

The IBM logo is displayed in white text on a blue arrow-shaped background, which is part of a larger blue horizontal bar. To the left of this bar is a thick, dark blue vertical bar. In the bottom-left corner, there are several thin, dark blue curved lines that sweep upwards and to the right, resembling stylized grass or abstract brushstrokes.

IBM

# SPRINT 2 REPORT

SMARTFARMER – IoT ENABLED  
SMART FARMING APPLICATION

**TEAM ID – PNT2022TMID28579**

- **TEAM LEADER : SENDHIL KANNAN**
- **TEAM MEMBER : VAILANGARI MEERA**
- **TEAM MEMBER : THARUN TEJA**
- **TEAM MEMBER : VINAY**

## Project Tracker

<b>Sprint</b>	<b>Total Story Points</b>	<b>Duration</b>	<b>Sprint Start Date</b>	<b>Sprint End Date (Planned)</b>	<b>Story Points Completed (as on Planned End Date)</b>	<b>Sprint Release Date (Actual)</b>
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

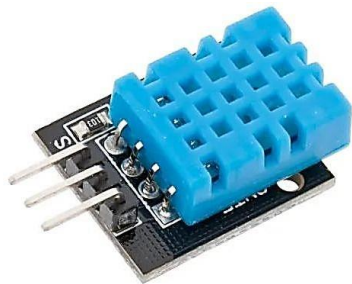
## WORKDONE IN DASHBOARD :

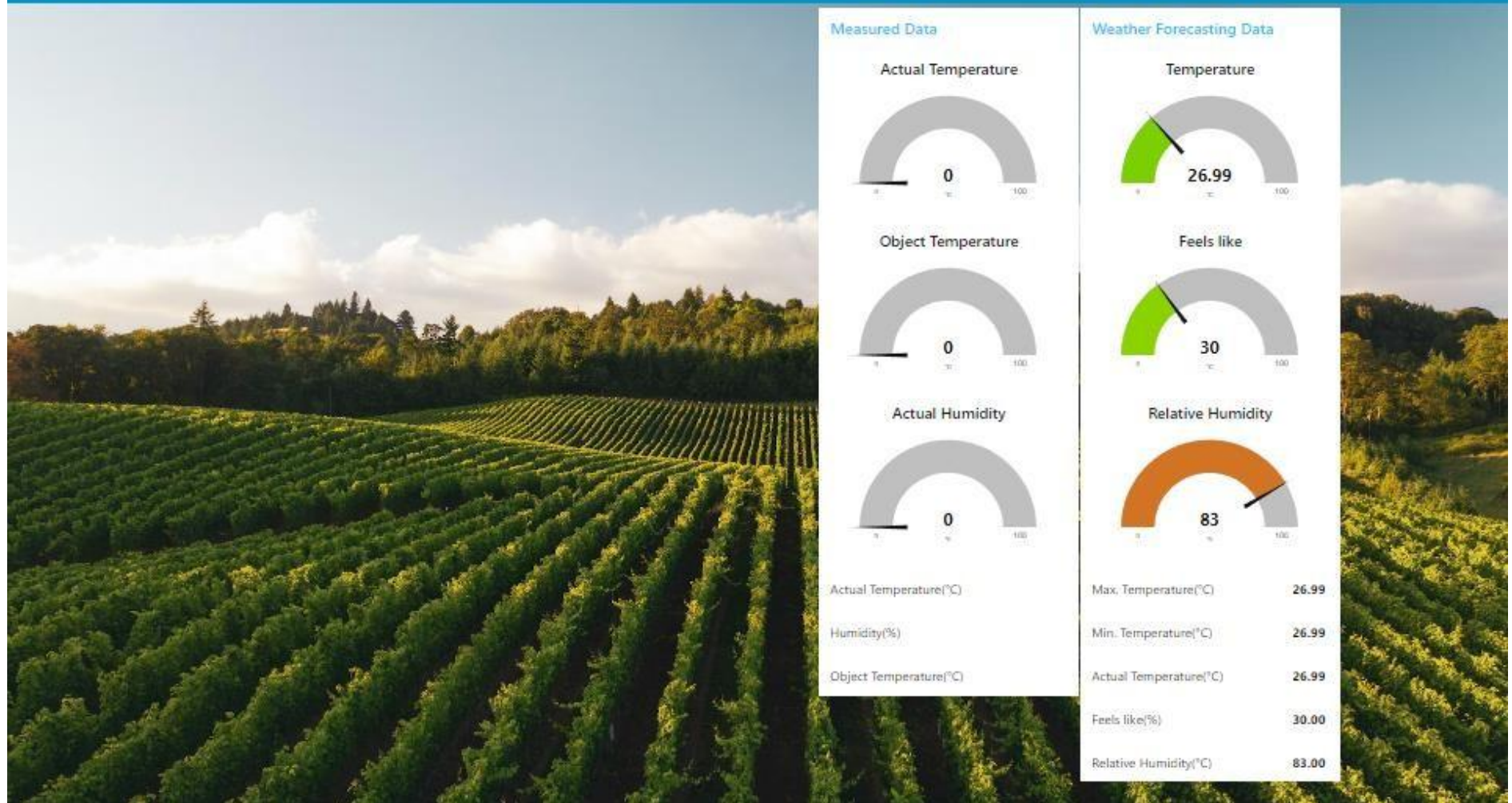
As per user stories, we created a dashboard with data is represented in graphical representation with organized section in separate widget for better user understanding.

