IBM

SPRINT 2 REPORT

SMARTFARMER – IOT ENABLED
SMART FARMING APPLICATION

TEAM ID – PNT2022TMID38289

- **TEAM LEADER : NIRMAL KUMAR A**
  TEAM MEMBER : RAJI R
- **TEAM MEMBER : ARUN KUMAR G**
- **TEAM MEMBER : DHYANESHWARI G**

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

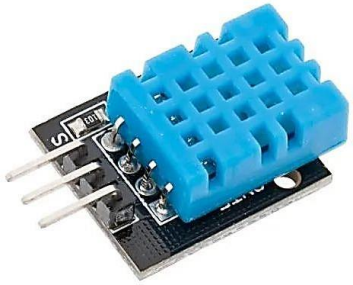
WORKDONE IN DASHBOARD :

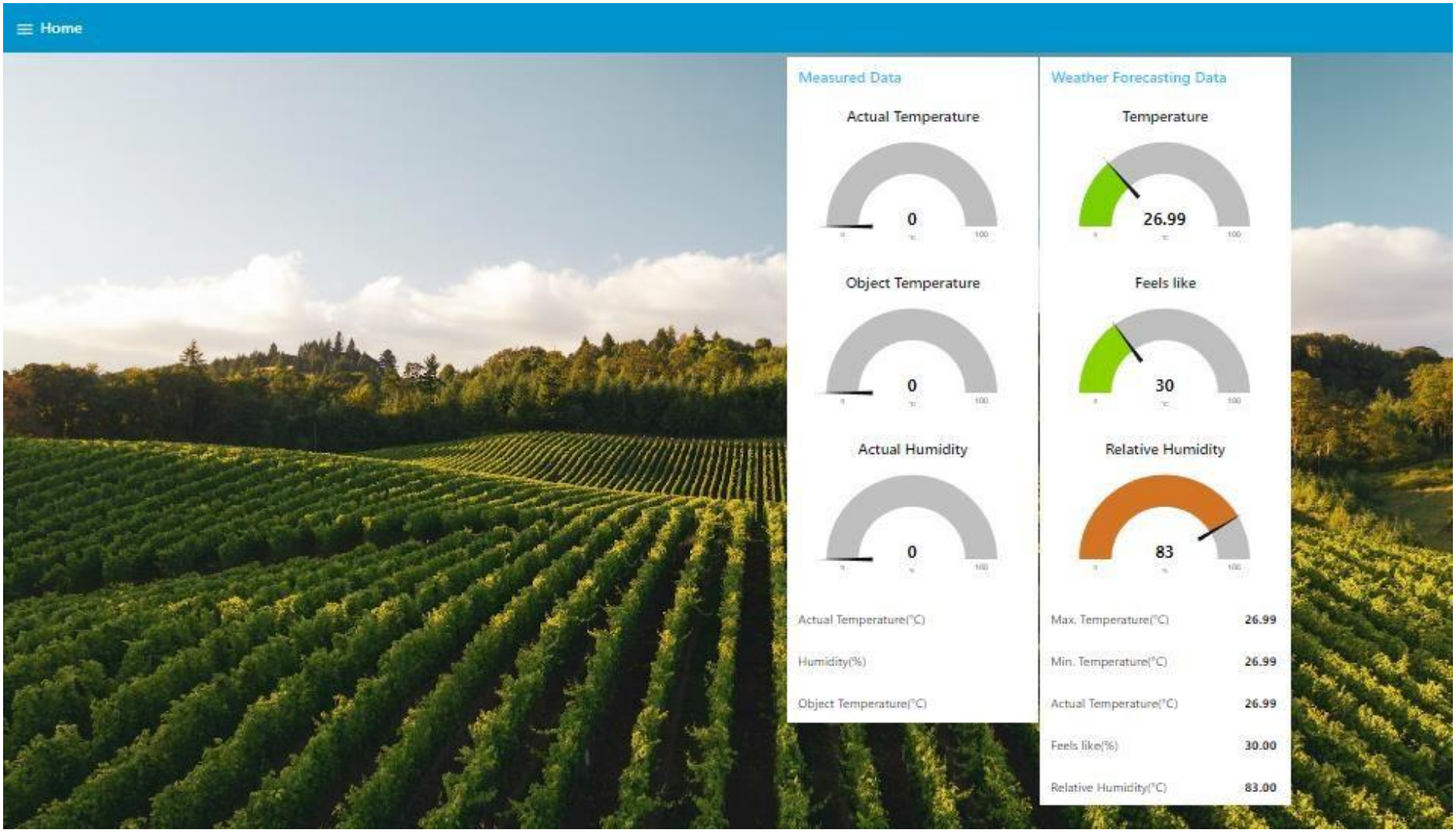
As per user stories, we created a dashboard with data is represented in graphical representation with organized section in separate widget for better user understanding.

