

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.

IBM

# SPRINT 2 REPORT

IOT ENABLED SMART FARMING  
APPLICATION

**TEAM ID – PNT2022TMID20566**

**SOWNDHARYASREE.S  
SHREEYAZHINI.A  
RIDANYA.K  
SWETHA.P**

## 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

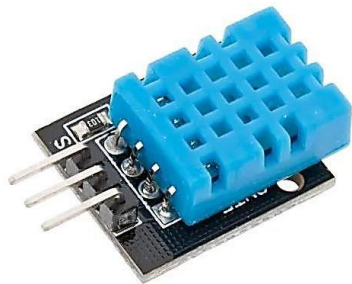
## WORKDONE IN DASHBOARD:

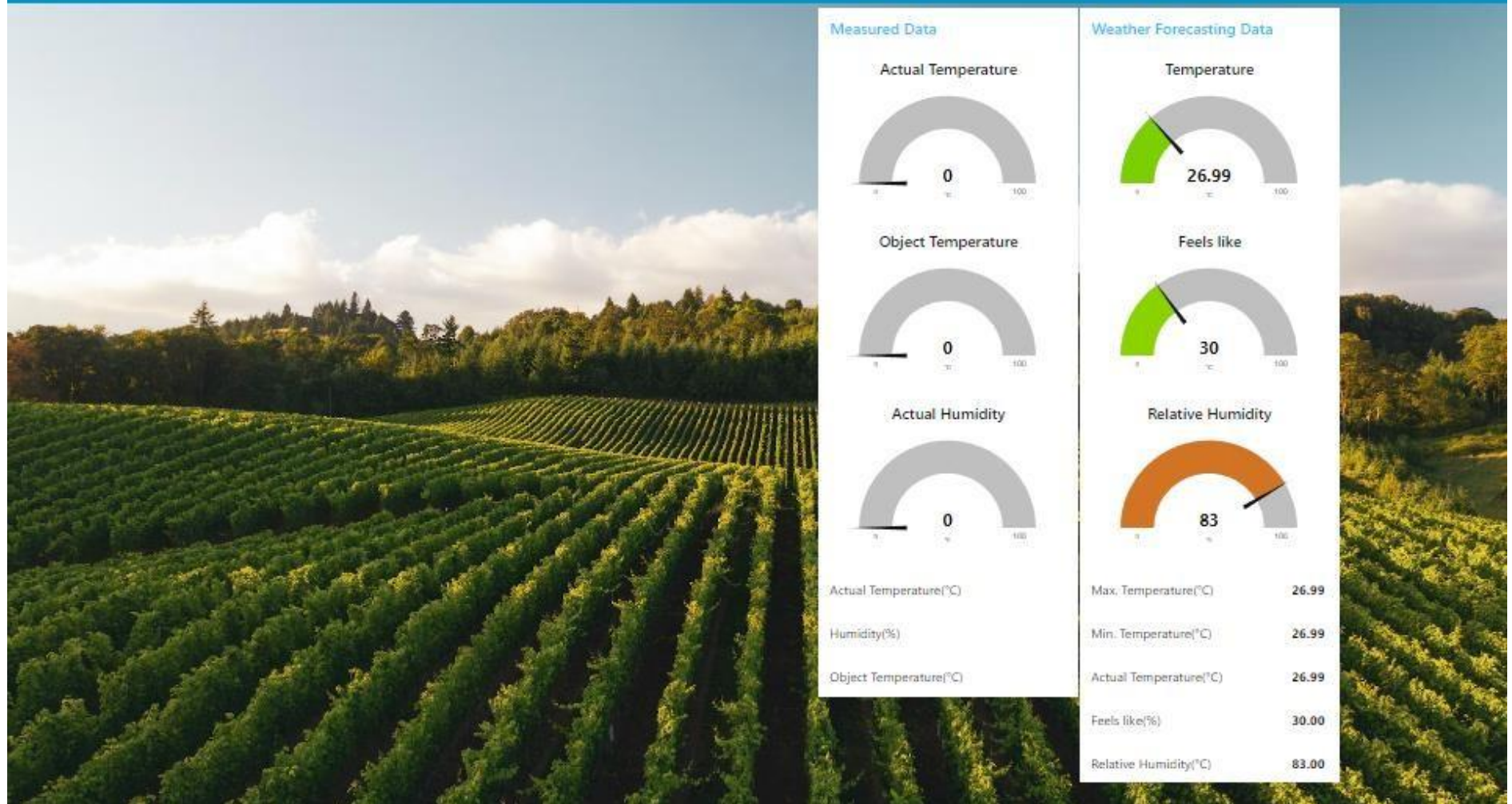
As per user stories, we created a dashboard with data is represented in graphical representation with organized section in separate widget for better user understanding.

