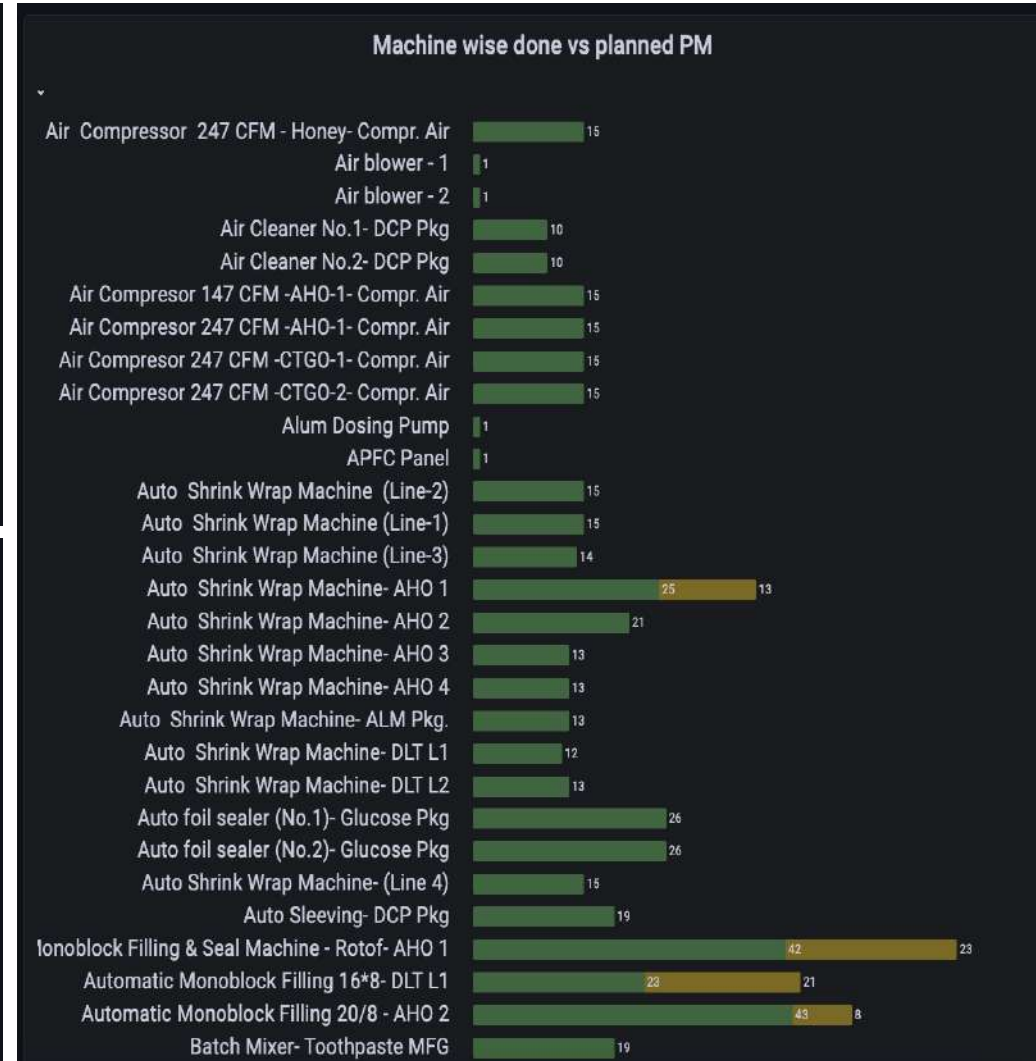
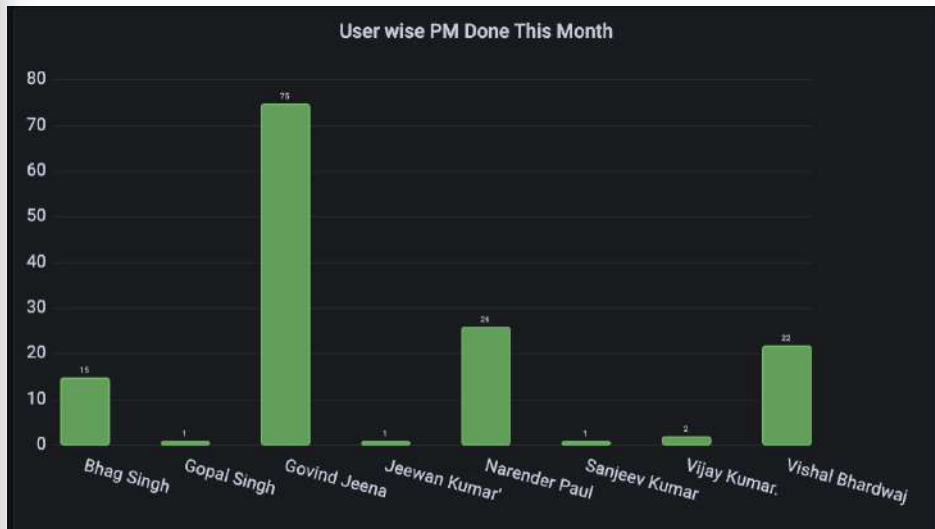
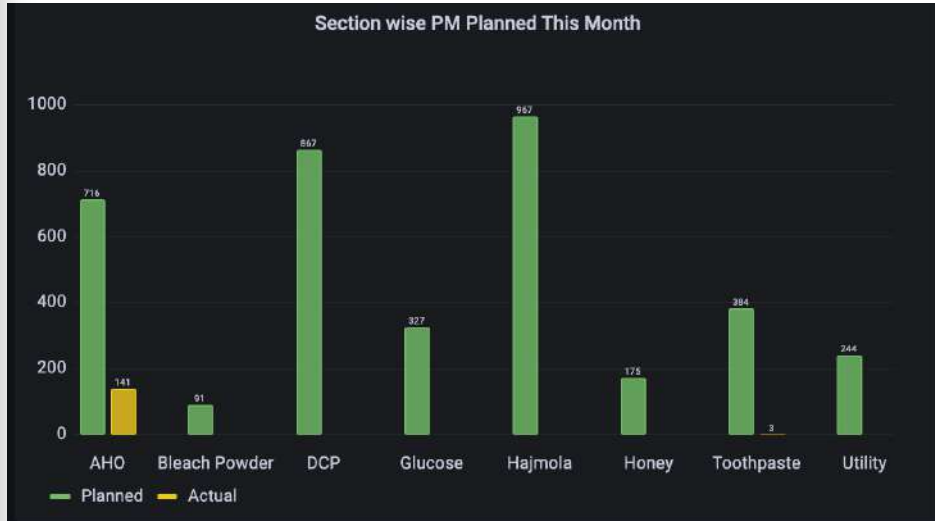


Wireframes

Solution

Challenge

Interactive Dashboards



Results

Tangible



Paperless System



Increase in System Adherence

In-tangible



Reduction in Spare parts Inventory due to better planning



Increase in MTBF due to real time tracking

ROI



Within 3 to 4 months post implementation of digital system



Results

Wireframes

Solution

Challenge