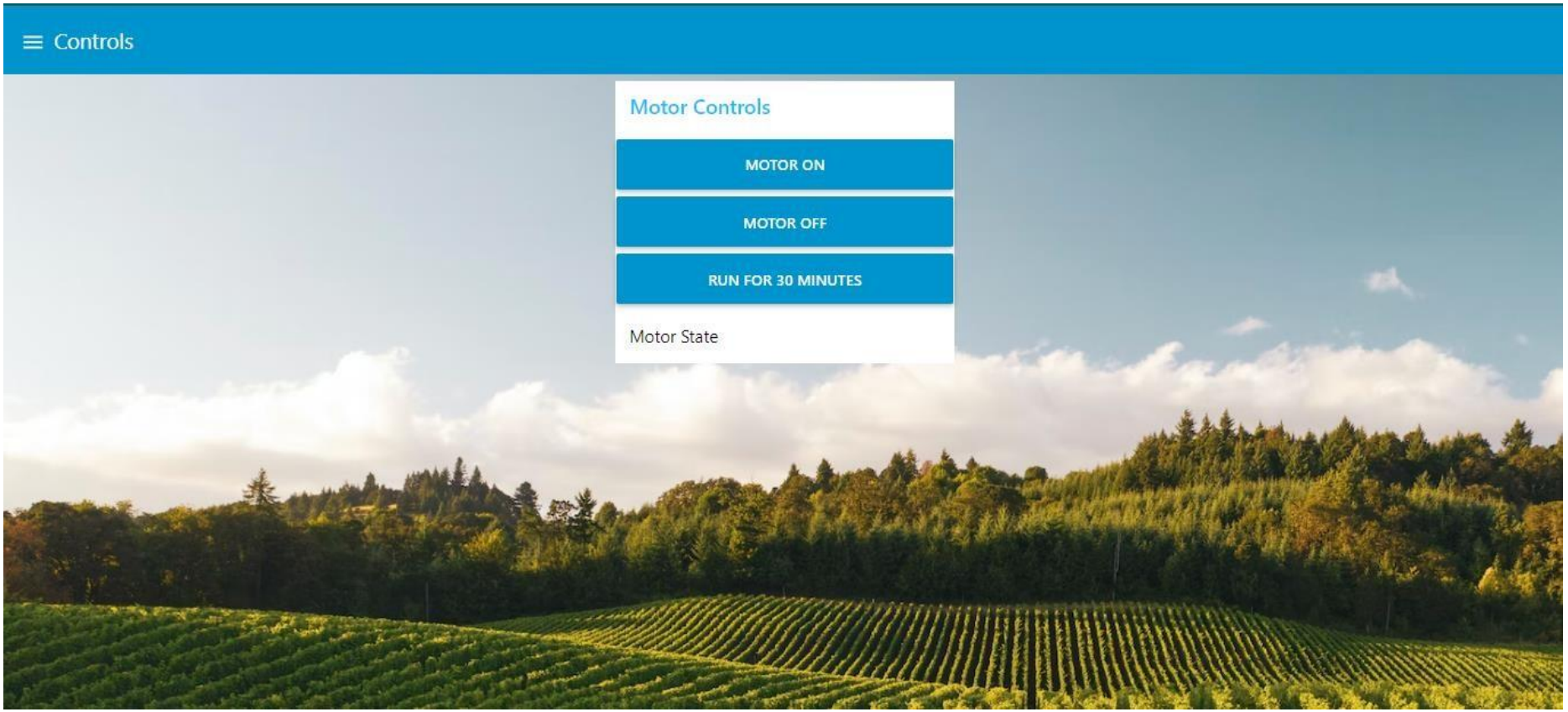
DEVICES ESTIMATION :

