

The IBM logo is displayed in white text on a blue arrow-shaped background. The arrow points to the right and is positioned to the left of the main title.

SPRINT 2 REPORT

SMARTFARMER – IoT ENABLED
SMART FARMING APPLICATION

TEAM ID – PNT2022TMID28579

- **TEAM LEADER : SHANMUGAM B**
- **TEAM MEMBER : SHREEDHAREN M**
- **TEAM MEMBER : SELVARAJ S**
- **TEAM MEMBER : SREEDHAR M**

Project Tracker

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	15	5 Days	26 Oct 2022	30 Oct 2022	15	30 Oct 2022
Sprint-2	15	7 Days	31 Oct 2022	06 Nov 2022	15	07 Nov 2022
Sprint-3	15	6 Days	07 Nov 2022	12 Nov 2022		13 Nov 2022
Sprint-4	15	6 Days	13 Nov 2022	18 Nov 2022		18 Nov 2022 – 19 Nov 2022

WORKDONE IN DASHBOARD :

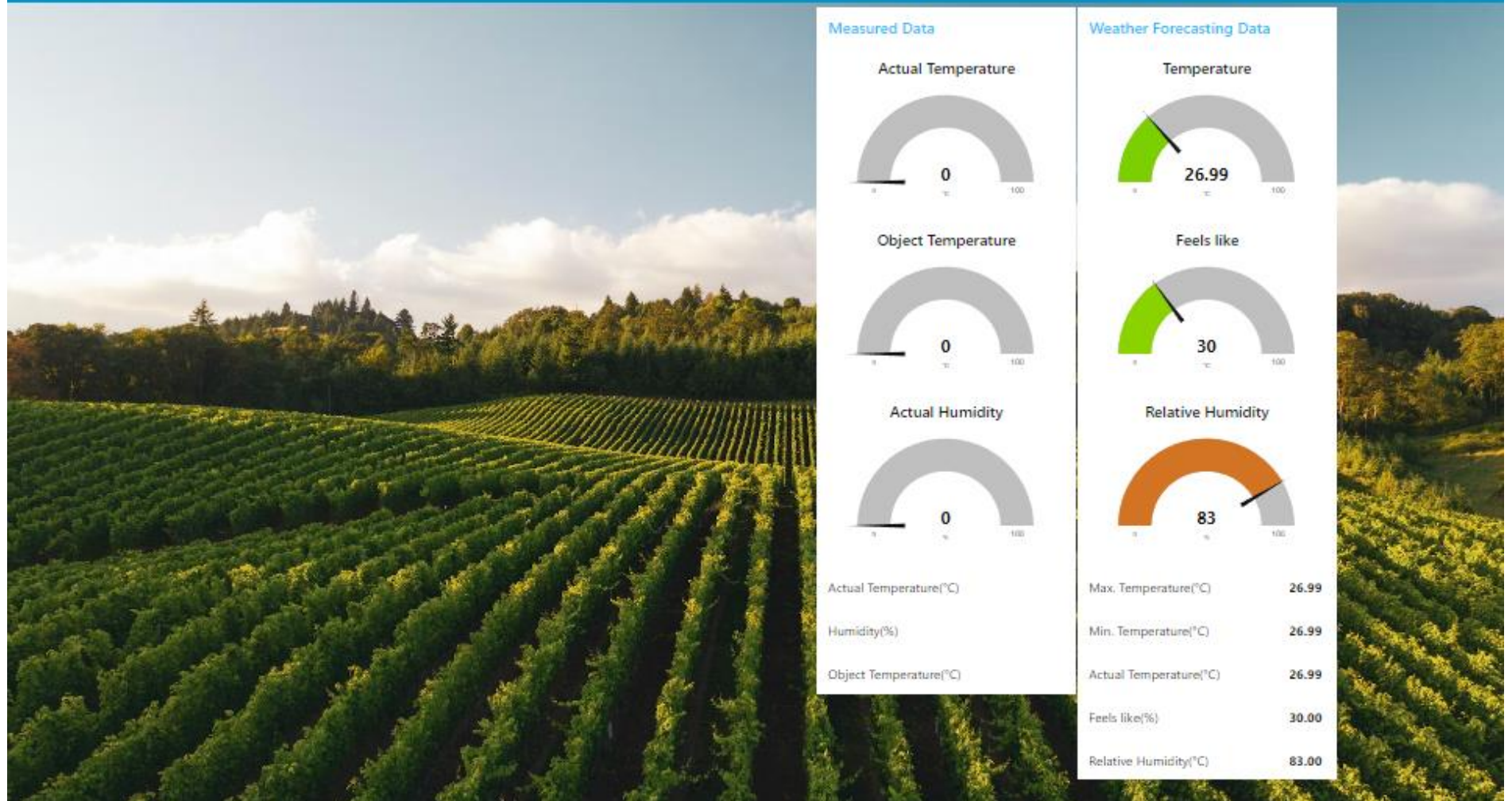
As per user stories, we created a dashboard with data is represented in graphical representation with organized section in separate widget for better user understanding.

