

Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)

Date	31 October 2022
Team ID	PNT2022TMID49260
Project Name	Hazardous area monitoring for industrial power plant powered by IoT
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	Versions	User Story Number	User Story / Task	Reporter	Story points	Priority
Sprint-1	Installation	Version 1	USN-1	As a user, I have to install the IoT device simulators(i..e quick emulator for raspberry pi	M.Raj Vignesh	5	High
Sprint-1			USN-2	As a user, I can configure the Quick Emulator (qemu)	M.Raj Vignesh	5	Low
Sprint-1	Coding	Version 1	USN-3	I can write the code to generate random temperature and humidity values	M.Rubeena banu	5	Medium
Sprint-1	Debugging	Version 1	USN-4	I can debug and rewrite the code if there is an error	M.Abinaya	5	Medium
Sprint-2	Owner	Version 1	USN-5	As a user , I have to buy the cloudant database	R.Bharanidharan	5	High
Sprint-2	Login	Version 1	USN-6	As a user , I can login to the IBM Watson IoT platform with the help of username and password	R.BHARANI DHARAN	5	High
Sprint-2	Connection	Version 1	USN-7	I can connect the devices to the IBM Watson IoT platform	B.Ramya	5	High

Sprint	Functional Requirement (Epic)	Versions	User Story Number	User Story / Task	Reporter	Story points	Priority
Sprint-2	Installation	Version 2	USN-8	I can place install and place the nodes on Node-RED	B.Ramya	5	Medium
Sprint-3	Node-RED	Version 2	USN-9	As a user, I can view the data in Node-RED	M.Rubeena banu	5	Medium
Sprint-3	APP developing	Version 2	USN-10	I can develop the web applications	M.Rubeena banu	5	High
Sprint-3	Downloading	Version 2	USN-11	As user, I can download the web application	M.Abinaya	5	High
Sprint-3	Login	Version 2	USN-12	As a user , I can login to the web applications	B.Ramya	5	High
Sprint-4	Admin	Version 2	USN-13	As a user, I can view the temperature and humidity values	M.Rubeena banu	10	Medium
Sprint-4			USN-14	As a user, I can receive the alert message	M.Abinaya	10	High

Project Tracker, Velocity & Burn down Chart: (4 Marks):

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	20	4 Days	01 NOV 2022	04 NOV 2022	20	01 NOV 2022
Sprint-2	20	4 Days	05 NOV 2022	08 NOV 2022		
Sprint-3	20	4 Days	09 NOV 2022	12 NOV 2022		
Sprint-4	20	4 Days	13 NOV 2022	16 NOV 2022		

On Call Schedule(sprint meeting):

<https://rubeena.app.opsgenie.com/schedule/wholsOnCall>

1.6025 RUBEENA BANU. M (user) is on call for schedule: hazardous-area-monitoring-for-industrial-power-plant-powered-by IoT schedule.

13:20 - 14:46

Sun, 6 Nov 2022

2.6025 RUBEENA BANU. M (user) is on call for schedule: hazardous-area-monitoring-for-industrial-power-plant-powered-by IoT schedule.

14:46 - 00:00

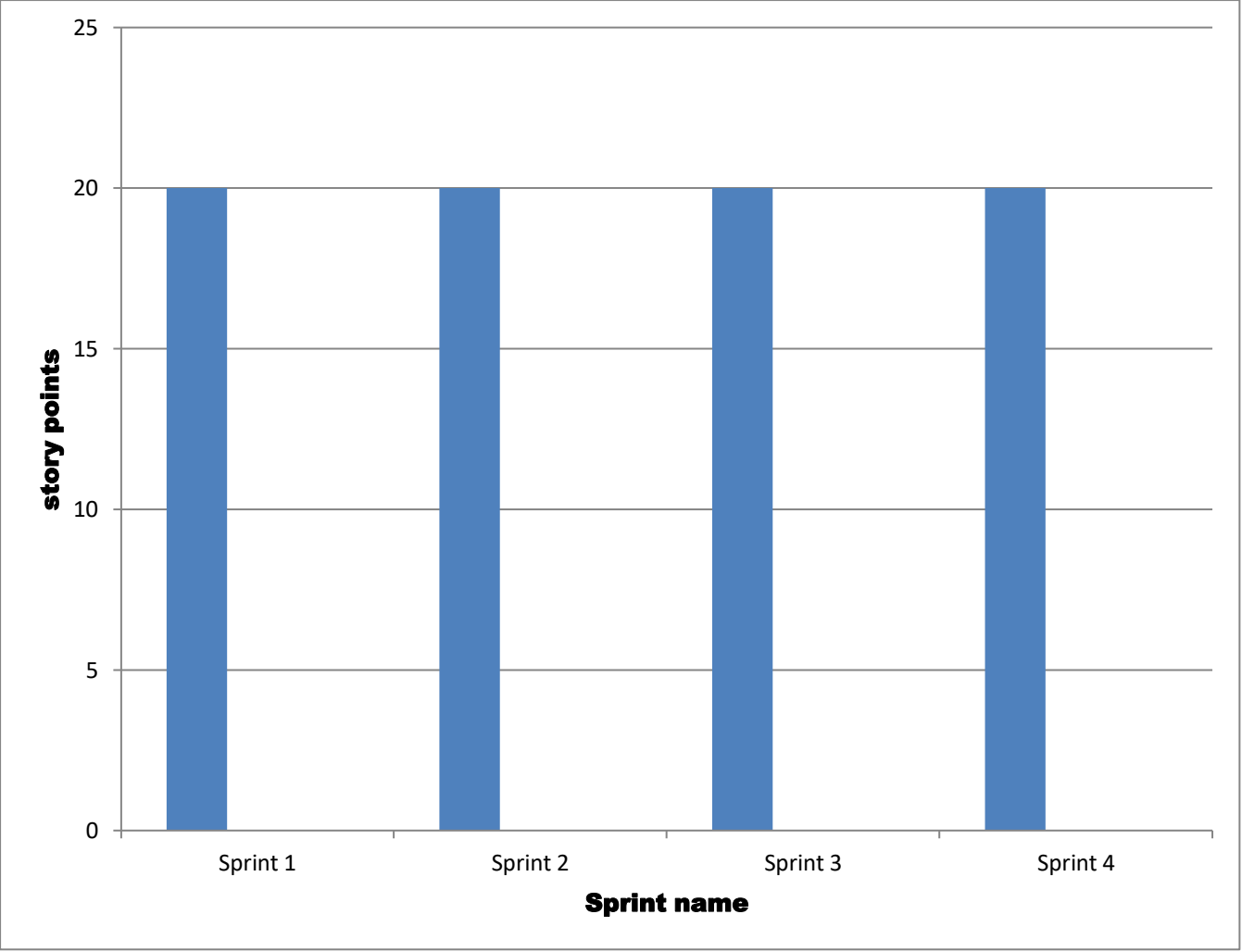
Sun, 6 Nov 2022 - Thu, 1 Dec 2022

Velocity:

Calculating average velocity(AV) for 4 sprints

$$Av = \frac{\textit{Sprint duration}}{\textit{velocity}} = \frac{20}{4} = 5$$

Velocity Report:



BURN DOWN CHART :

Duration : 16 days

Tasks: 15

Velocity :34 available hours

Days(x-axis)	1	2	3	4	5	6	7	8	9	9	10	11	12	13	14	15	16
Estimated effort remaining(y-axis)	34	32	30	28	26	24	22	20	18	16	14	12	10	8	6	4	2