- Temperature and Humidity Sensor
- Soil Moisture Sensor

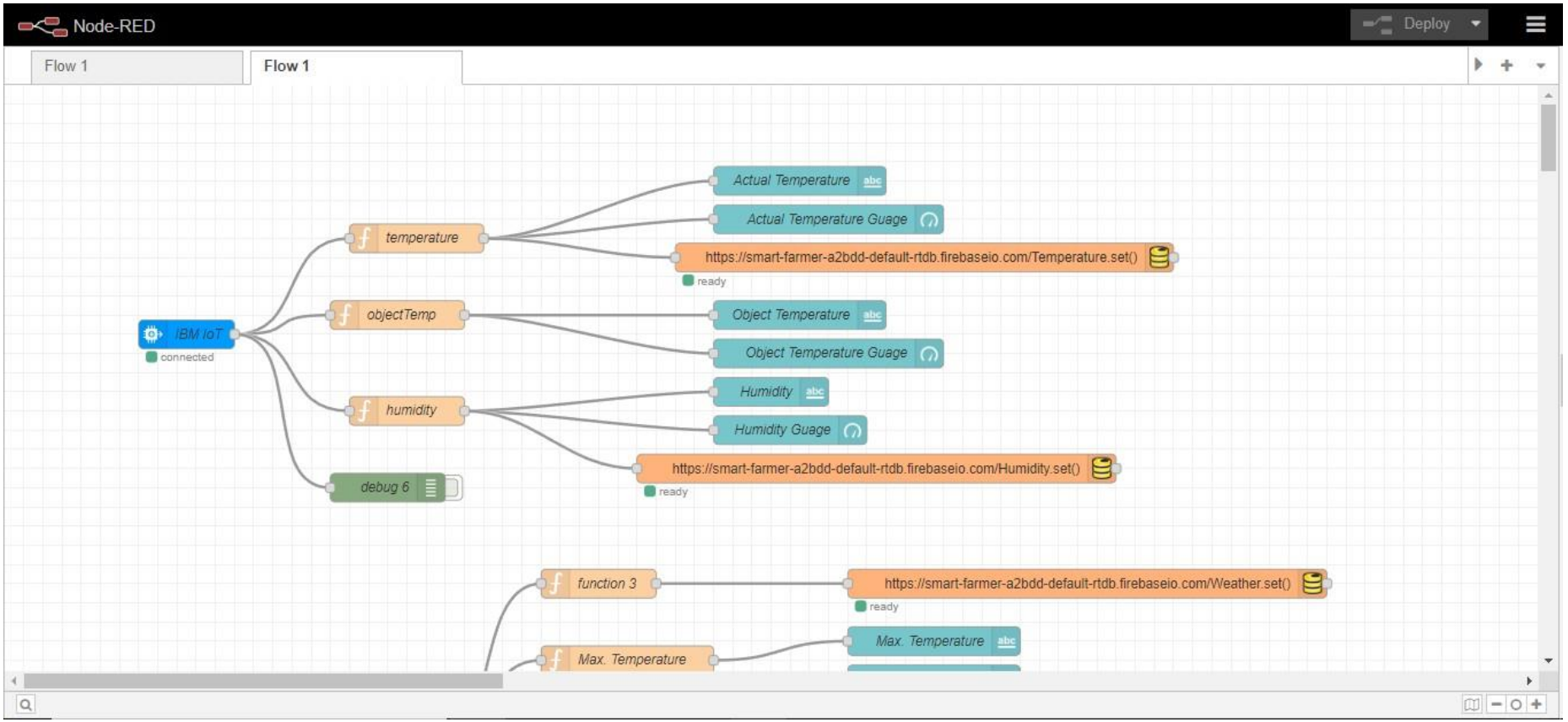
Above sensor are used for sensing some parameters.