DEVICES ESTIMATION :

- Temperature and Humidity Sensor
- Soil Moisture Sensor

Above sensor are used for sensing some parameters.





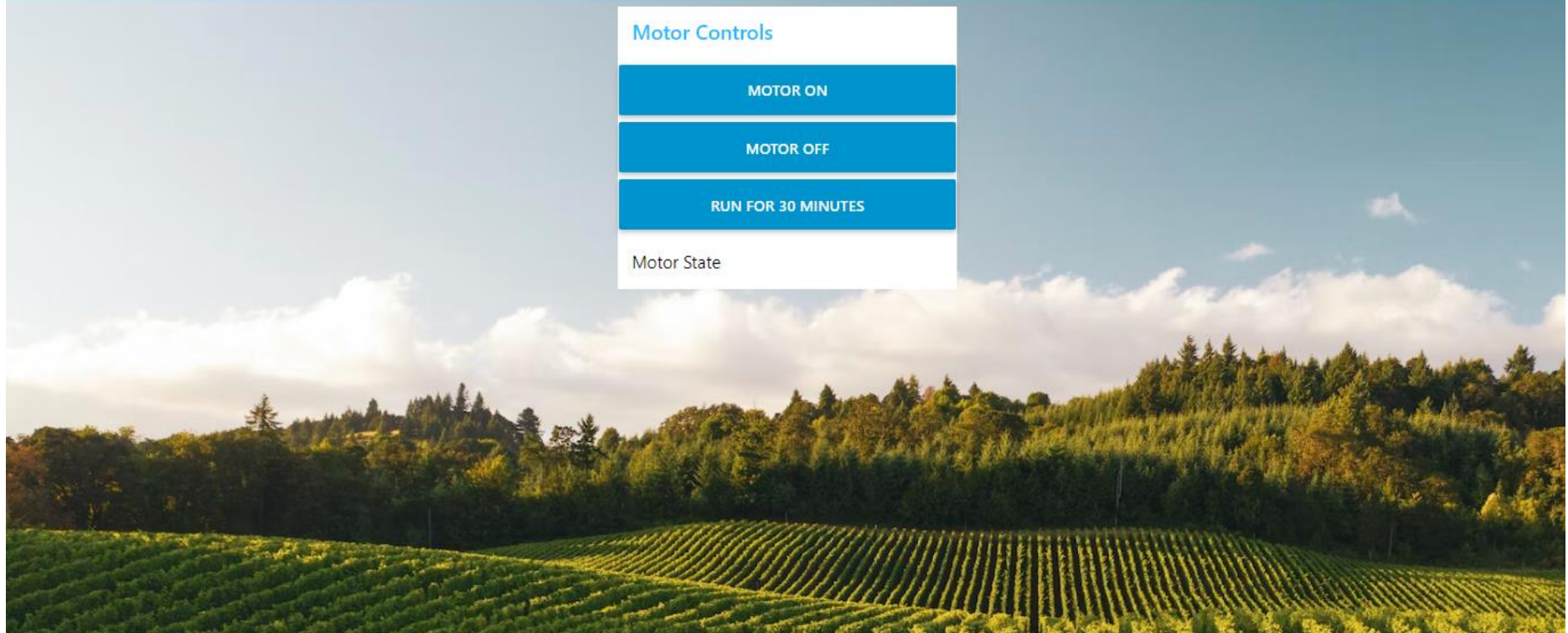
Motor Controls

MOTOR ON

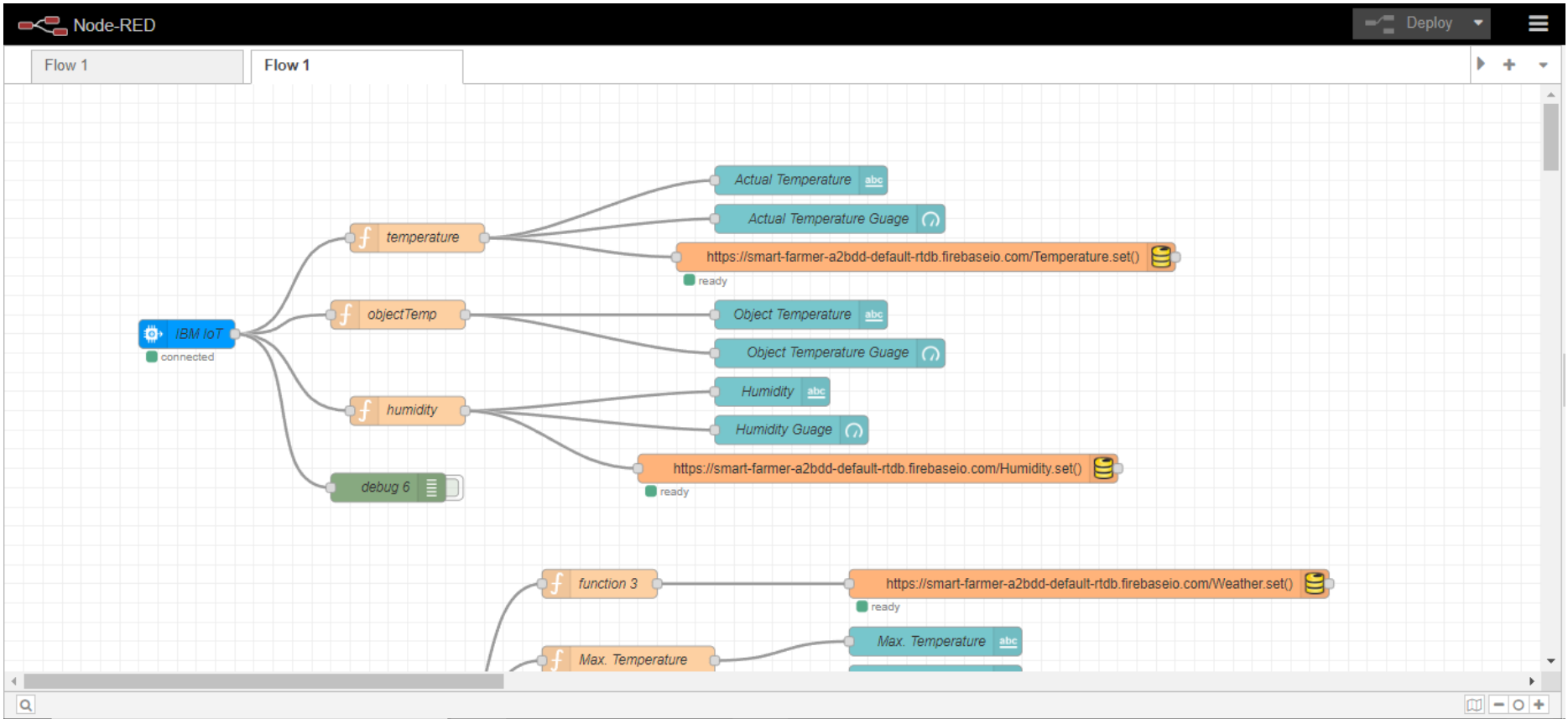