## DEVICES ESTIMATION:

- Temperature and Humidity Sensor
- Soil Moisture Sensor

Above sensor are used for sensing some parameters.





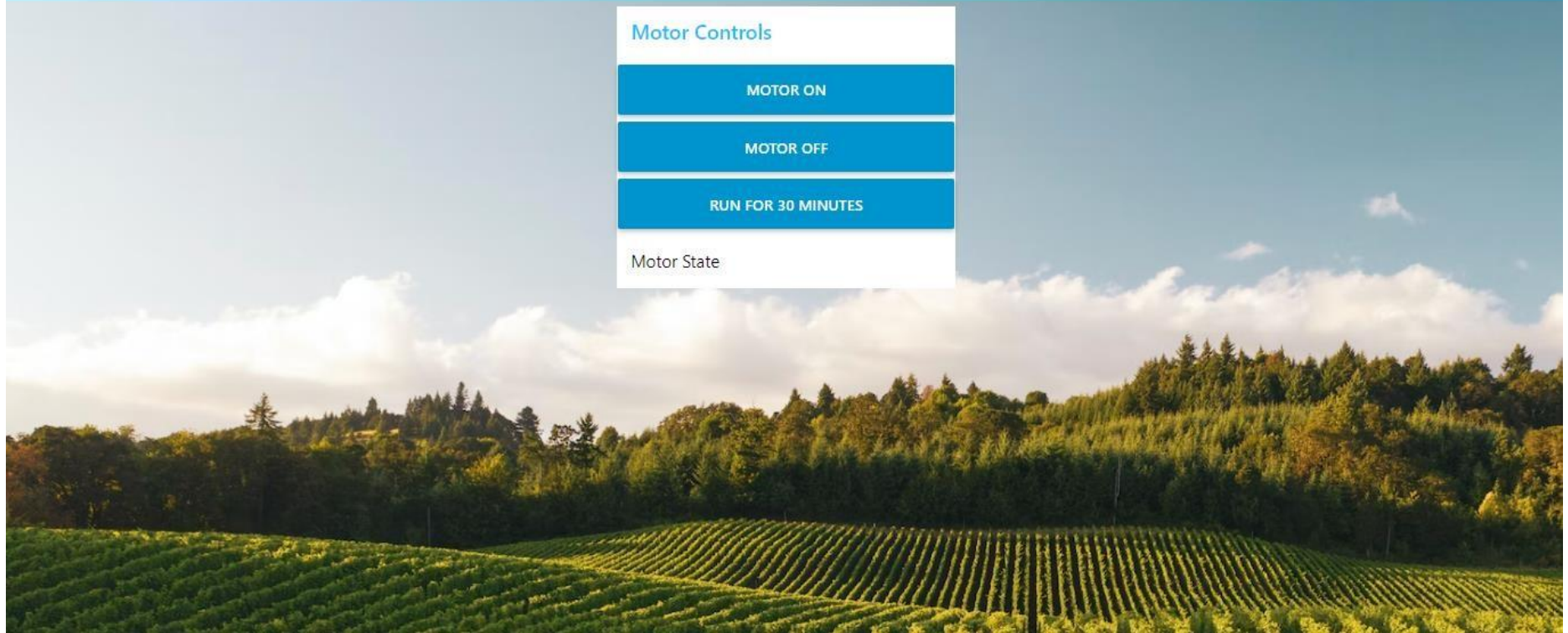
### Motor Controls

MOTOR ON

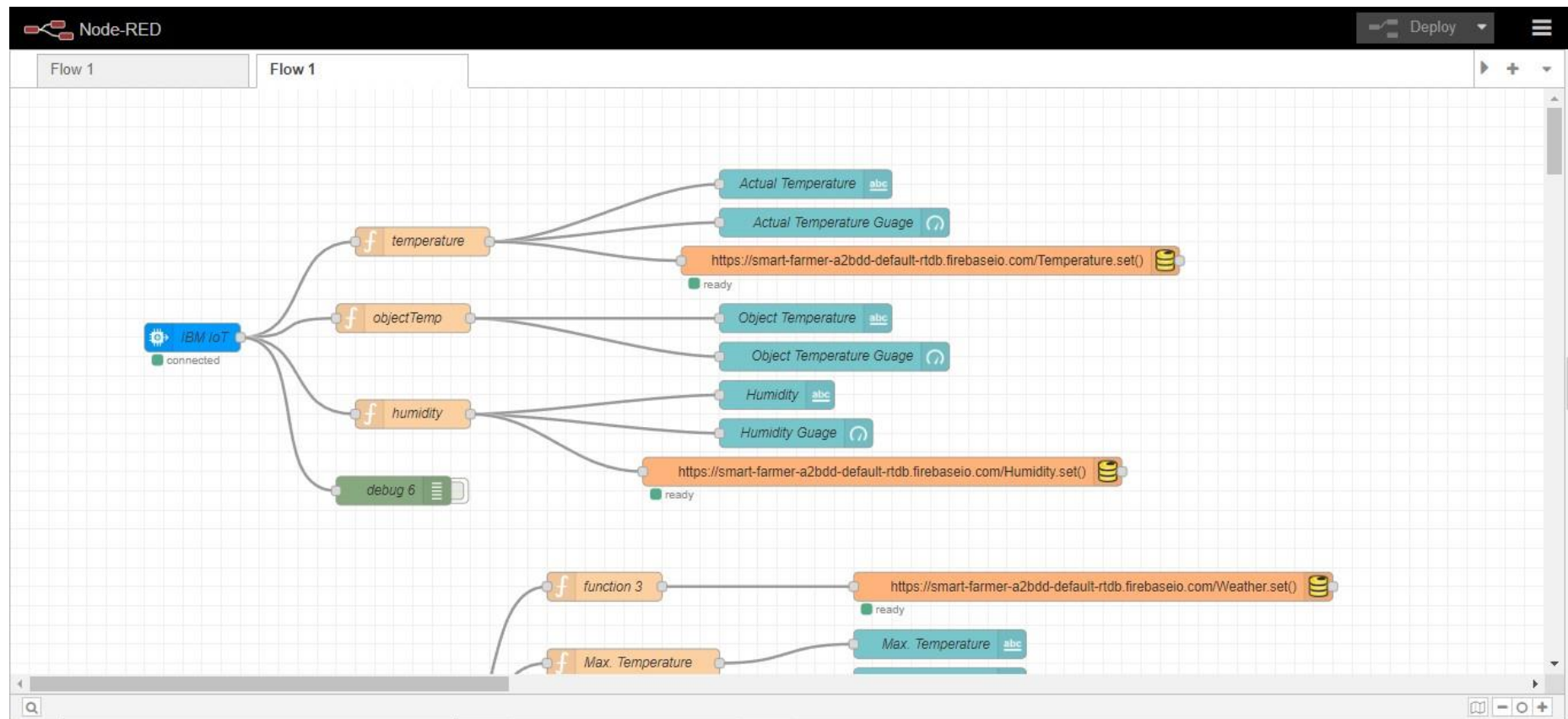
MOTOR OFF

RUN FOR 30 MINUTES

Motor State



## Node Red Connection:





Flow 1

Flow 1

E t •

https://smart-lamer-a2bdd-default-rtdb.firebaseio.com/Humidity.set()

function 3

https://srrart-farmer-a2bdd-default-rtdb.firebaseio.com/A\weather.set()

