



# Use Case

## Production Planning System

*With*

Digital Factory Operating System  
(DFOS™)



1

**Data validation and acquisition from multiple silos**

For production planning data acquisition is done from various silos like Production, Stock available, Forecast etc.

2

**High chances of errors in planning due to conventional systems**

Once the data is acquired, high level of logics and calculations are to be performed in excel sheet which may result in calculation errors.

3

**Non availability of real time stock register and consumption patterns**

Since data is parked in various silos, non availability of unified space makes it hard to trace real time RMPM consumption patterns for future forecasting.

4

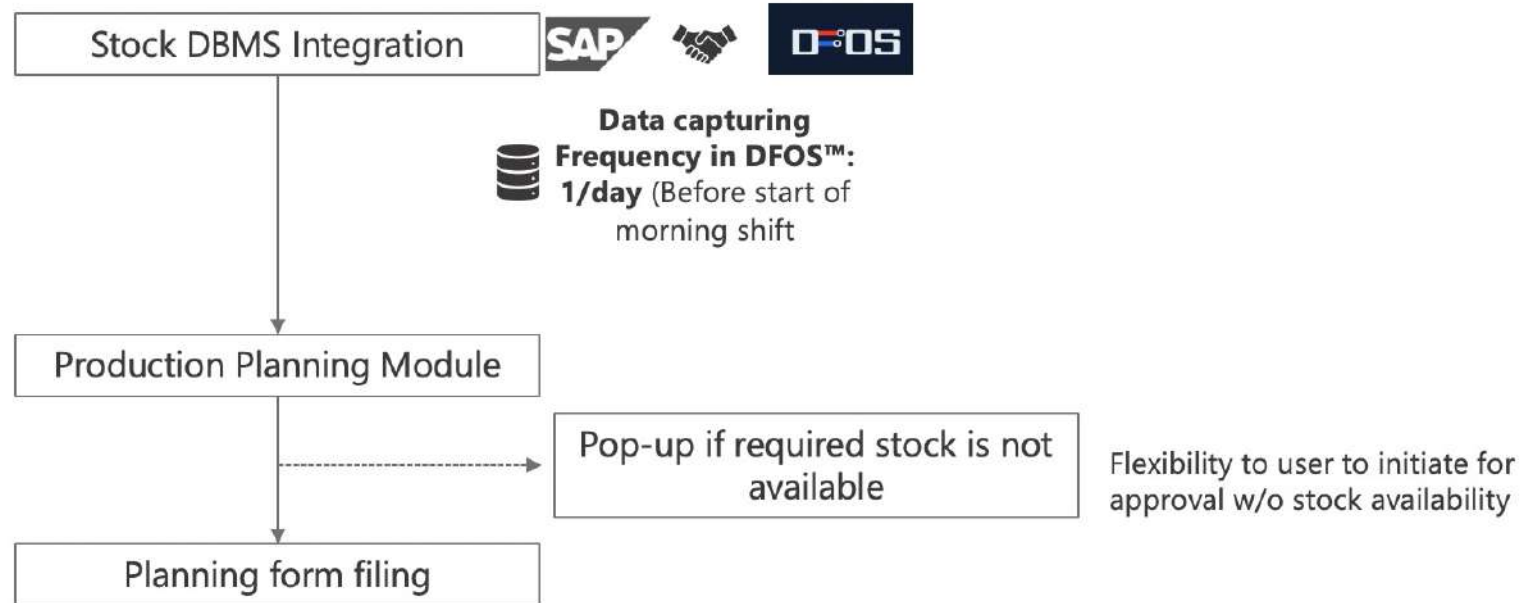
**Dependency on High Skilled manpower for planning**

Planning done on manual judgement and excel calculation basis creates dependency on skilled manpower for the process.