MOTOR OFF

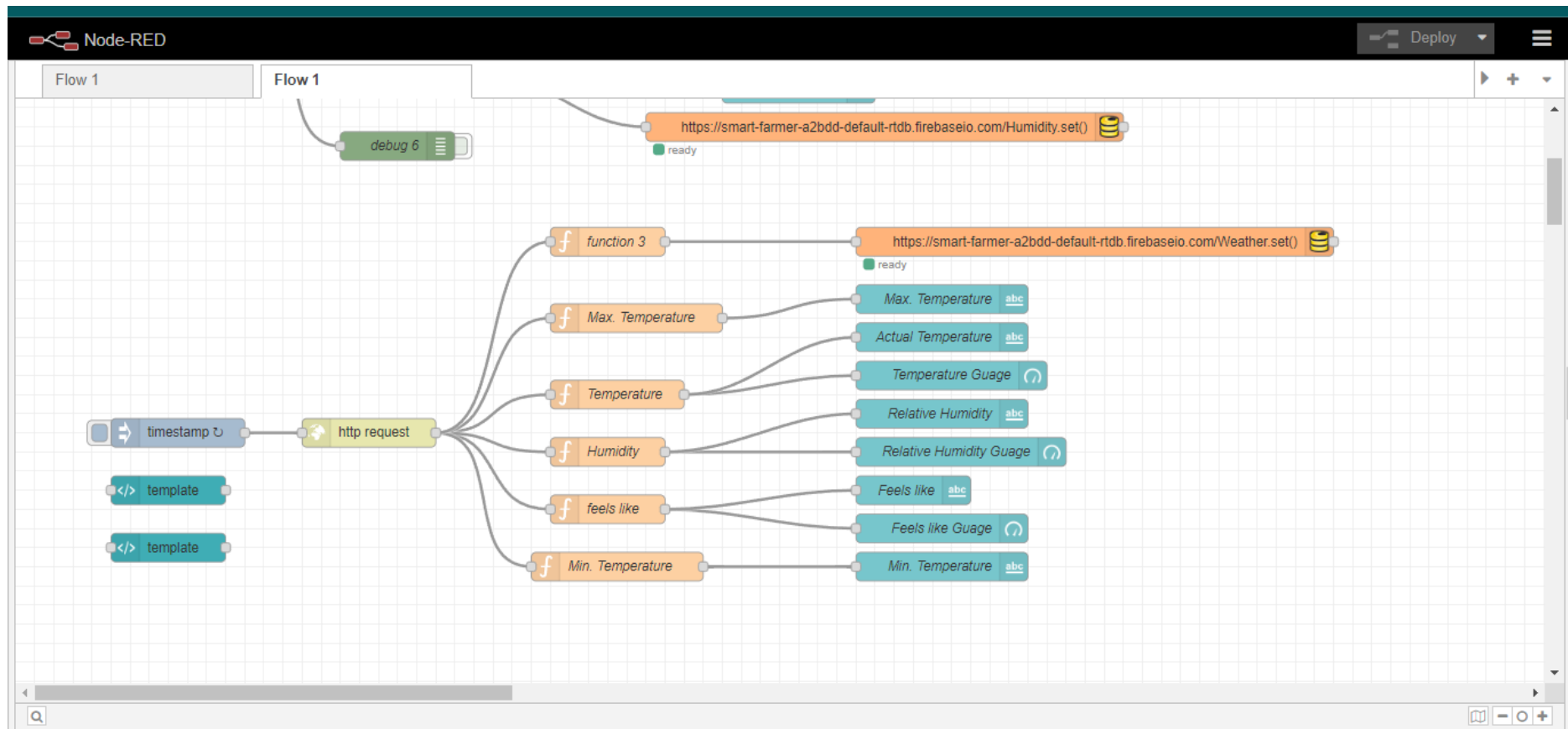
RUN FOR 30 MINUTES

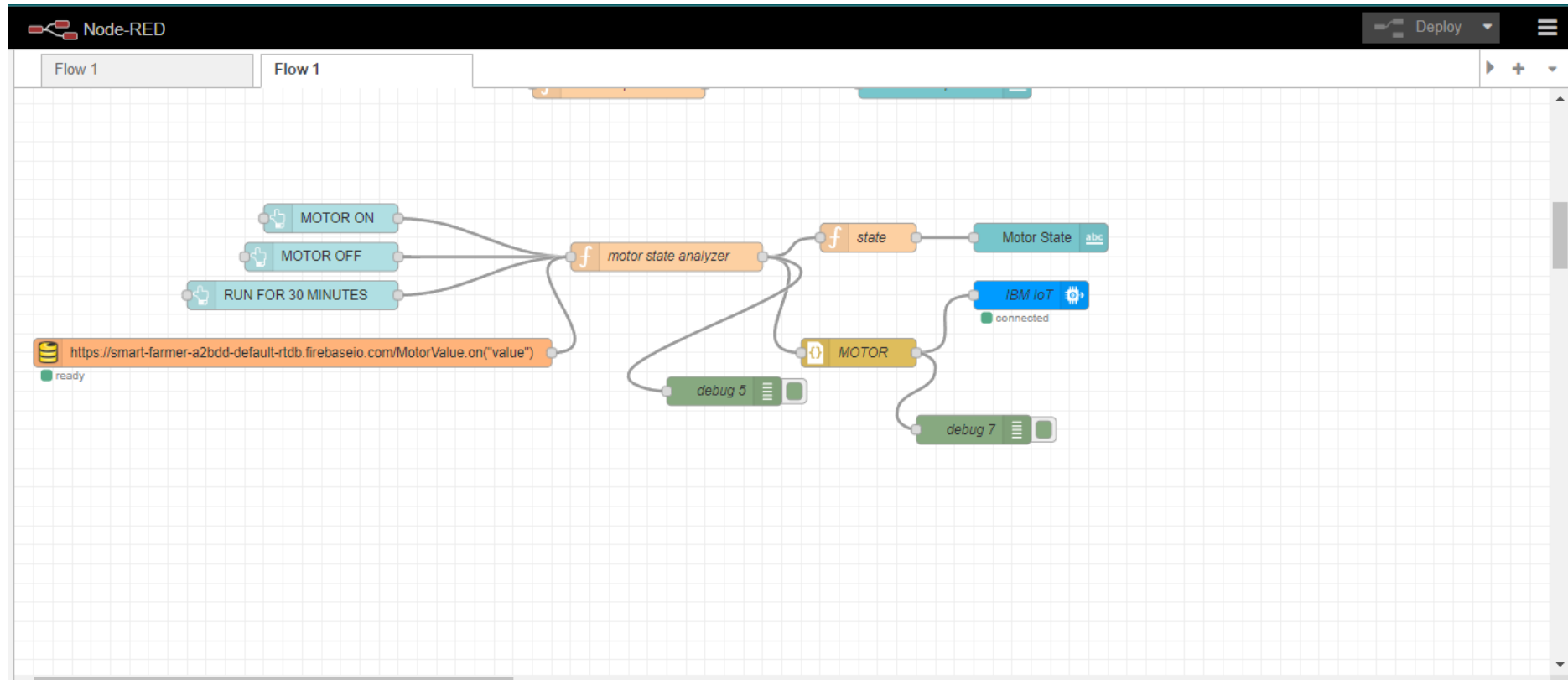