## DEVICES ESTIMATION :

- Temperature and Humidity Sensor
- Soil Moisture Sensor

Above sensor are used for sensing some parameters.





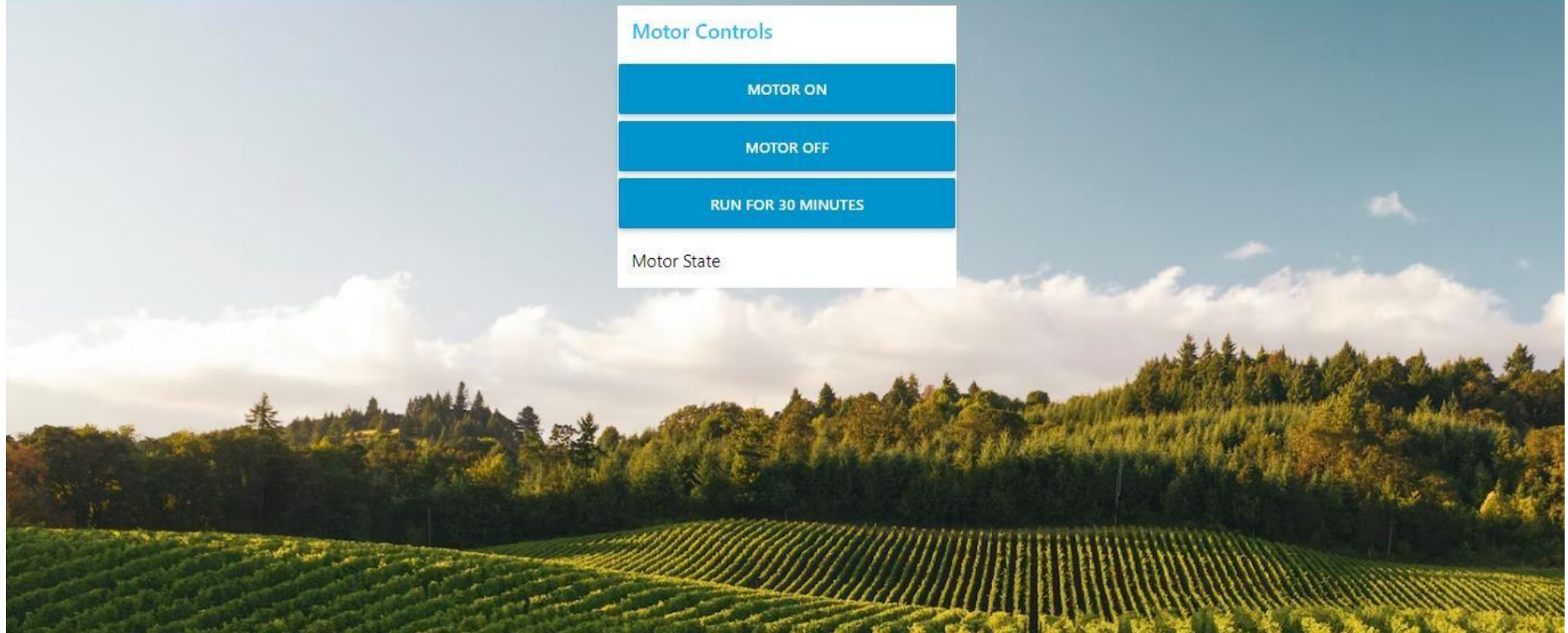