Challenge

## Solution Design with SAP Integration



Results

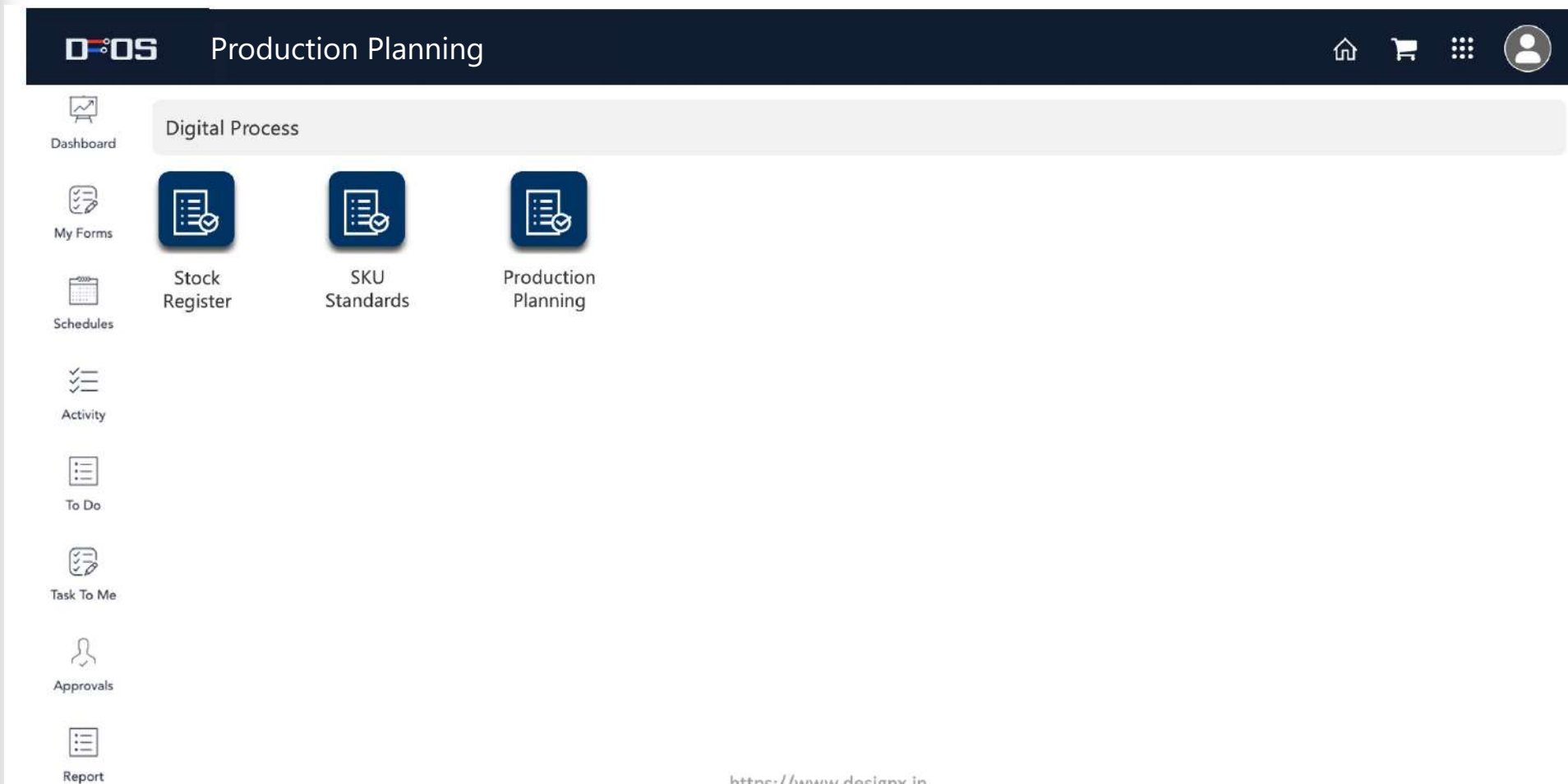
Wireframes



Solution

Challenge

# Landing Page



# Planning Page

Dashboard

My Forms

Schedules

Activity

To Do

Task To Me

Approvals

Report

Production Planning



Select View 

SUN	MON	TUE	WED	THU	FRI	SAT
	 1	 2	 3	 4	 5	 6
 7	 8	 9	 10	 11	 12	 13
 14	 15	 16	 17	 18	 19	 20
 21	 22	 23	 24	 25	 26	 27

Production planning form submission link via calendar view.