Motor State



Node Red Connection:





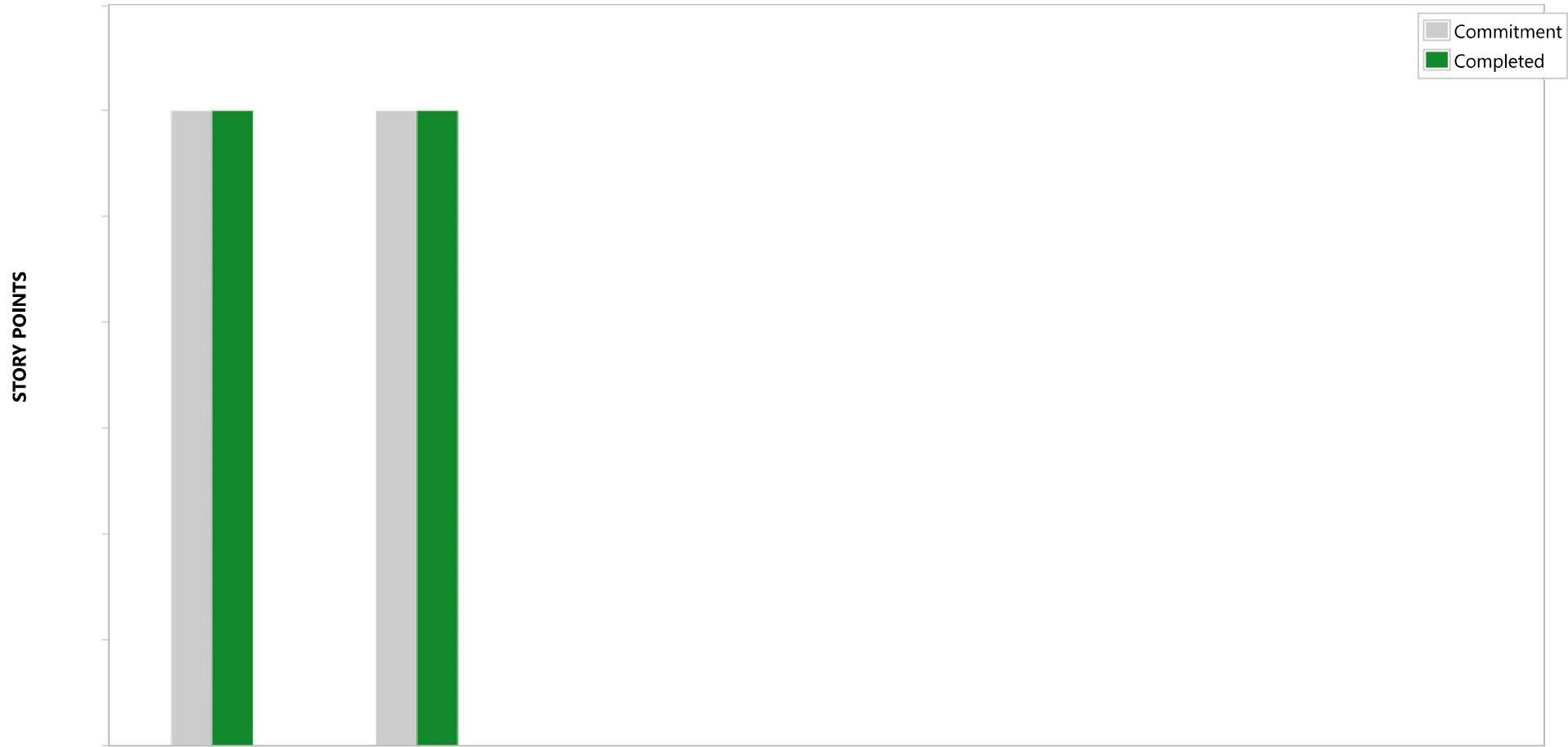
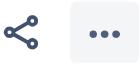