.Y.ax. Temperature're

tax. Temperature

Actual Temperature

Temperature Guage

Relative Humidity

Relative Humidifi/ Guage

Feels like

Feels lifie Grape

Min. Temperature

'ampera&'. 'e


Humidity


feels like

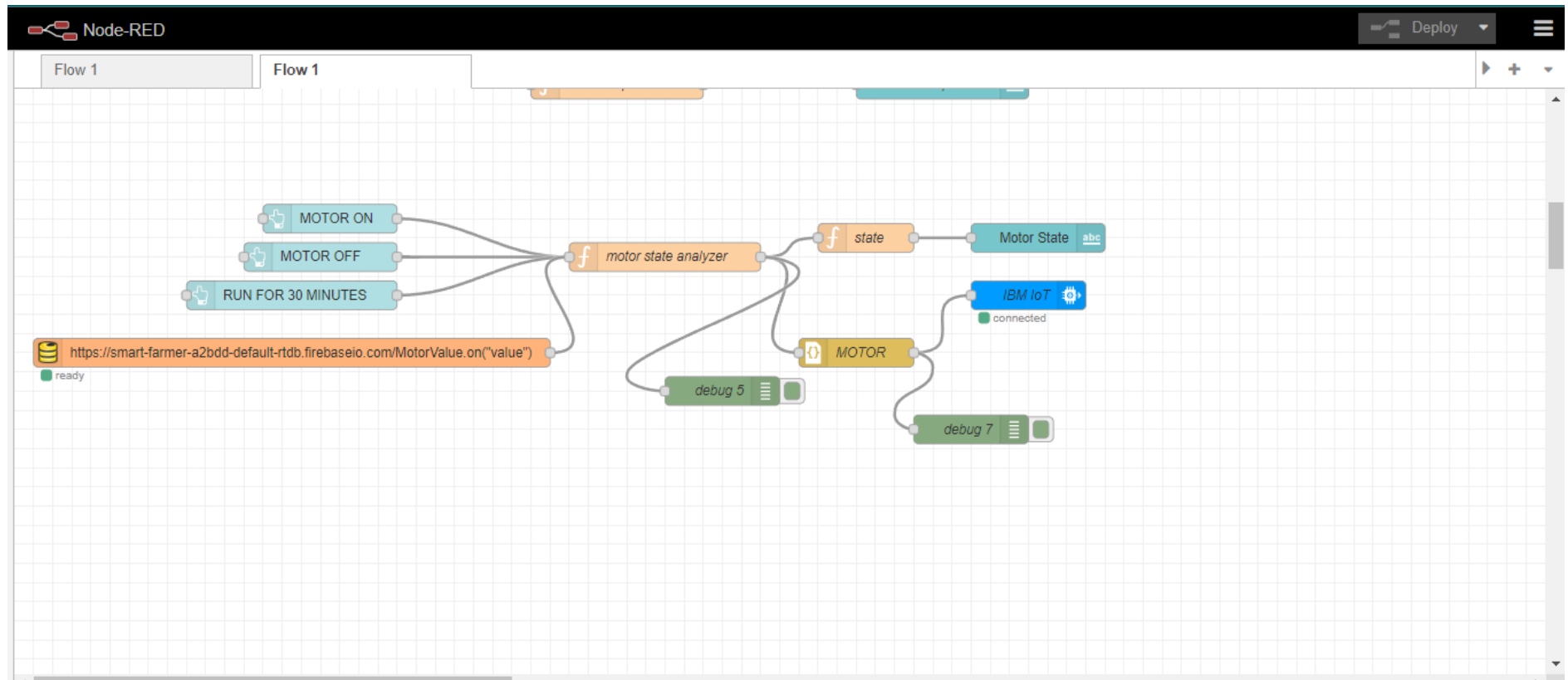
Min. Temperature

fimesta mp o

http request

 template

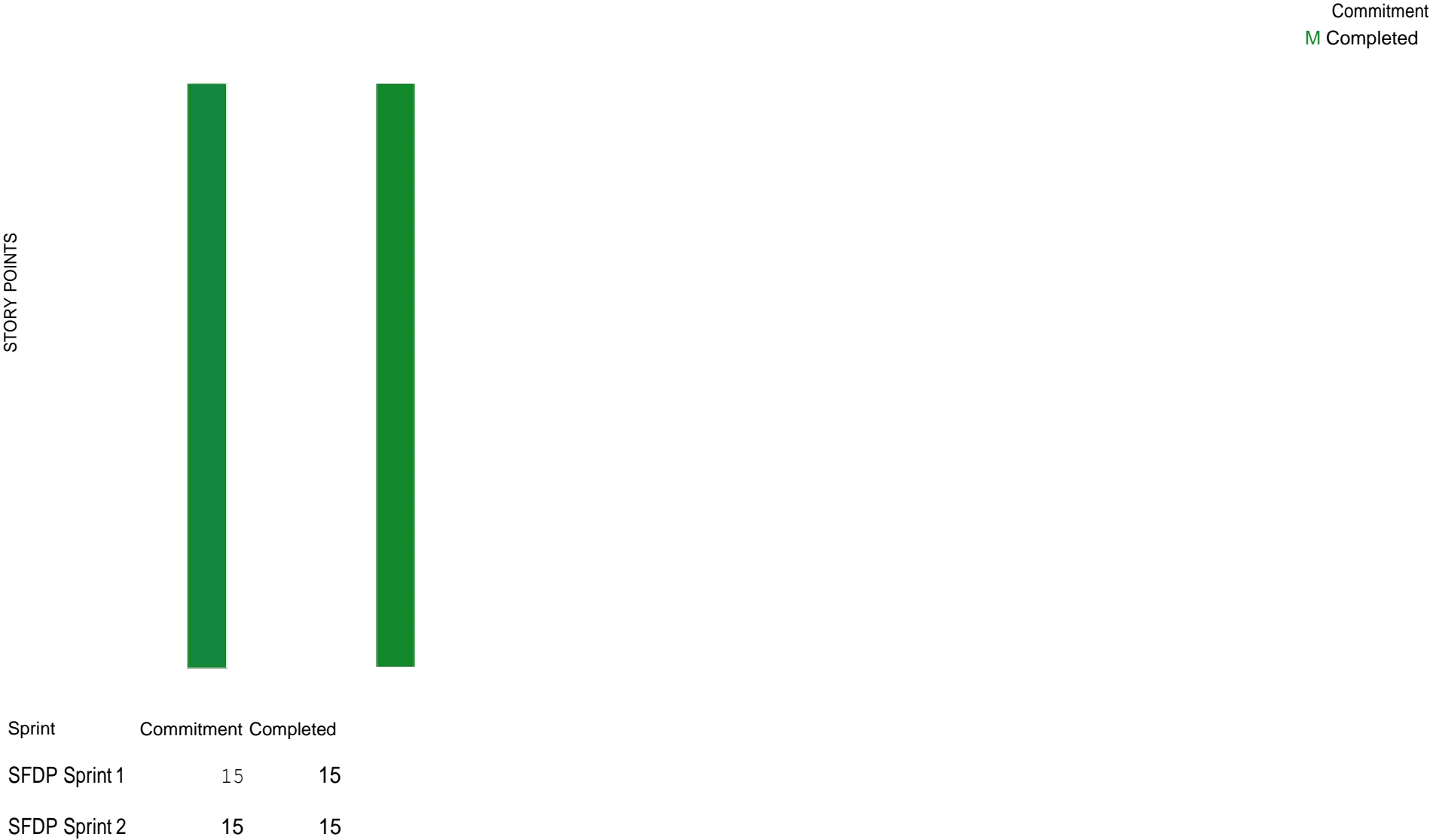
 template



Reports like Velocity Report, Burndown Report are attached below