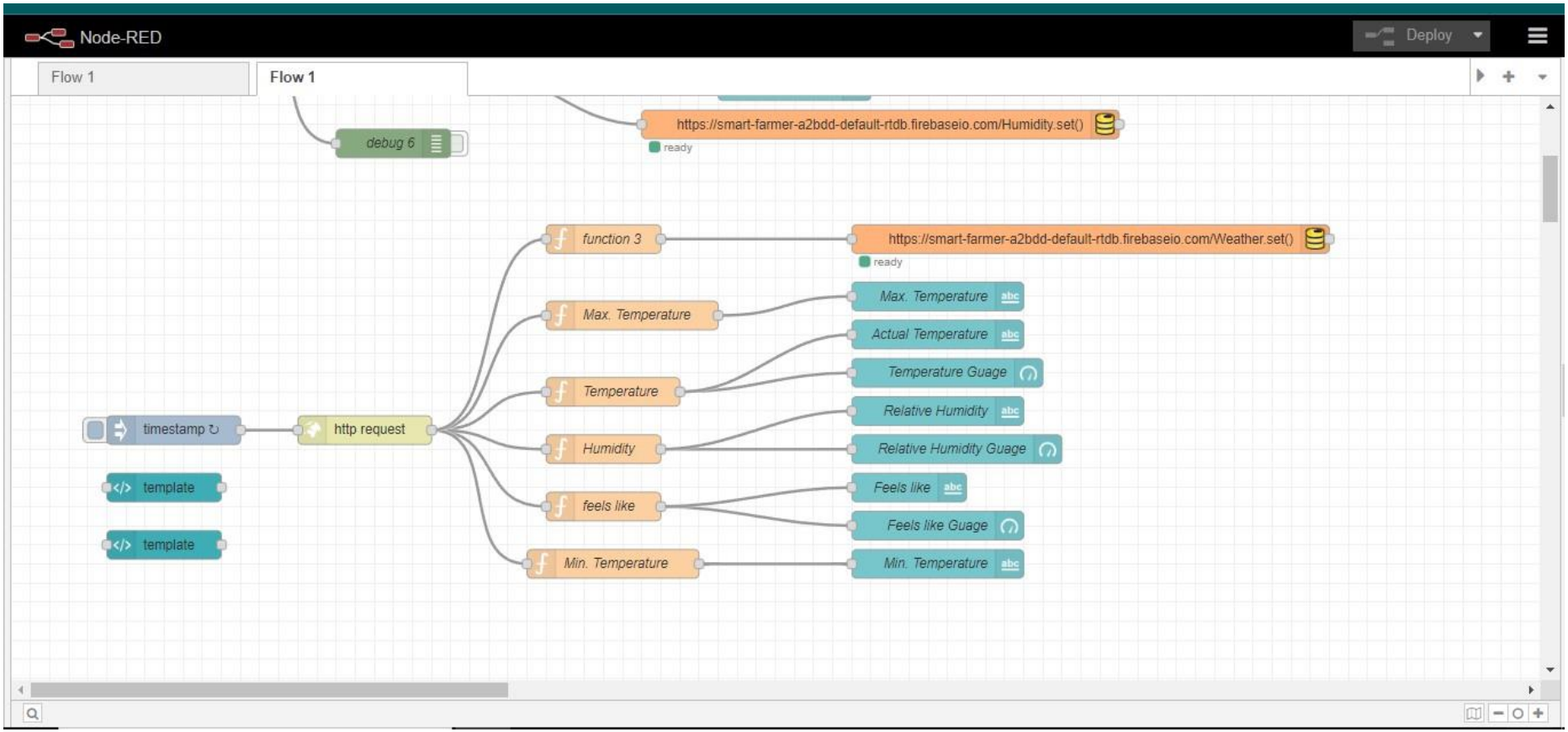


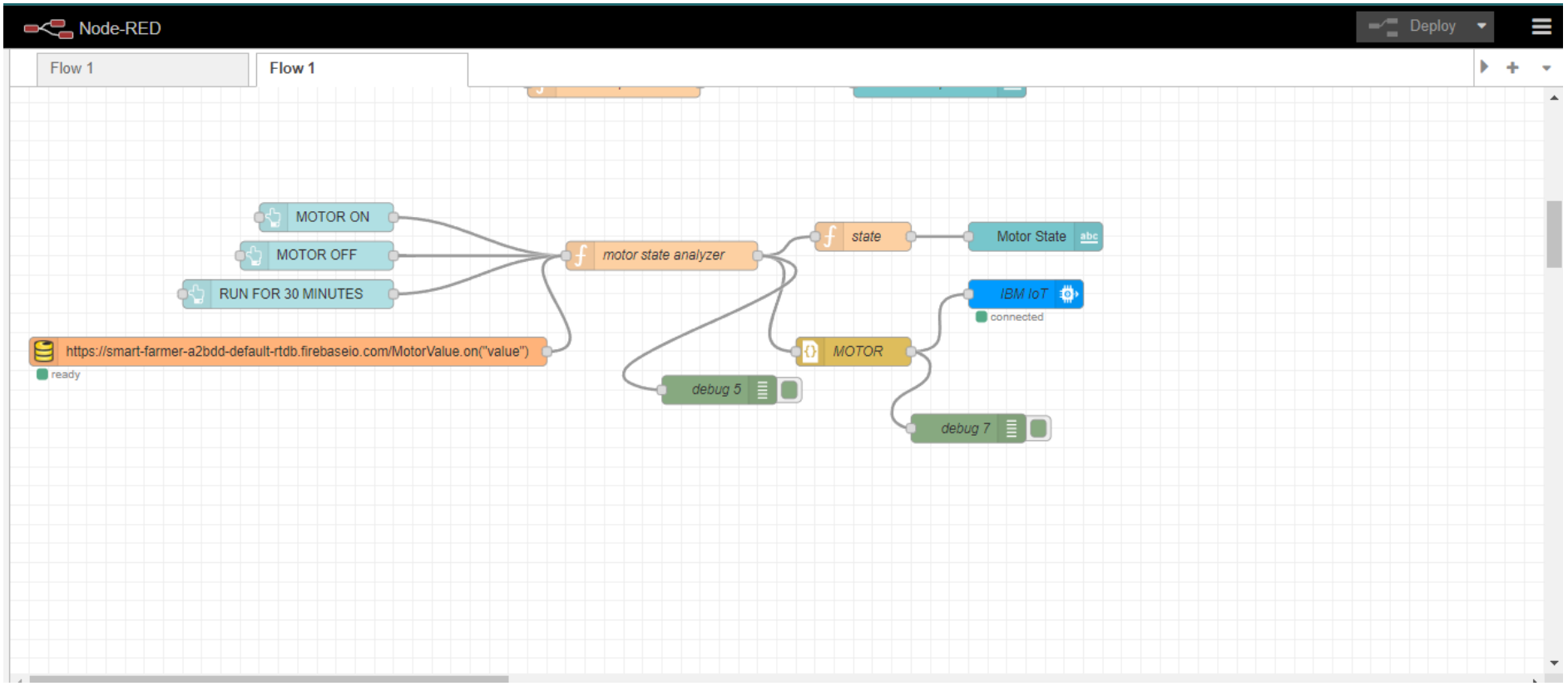

Home
Measured Data
Actual Temperature
0
Object Temperature
0
Actual Humidity
0
Actual Temperature(°C)
Humidity(%)
Object Temperature(°C)
Weather Forecasting Data
Temperature
26.99
Feels like
30
Relative Humidity
83
Max. Temperature(°C) 26.99
Min. Temperature(°C) 26.99
Actual Temperature(°C) 26.99
Feels like(%) 30.00
Relative Humidity(°C) 83.00


Controls
Motor Controls
MOTOR ON
MOTOR OFF
RUN FOR 30 MINUTES
Motor State

Node Red Connection:




Node-RED
Deploy
Flow 1
Flow 1
debug 6