Reports like Velocity Report, Burndown Report are attached below

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Projects / Smart Farmer Development Phase / SFDP board / Reports

Velocity Chart

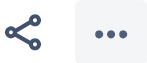


Sprint	Commitment	Completed
SFDP Sprint 1	15	15
SFDP Sprint 2	15	15

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Projects / Smart Farmer Development Phase / SFDP board / Reports

Burndown Chart

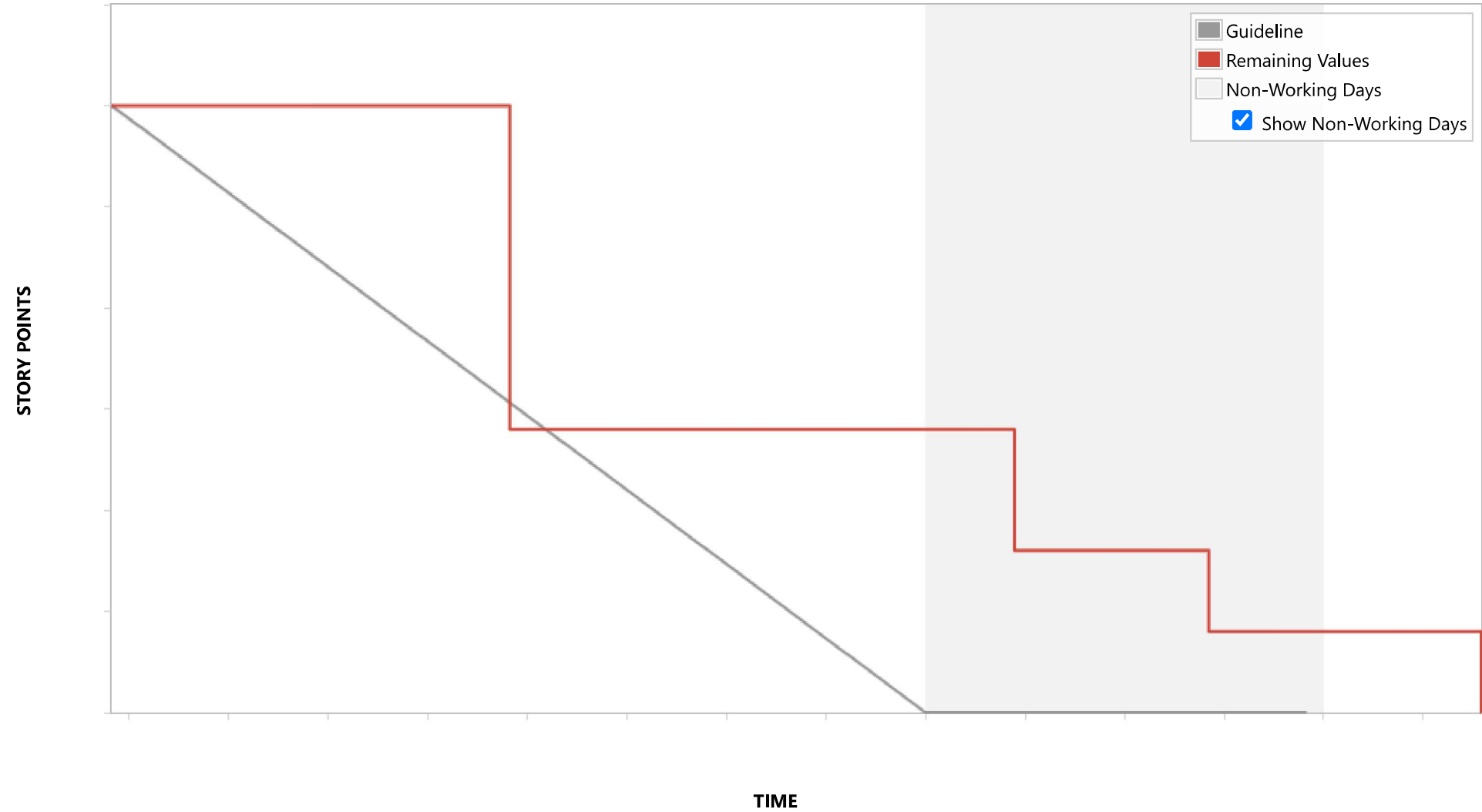


SFDP Sprint 2

Story Points ▾







Create Hardware working model and Node-red Connection





31/Oct/22 9:56 PM	SFDP-14 SFDP-15 SFDP-16 SFDP-18 SFDP-19	Sprint start		3 3 5 2 2		15
02/Nov/22 9:56 PM	SFDP-16	Burndown	Issue completed		5	10
	SFDP-15	Burndown	Issue completed		3	7
05/Nov/22 10:42 AM	SFDP-14	Burndown	Issue completed		3	4
06/Nov/22 10:08 AM	SFDP-18	Burndown	Issue completed		2	2
07/Nov/22 6:59 PM	SFDP-19	Burndown	Issue completed		2	0
	SFDP-14 SFDP-15 SFDP-16 SFDP-18 SFDP-19	Sprint ended by shanmugam				0 0 0 0 0 0

SFDP Sprint 2

 Work scope  Scope projection
 Completed Work
 Guideline