# Velocity Chart





y

# Burndown Chart



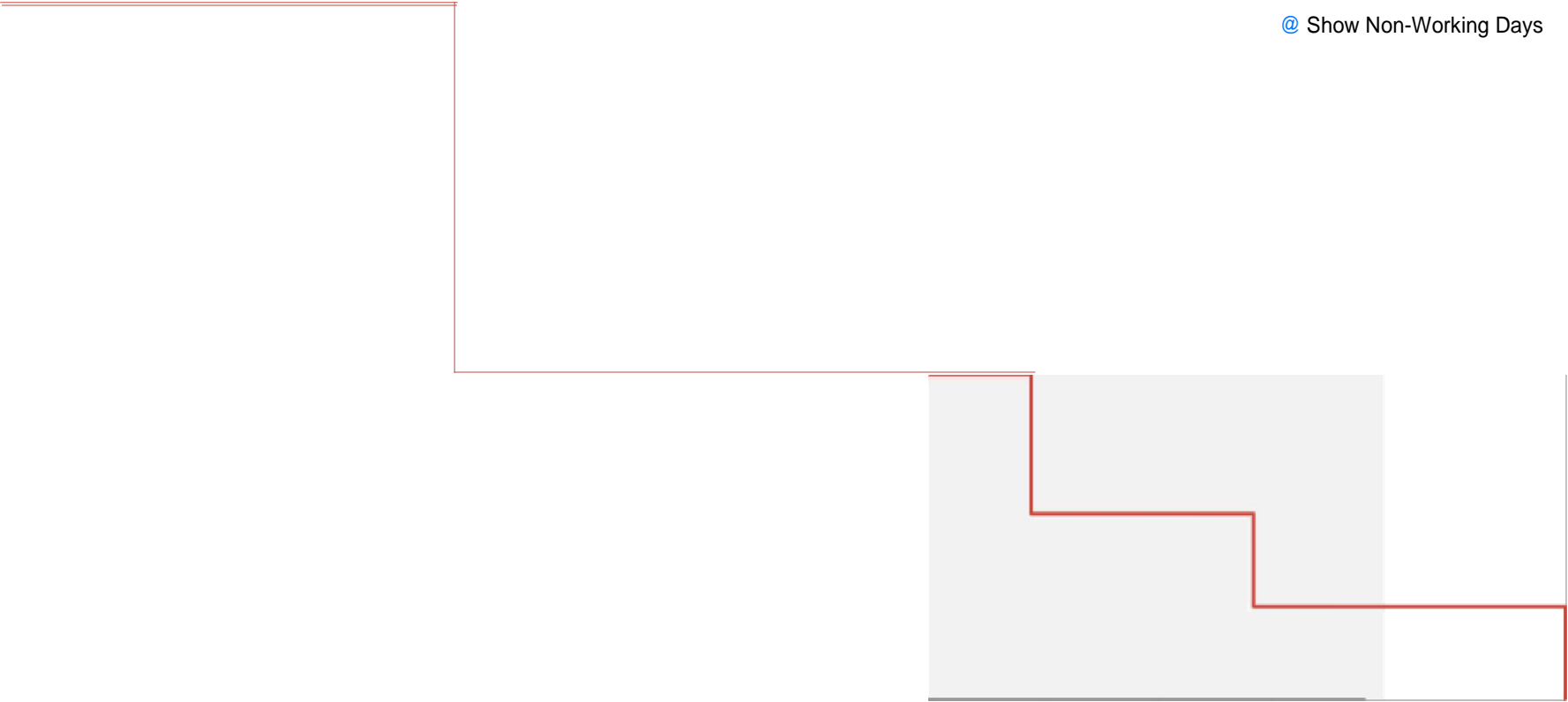
SFDP Sprint 2

story Points -



Create Hardware working model and Node-red Connection

STORY POINTS



- Guideline
- M Remaining Values
- Non-Working Days
- @ Show Non-Working Days

TIME



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

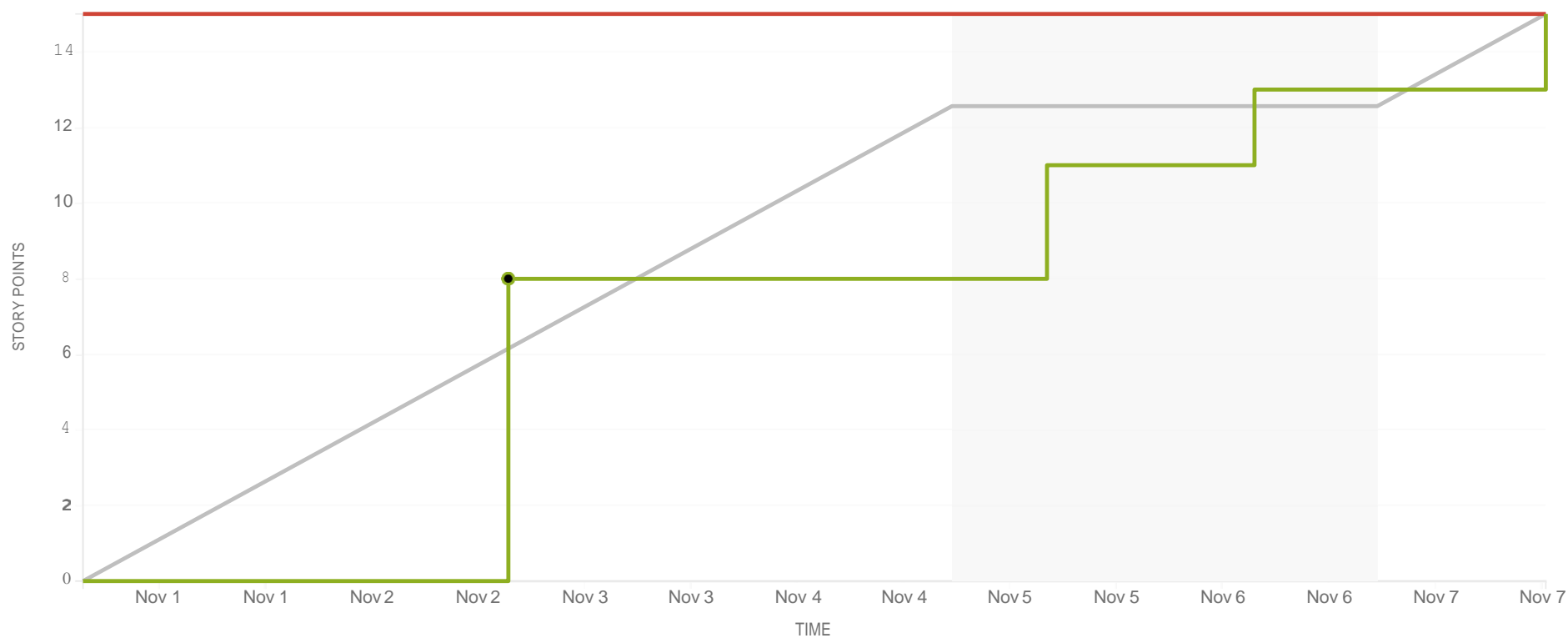
## Burnup Chart



SFDP Sprint 2 story Points