https://smart-farmer-a2bdd-default-rtdb.firebaseio.com/Humidity.set()
ready
function 3
https://smart-farmer-a2bdd-default-rtdb.firebaseio.com/Weather.set()
ready
Max. Temperature
Max. Temperature
Actual Temperature
Temperature
Temperature Guage
Relative Humidity
timestamp
http request
Humidity
Relative Humidity Guage
template
feels like
Feels like
Feels like Guage
template
Min. Temperature
Min. Temperature



Reports like Velocity Report, Burndown Report are attached below

Velocity Chart

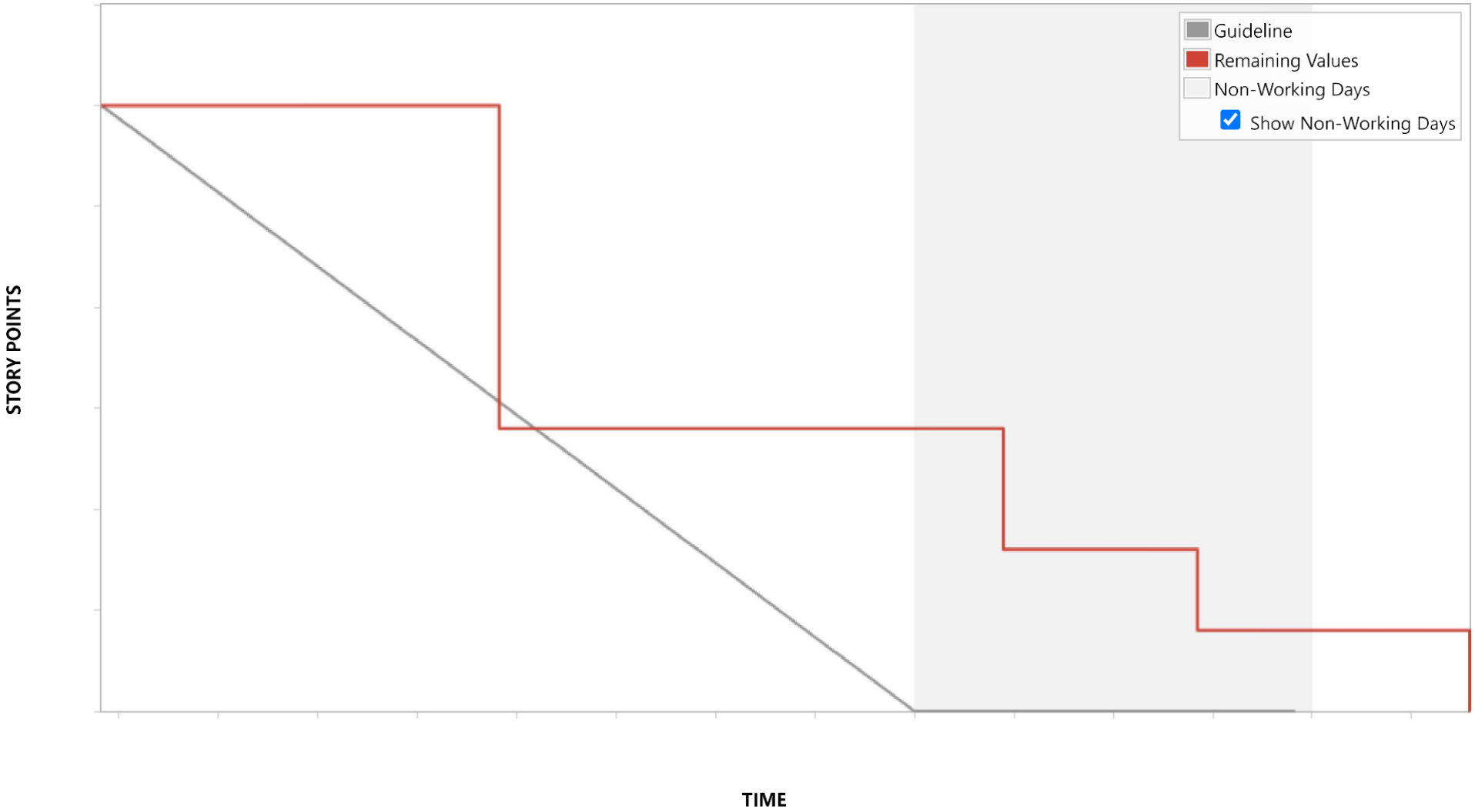
Sprint	Commitment	Completed
SFDP Sprint 1	15	15
SFDP Sprint 2	15	15