The graph illustrates the cumulative story points over a seven-day period. The Y-axis represents 'STORY POINTS' from 0 to 14, and the X-axis represents 'TIME' from Nov 1 to Nov 7. A grey line shows a linear trend, while a green step-line shows the actual cumulative story points. A grey shaded region highlights the period from Nov 4 to Nov 6.

Time	Linear Trend (Grey)	Cumulative Story Points (Green)
Nov 1	1.43	0
Nov 2	2.86	0
Nov 2 (end)	4.29	8
Nov 3	5.71	8
Nov 4	7.14	8
Nov 4 (end)	8.57	8
Nov 5	10.00	11
Nov 6	11.43	13
Nov 7	12.86	15

Date	Event Type	Issue	Completed Work	Work scope
31/Oct/22 9:56 PM	Sprint started	SFDP-14 Organised widget section SFDP-15 Graphical / Pictorial Representation for app and web ui SFDP-16 Single Widget Representation SFDP-18 Least Devices and Better Output SFDP-19 Low cost setup	0	15



2/Nov/22 9:56 PM	Issue completed	SFDP-15 Graphical / Pictorial Representantion for app and web ui	5 → 8	15
5/Nov/22 10:42 AM	Issue completed	SFDP-14 Organised widget section	8 → 11	15
6/Nov/22 10:08 AM	Issue completed	SFDP-18 Least Devices and Better Output	11 → 13	15
7/Nov/22 6:59 PM	Issue completed	SFDP-19 Low cost setup	13 → 15	15
7/Nov/22 6:59 PM	Sprint finished	SFDP-14 Organised widget section SFDP-15 Graphical / Pictorial Representantion for app and web ui SFDP-16 Single Widget Representation SFDP-18 Least Devices and Better Output SFDP-19 Low cost setup	15	15