Workscope \*\*\* Scope projection  
Completed Work  
Guideline

Create Hardware working model and Node-red Connection



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	SFDP-1 5 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-1 5 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

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Projects / Smart Farmer Development Phase / SFDP board / Reports

# Sprint Report

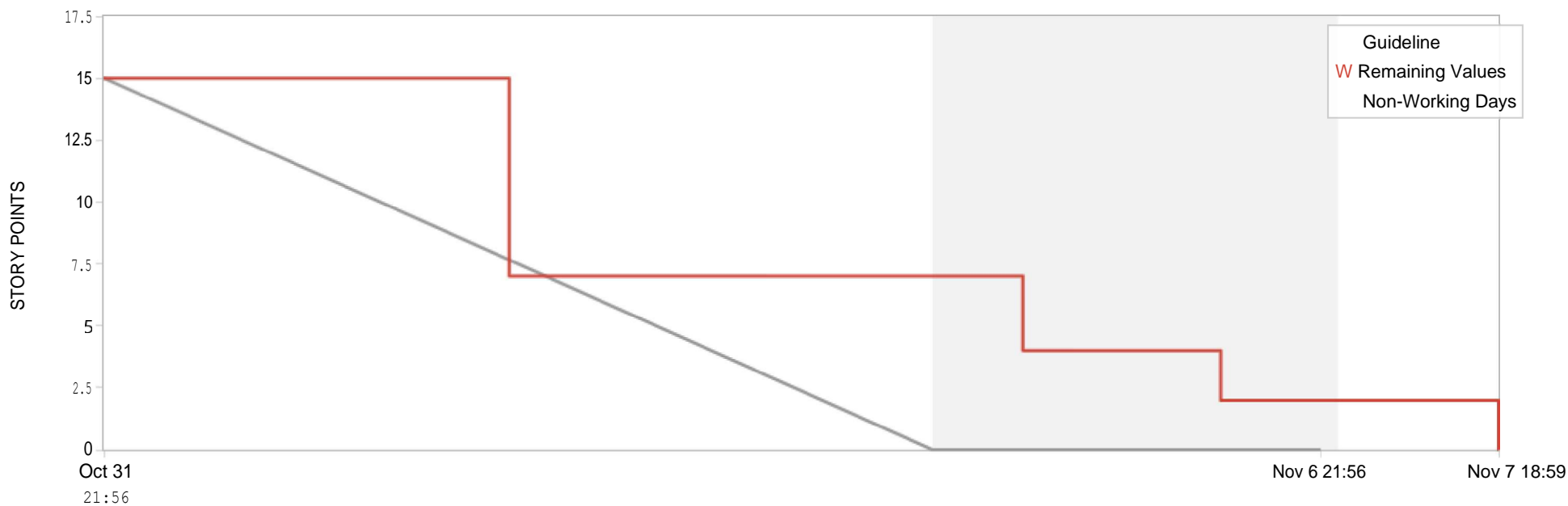


## SFDP Sprint 2



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



TIME

Opsgenie alerts

[- Give feedback](#)

C Critical  
High

ALERT

Connect an Opsgenie team in project settings to start syncing alert data. Go to project settings

Oct 31

Nov 06

N

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# Status Report

## Completed Issues

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