### Motor Controls

MOTOR ON

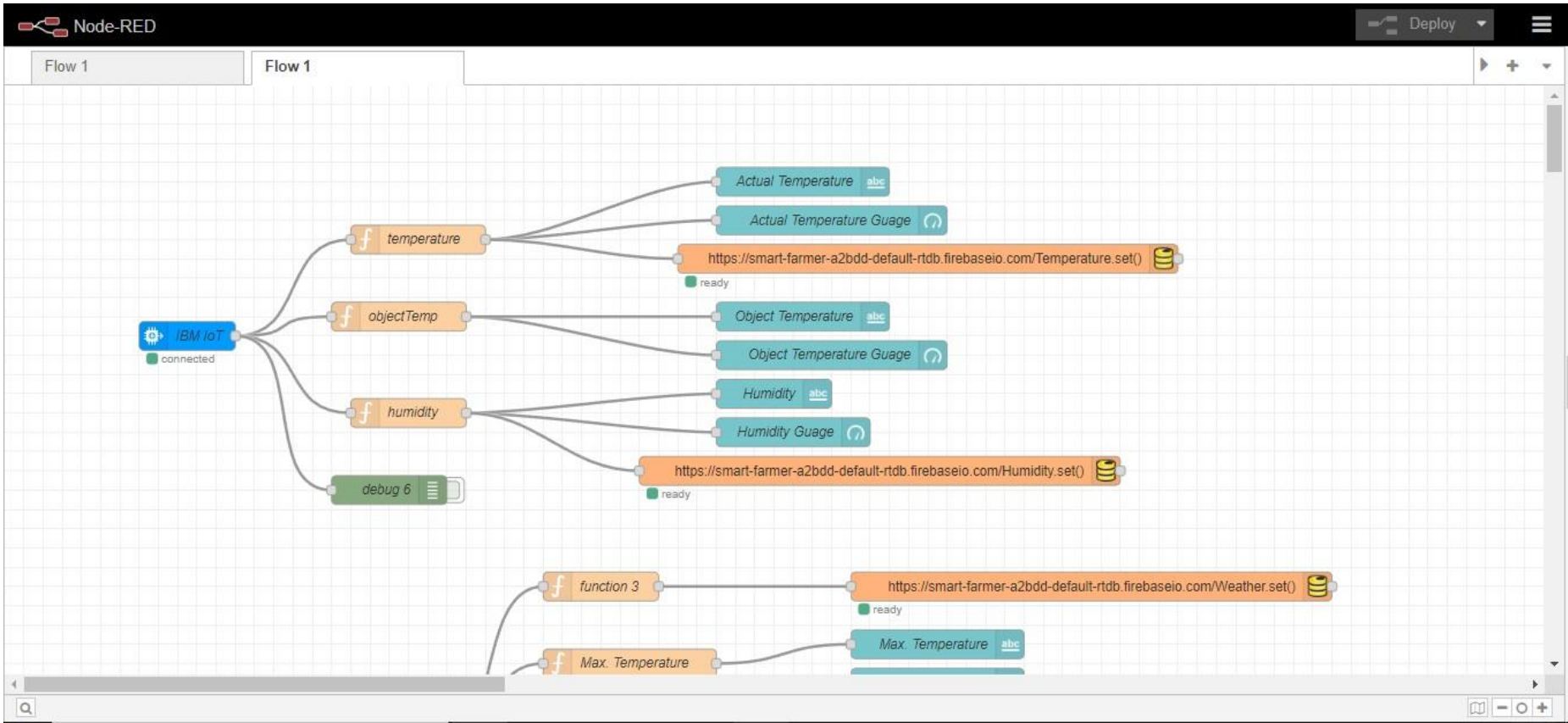
MOTOR OFF

RUN FOR 30 MINUTES

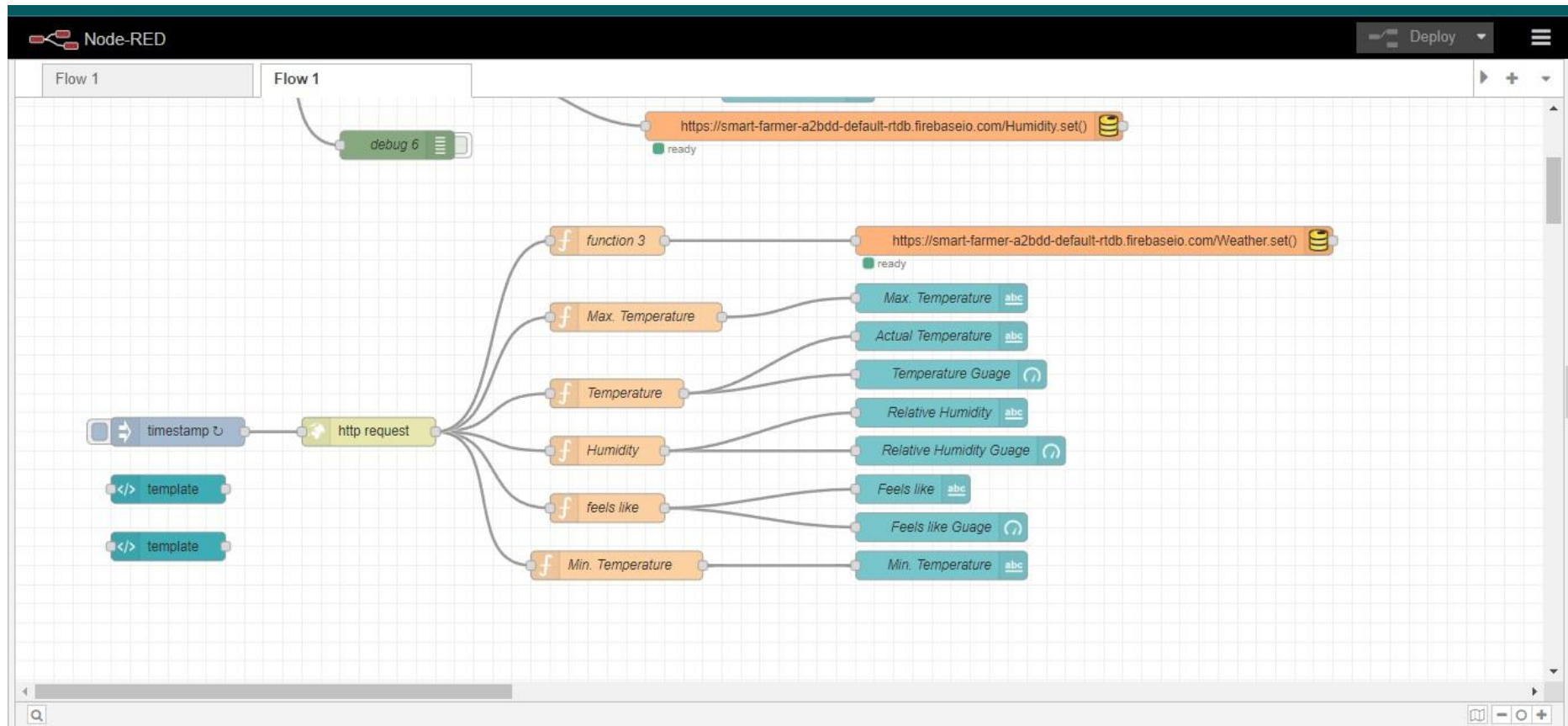
Motor State