Burndown Chart

SFDP Sprint 2

Story Points

Create Hardware working model and Node-red Connection

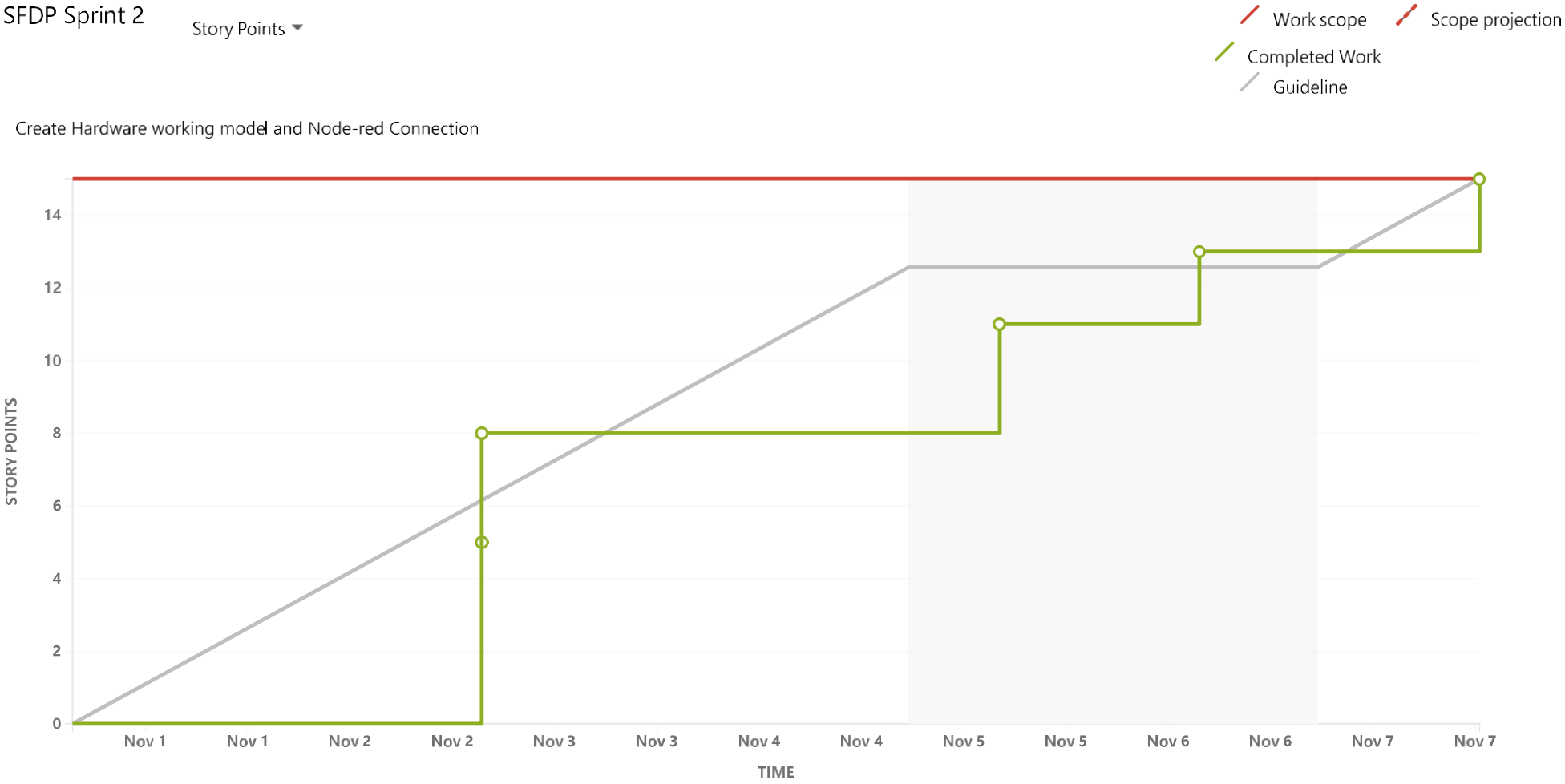


31/Oct/22 9:56 PM	SFDP-14 SFDP-15 SFDP-16 SFDP-18 SFDP-19	Sprint start		3 3 5 2 2		15
02/Nov/22 9:56 PM	SFDP-16	Burndown	Issue completed		5	10
	SFDP-15	Burndown	Issue completed		3	7
05/Nov/22 10:42 AM	SFDP-14	Burndown	Issue completed		3	4
06/Nov/22 10:08 AM	SFDP-18	Burndown	Issue completed		2	2
07/Nov/22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