<https://www.designx.in>

Wireframes

Solution

Challenge

<https://www.designx.in>

# Planning Form

Dashboard

My Forms

Schedules

Activity

To Do

Task To Me

Approvals

Production Planning

Home

Shopping Cart

Grid

User

SUN

MON

TUE

WED

SAT

	1	2	3	6
7	8	9	10	13
14	15	16	17	20
21	22	23	24	27

Planning Form

0%100%

Select SKU

From Date

To Date

Planned Quantity (Nos)

CancelSubmit

Select View

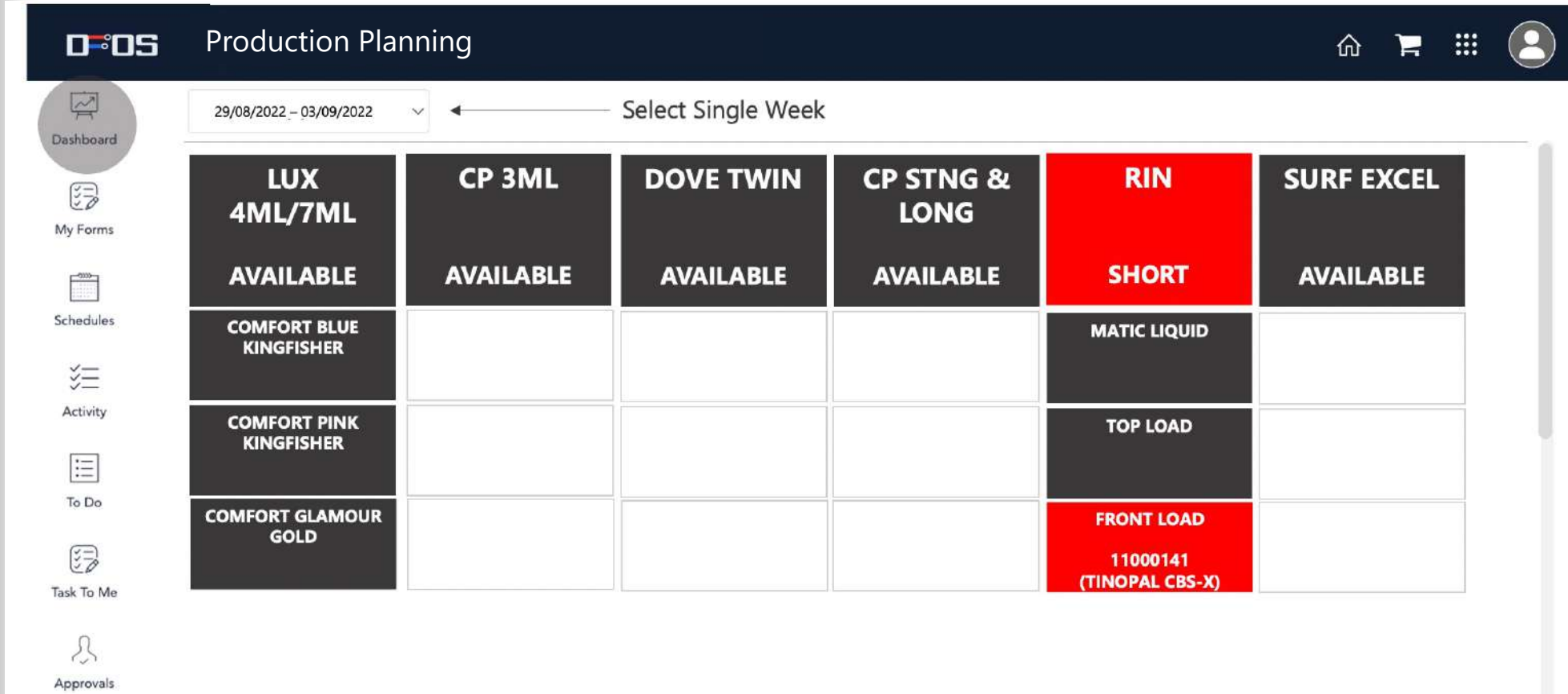
Wireframes

Solution

Challenge

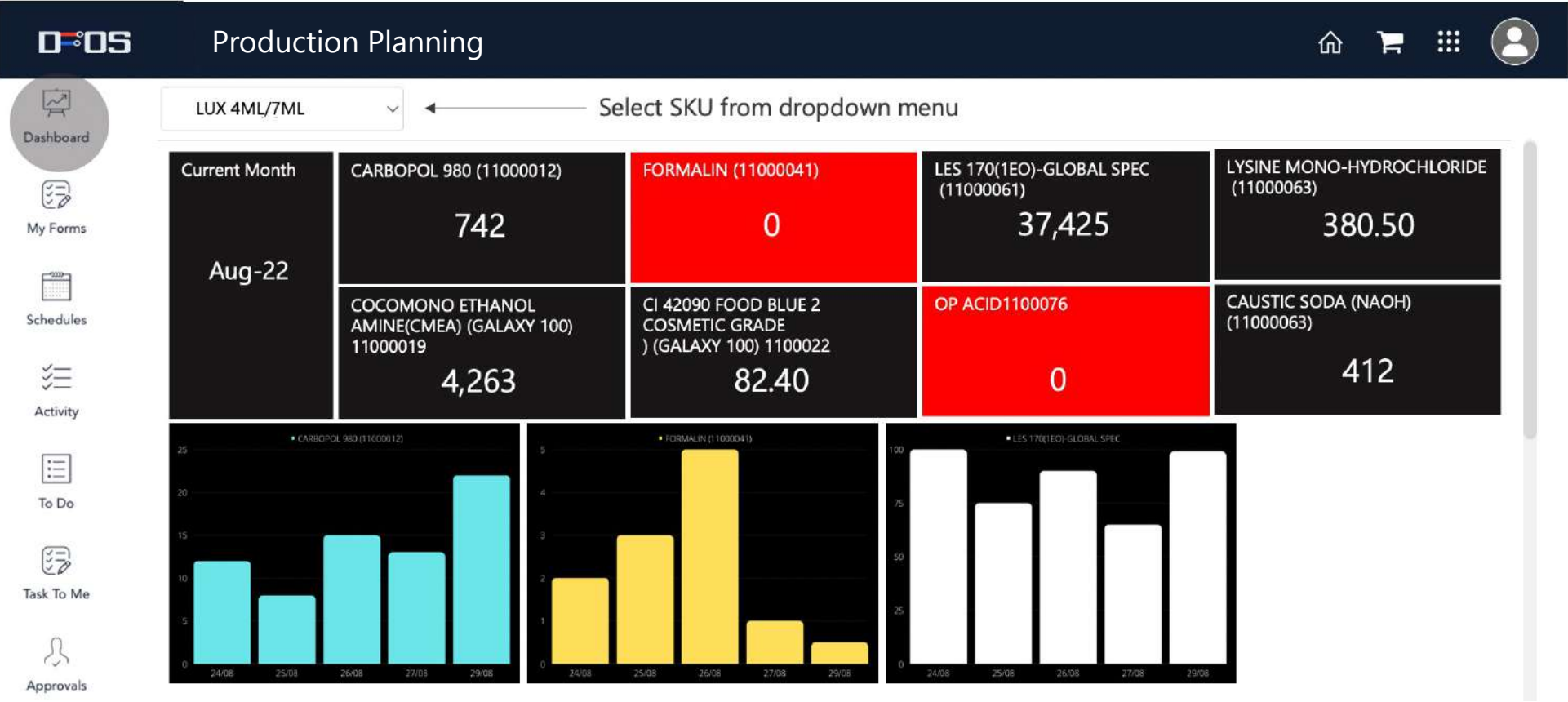
<https://www.designx.in>

# Live Dashboard



System will trigger auto alerts (In-App & email) in case of exceptions.

# Stock Dashboard




Wireframes


Solution


Challenge





# Planning Report


Dashboard


My Forms


Schedules





Activity

To Do

Task To Me

Approvals

Production Planning



## RM REQUIREMENT REPORT

Date

MM/DD/YYYY

SKU

Model

Apply

Export to Excel