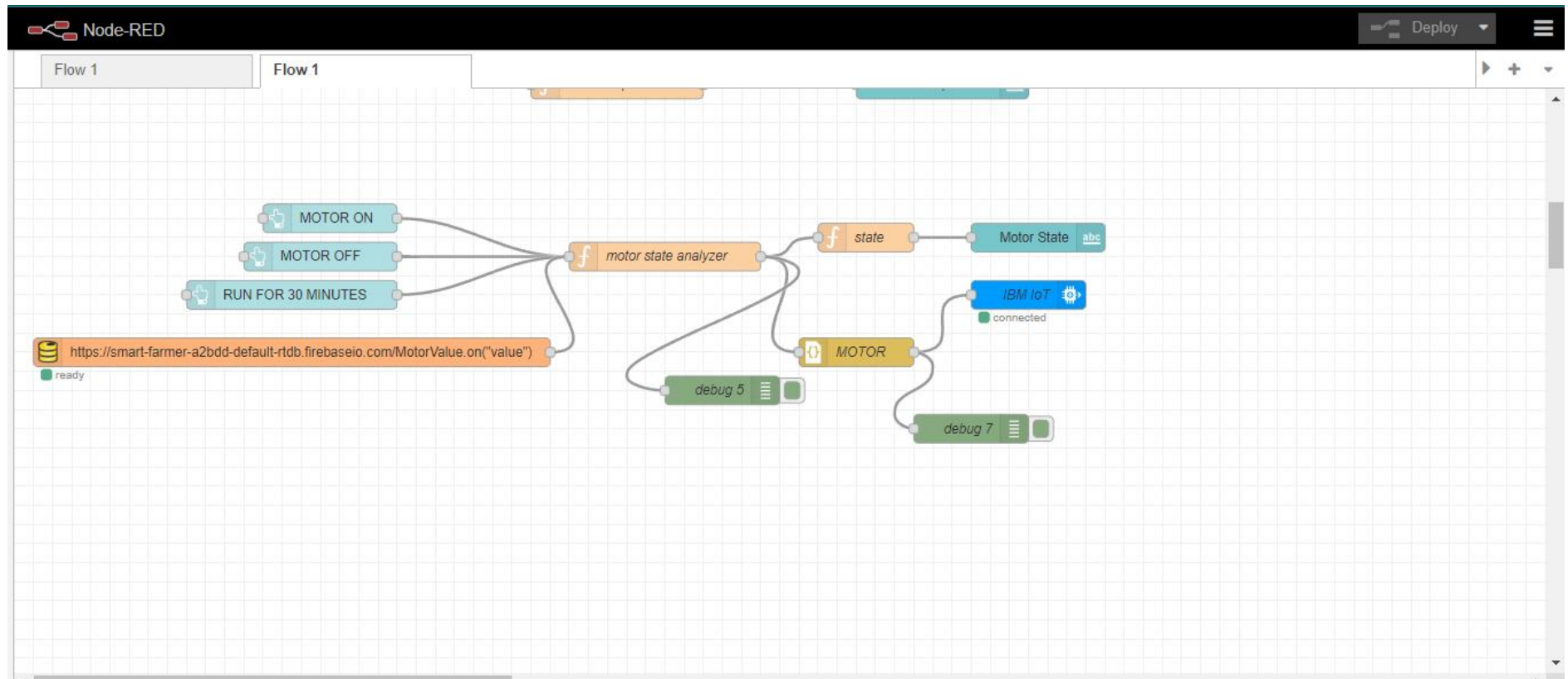


# Node Red Connection:









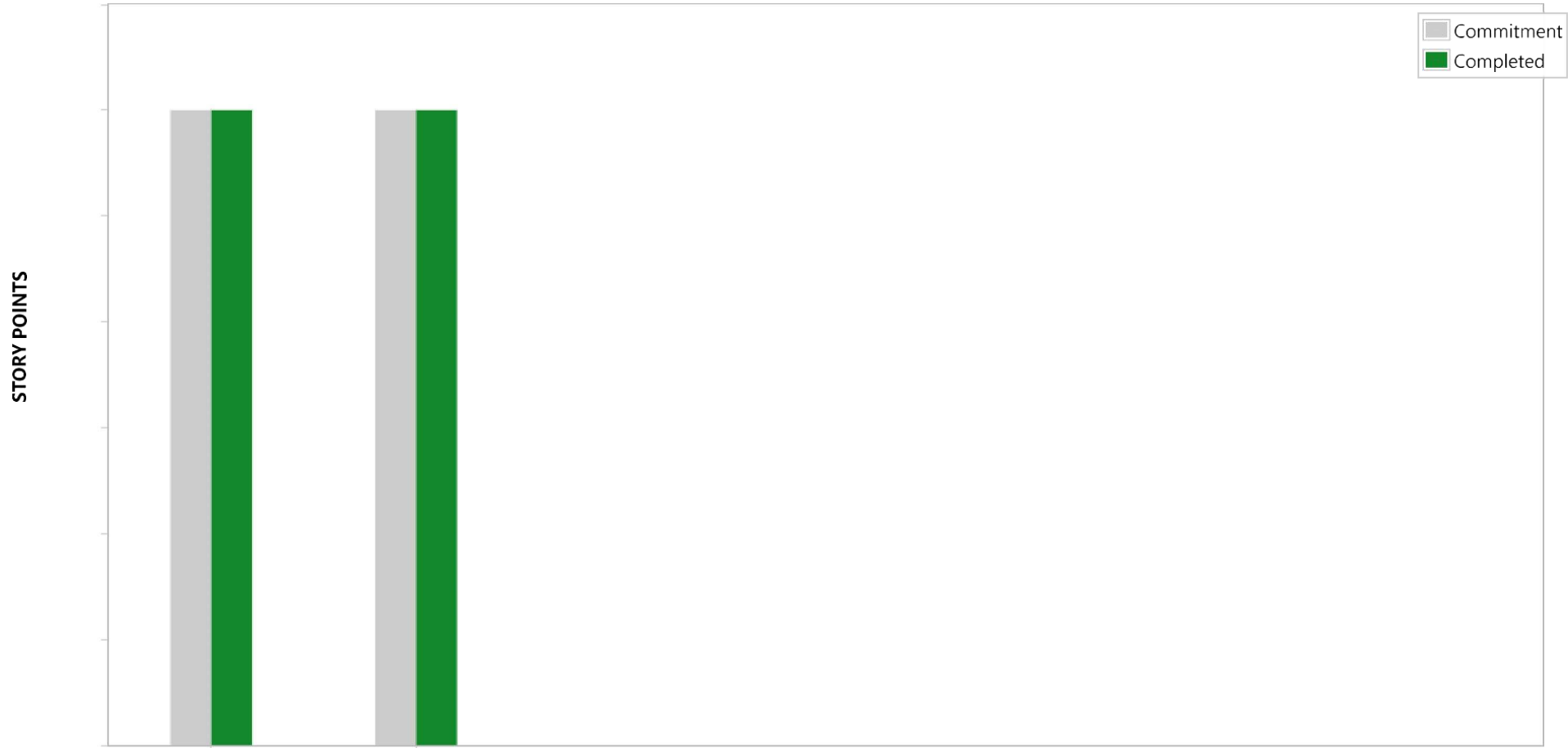
Reports like Velocity Report, Burndown Report are attached below



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Projects / Smart Farmer Development Phase / SFDP board / Reports

# Velocity Chart



Sprint	Commitment	Completed
SFDSPrint 1	15	15
SFDSPrint 2	15	15

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Projects / Smart Farmer Development Phase / SFDP board / Reports