Burnup Chart

SFDP Sprint 2

Story Points



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 Representantion for app and web ui SFDP-16 Single Widget Representation SFDP-18 Least Devices and Better Output SFDP-19 Low cost setup	0	15

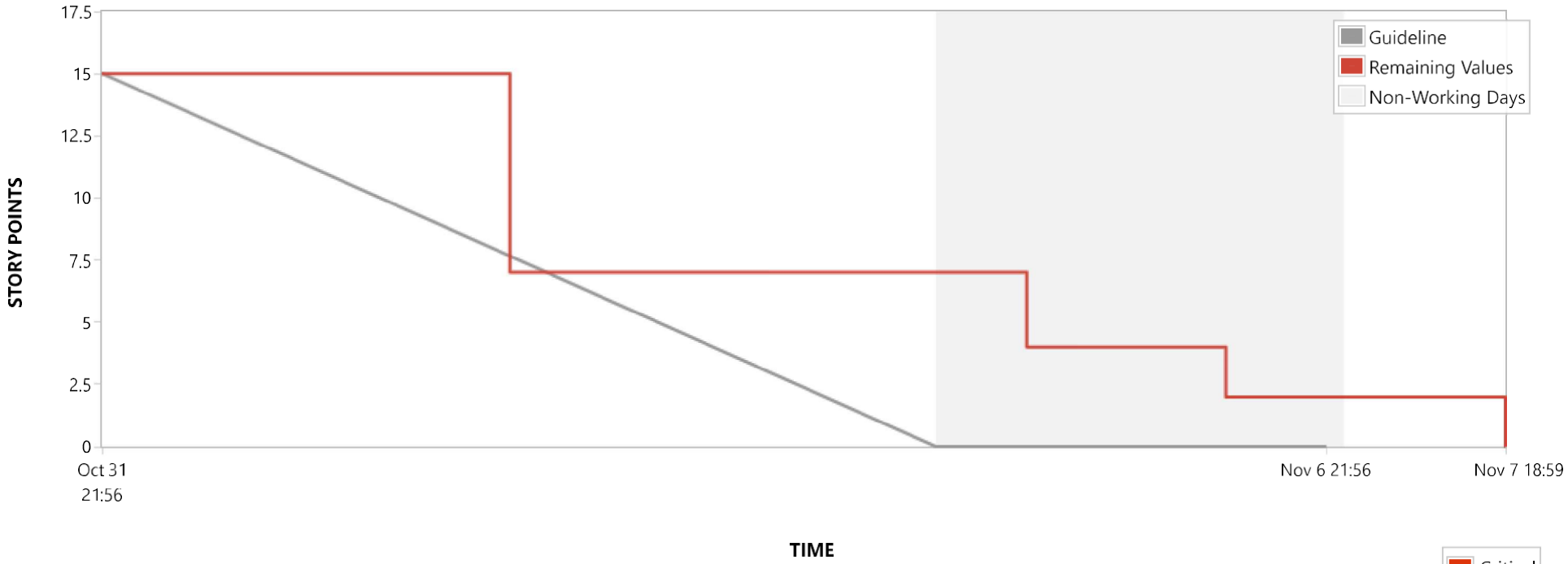
2/Nov/22 9:56 PM	Issue completed	SFDP-15 Graphical / Pictorial Representantion for app and web ui	5 → 8	15
5/Nov/22 10:42 AM	Issue completed	SFDP-14 Organised widget section	8 → 11	15
6/Nov/22 10:08 AM	Issue completed	SFDP-18 Least Devices and Better Output	11 → 13	15
7/Nov/22 6:59 PM	Issue completed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

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

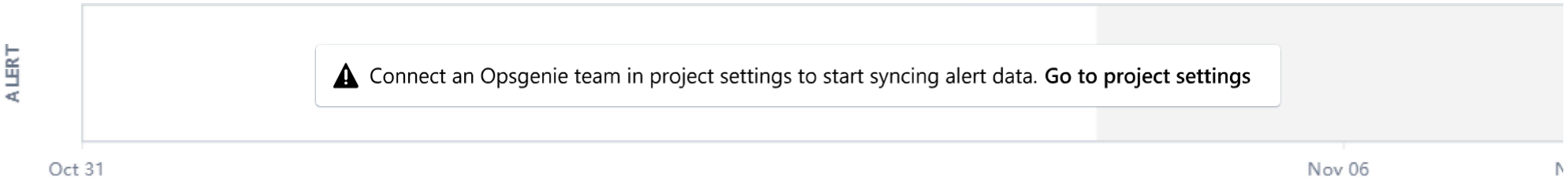
Create Hardware working model and Node-red Connection