S.NO	Code	Item Type	Item Description	LUX 4ML/7ML	CP 3ML	SS JASMINE	STOCK	TOTAL REQ	DIFFERENCE
1	11000012	RM	CARBOPOL 980	2.8		2.5	742		
2	11000019	RM	COCOMONO ETHANOL AMINE(CMEA) (GALAXY 100	93.5	110	81	4263		
3	11000022	RM	CI 42090 FOOD BLUE 2 COSMETIC GRADE	0.476	0.325		82.4		
5	11000041	RM	FORMALIN						
6	11000061	RM	LES 170(1EO)-GLOBAL SPEC	1120	898.55	970	37485		
7	11000063	RM	LYSINE MONO-HYDROCHLORIDE	0.560	0.5	0.5	380.50		
8	11000014	RM	CAUSTIC SODA (NAOH)	1.68	0.05	1.5	412		



Wireframes

Solution

Challenge

# Results

## Tangible

100%

Realtime Stock &  
Plan monitoring

**-10X**  
Less time needed for  
planning.

Dependency on high  
skilled resource  
reduced.

## In-tangible

Dependency on high skilled  
resource reduced.

**6X**

Faster communication and  
business actions due to real  
time alerts and notifications.

## Savings

**15.0  
LAKH PA**

Considering 2  
manpower allocated  
for planning &  
monitoring.



Results

Wireframes

Solution

Challenge