Your work ▾

Projects ▾

Filters ▾

Dashboards ▾

People ▾

Apps ▾



Projects / Smart Farmer Development Phase / SFDP board / Reports

Sprint Report

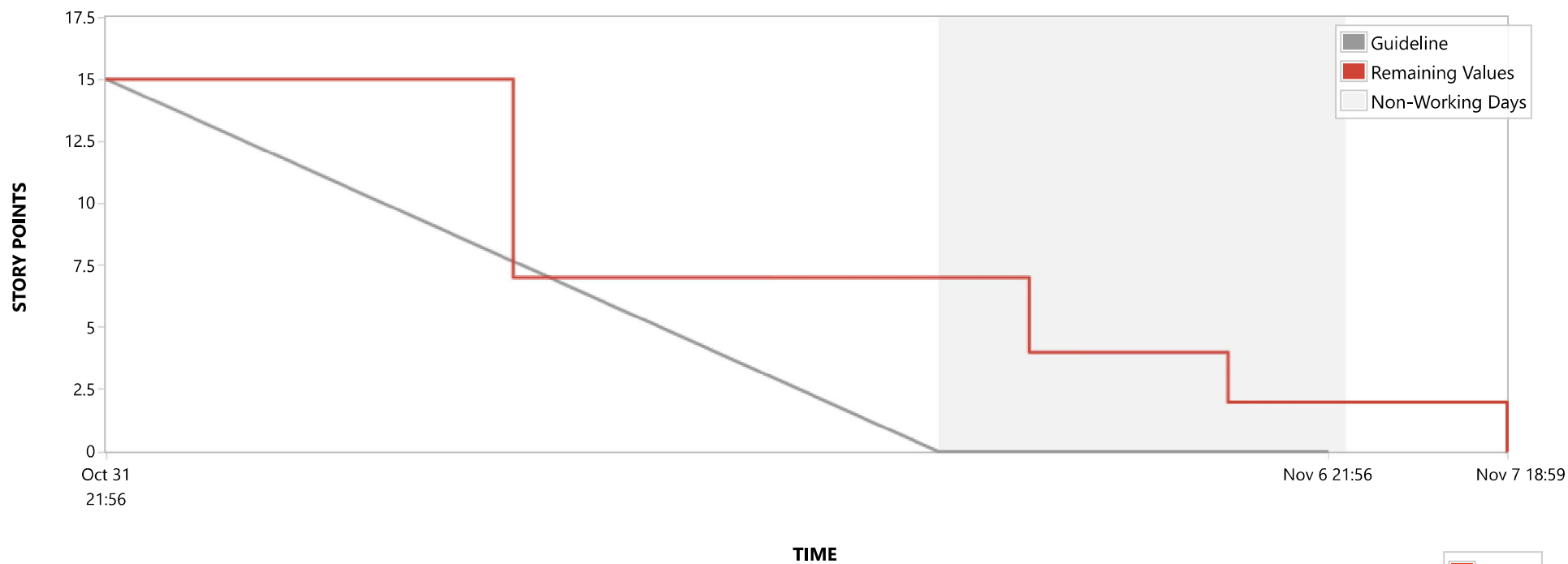


SFDP Sprint 2



Closed sprint, ended by shanmugam 31/Oct/22 9:56 PM - 07/Nov/22 6:59 PM [View linked pages](#)

Create Hardware working model and Node-red Connection



Opsgenie alerts



[Give feedback](#)



ALERT



Connect an Opsgenie team in project settings to start syncing alert data. [Go to project settings](#)

Oct 31

Nov 06



Your work ▾

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People ▾

Apps ▾













Status Report



Completed Issues

View in Issue Navigator

Key	Summary	Issue Type	Priority	Status	Story Points (15)
SFDP-14	Organised widget section	 Story	 Highest	DONE	3
SFDP-15	Graphical / Pictorial Representantion for app and web ui	 Story	 Low	DONE	3
SFDP-16	Single Widget Representation	 Story	 Medium	DONE	5
SFDP-18	Least Devices and Better Output	 Story	 Highest	DONE	2
SFDP-19	Low cost setup	 Story	 Highest	DONE	2