Opsgenie alerts

Give feedback

Critical
High

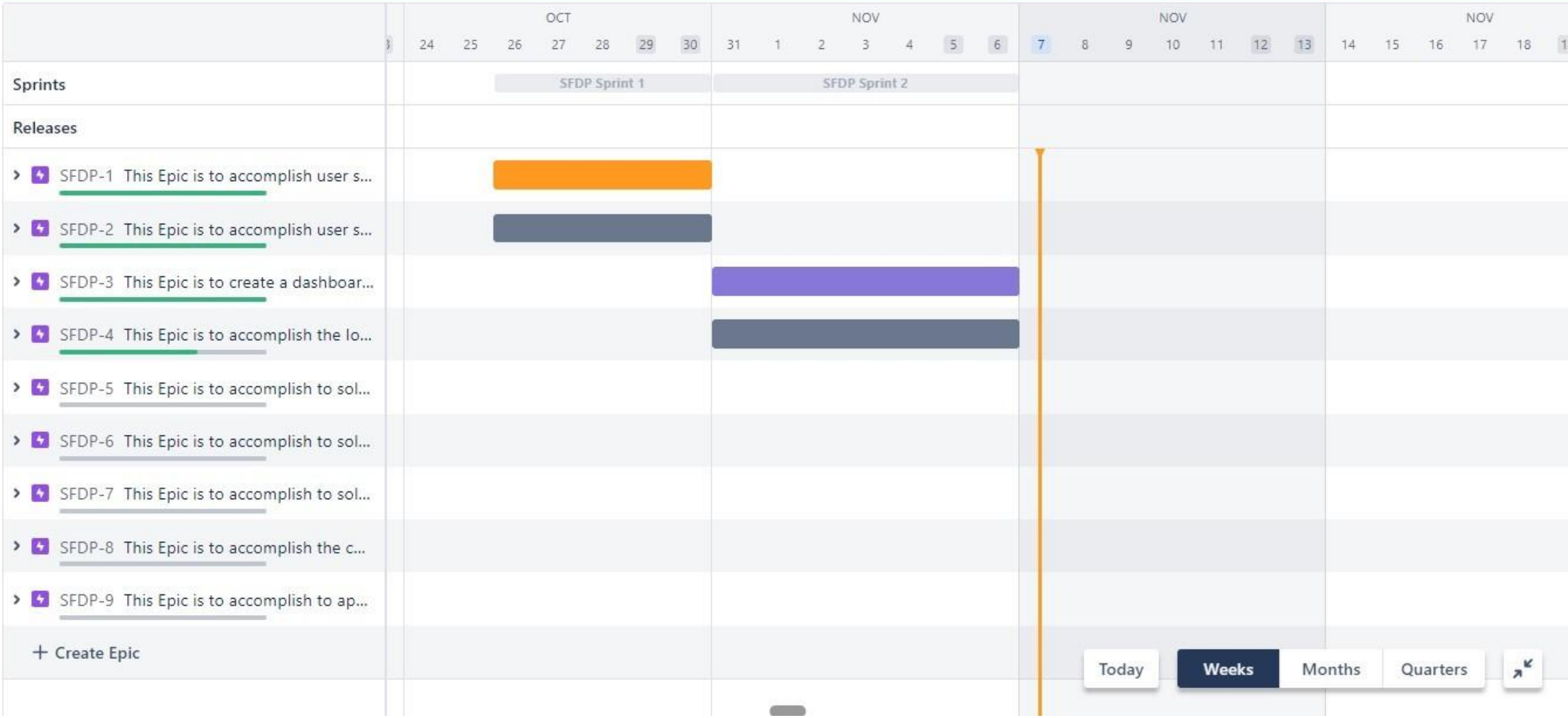


Status Report

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


OCT
NOV
NOV
NOV
24 25 26 27 28 29 30 31 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18
Sprints
SFDP Sprint 1
SFDP Sprint 2
Releases
SFDP-1 This Epic is to accomplish user s...
SFDP-2 This Epic is to accomplish user s...
SFDP-3 This Epic is to create a dashboar...
SFDP-4 This Epic is to accomplish the lo...
SFDP-5 This Epic is to accomplish to sol...
SFDP-6 This Epic is to accomplish to sol...
SFDP-7 This Epic is to accomplish to sol...
SFDP-8 This Epic is to accomplish the c...
SFDP-9 This Epic is to accomplish to ap...
Create Epic
Today
Weeks
Months
Quarters