# Burndown Chart

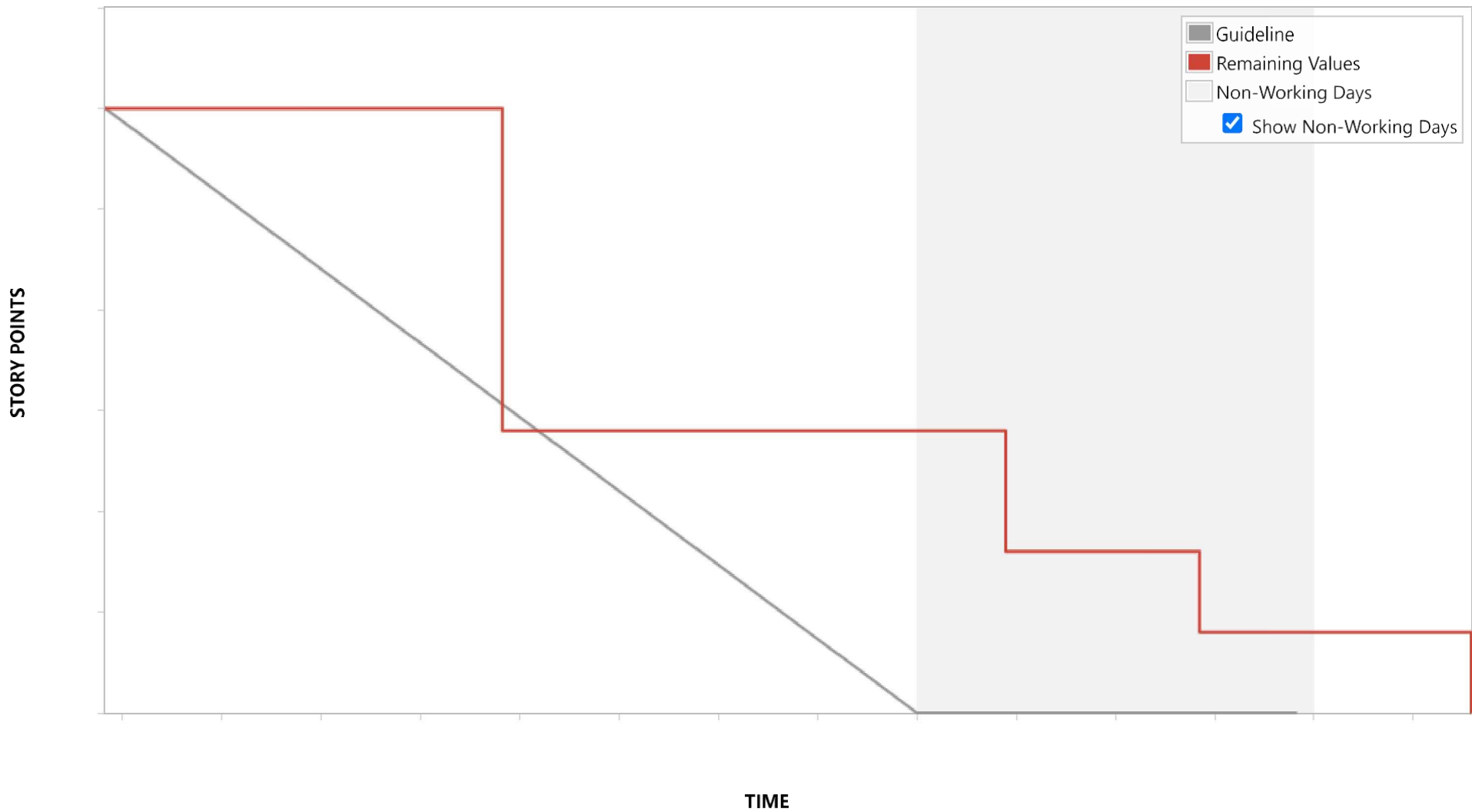


SFDP Sprint 2

Story Points ▼







Create Hardware working model and Node-red Connection





## SFDP Sprint 2

Story Points ▼

 Work scope     Scope projection  
 Completed Work  
 Guideline

The graph illustrates the cumulative work completed (green line) against a linear capacity (grey line) over a seven-day period. The Y-axis represents Story Points (0 to 14), and the X-axis represents Time (Nov 1 to Nov 7). A red line at the top indicates the total capacity of 15 story points. The green line shows the cumulative work completed, with steps at Nov 2 (5 points), Nov 5 (11 points), Nov 6 (13 points), and Nov 7 (15 points). A grey shaded region highlights the period from Nov 4 to Nov 6.5.

