

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID22482
Project Name	Project – Smart Waste Management for Metropolitan Cities
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)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	5	High	Saravanan G
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	4	High	Saravanan G
Sprint-1		USN-4	As a user, I can register for the application through Gmail	3	Medium	Saravanan G
Sprint-1	Mobile/Web user Login	USN-5	As a user, I can log into the application by entering email & password	3	High	
Sprint-2	Dashboard	USN-6	As a user, I could be able to see the Bin status in the dashboard	10	High	Anand Krishnan N
Sprint-3		USN-7	As a user I want a easy UI to get and know the data	10		
Sprint-4		USN-8	As a user I want to send data from cloud to the application through node-red service	20		
Sprint-1	Devices	USN-9	As a user I want a device that shows the status of the waste bins	5	High	Mohamed Idris M
Sprint-2	Cloud service	USN-10	As an admin a I use IBM cloud service to show the data in the device in the web application	10	High	Saravanan G
Sprint-3	Software connection	USN-11	As an admin I want a smooth application to satisfy the user	10	High	Whole team

Project Tracker, Velocity & Burndown Chart: (4 Marks)

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	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 Nov 2022

Velocity:

Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$\text{AVERAGE VELOCITY} = \text{SPRINT DURATION} / \text{VELOCITY} = 20/5 = 4$$

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Backlog

SV MI A K

Epic

Insights

SWMSFMC Sprint 1 24 Oct – 29 Oct (3 issues)

0 0 0 Complete sprint

SWMSFMC-3 Create a device to detect the status of the bins IN PROGRESS MI

SWMSFMC-4 Write a code for the device to work based on the requirements IN PROGRESS K

SWMSFMC-5 Stimulate the device to check whether it is working properly IN PROGRESS A

+ Create issue

SWMSFMC Sprint 2 31 Oct – 5 Nov (3 issues)

0 0 0 Complete sprint

SWMSFMC-7 Create an Application for the user TO DO SV

SWMSFMC-6 Get alerts when the device is filled TO DO A

SWMSFMC-8 Send the bin data to the IBM cloud TO DO SV

+ Create issue

Quickstart

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Create an issue

Issue

Issues are individual pieces of work that you assign to teammates.

Issues can be tasks or stories.

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