Time	Capacity (Red Line)	Linear Increase (Grey Line)	Cumulative Work Completed (Green Line)
Nov 1	15	2.5	0
Nov 2	15	5.0	5
Nov 3	15	7.5	5
Nov 4	15	10.0	5
Nov 5	15	12.5	11
Nov 6	15	15.0	13
Nov 7	15	17.5	15

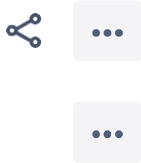
Date	Event Type	Issue	Completed Work	Work scope
31/Oct/22 9:56 PM	Sprint started	<a href="#">SFDP-14</a> Organised widget section <a href="#">SFDP-15</a> Graphical / Pictorial Representantion for app and web ui <a href="#">SFDP-16</a> Single Widget Representation <a href="#">SFDP-18</a> Least Devices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



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

Projects / Smart Farmer Development Phase / SFDP board / Reports

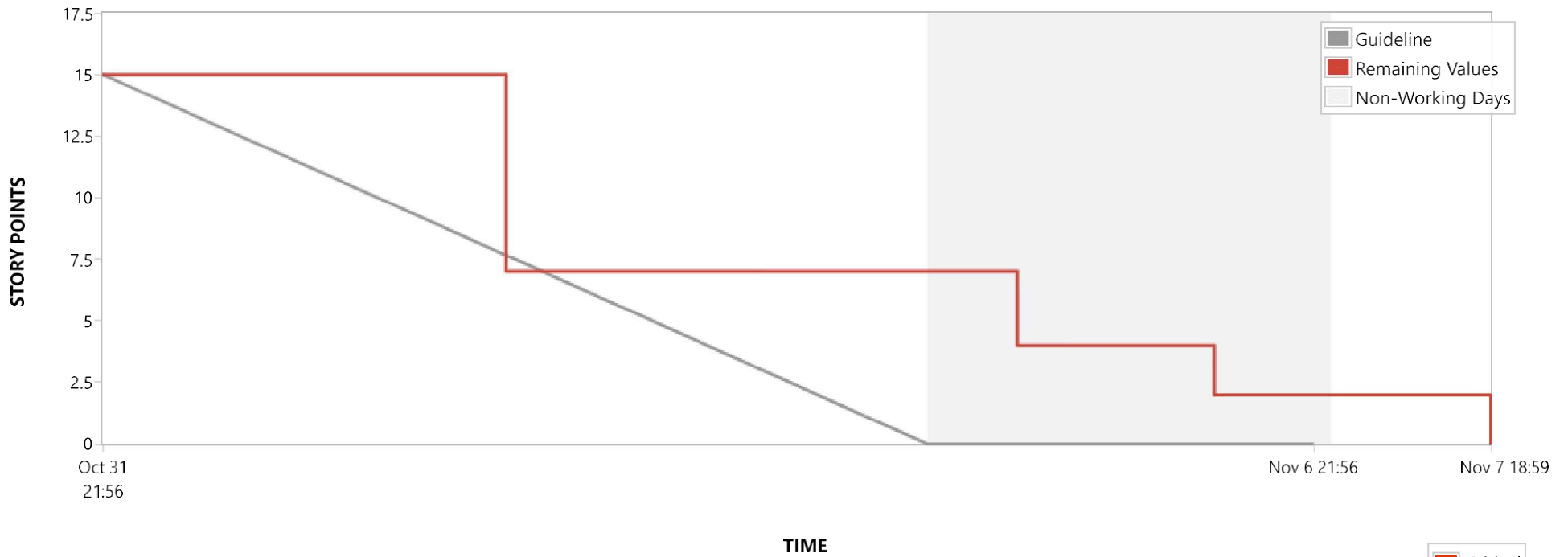
# Sprint Report



## SFDP Sprint 2

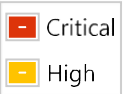
Closed sprint, ended by shanmugam 31/Oct/22 9:56 PM - 07/Nov/22 6:59 PM View linked pages

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 ▾

Projects ▾

Filters ▾

Dashboards ▾

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	<span>DONE</span>	3
SFDP-15	Graphical / Pictorial Representantion for app and web ui	 Story	 Low	<span>DONE</span>	3
SFDP-16	Single Widget Representation	 Story	 Medium	<span>DONE</span>	5
SFDP-18	Least Devices and Better Output	 Story	 Highest	<span>DONE</span>	2
SFDP-19	Low cost setup	 Story	 Highest	<span>DONE</span>	2

