

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

Date	22 nd October 2022
Team ID	PNT2022TMID00116
Project Name	Smart Waste Management System for Metropolitan Cities
Maximum Marks	8 Marks

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

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, and password and confirming my password.	3	High	Manoj
Sprint-1		USN-2	As a user, I will receive a confirmation email once I have registered for the application.	2	High	Manoj
Sprint-2		USN-3	As a user, I can register for the application through Facebook.	2	Low	Mohammed Fazil
Sprint-1		USN-4	As a user, I can register for the application through Gmail.	5	Medium	Manoj
Sprint 4		USN-5	As a user, I can register for the application through Twitter.	2	Low	Nandha Kumar
Sprint-1	Login	USN-6	As a user, I can log into the application by entering my email & password	3	High	Manoj
Sprint-2	Dashboard	USN-7	As a user, I need to give permission to access My Contacts, Location, and Storage.	5	High	Mohammed Fazil
Sprint-2		USN-8	As a user, I get access to the dashboard which shows a map with marked zones	5	High	Mohammed Fazil
Sprint-1	Registration	USN-9	As a management, I need to register my hospitals on the site.	2	high	Manoj

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Login	USN-10	As a management, I need to login into my dashboard with my given hospital id and password.	5	medium	Poornachandra
Sprint-2	Dashboard	USN-11	As a management, I need to enter the case information of the patient that visits our hospital.	5	high	Mohammed Fazil
Sprint-3		USN-12	As a management, I need to store all the patient information on the cloud	5	high	Poornachandra
Sprint-2	Services	USN-13	As an admin, I need to provide valid information about the pandemic out there.	5	high	Mohammed Fazil
Sprint-3		USN-14	As an admin, I need to provide medical advice through a chatbot.	5	medium	Poornachandra
Sprint-3		USN-15	As an admin, I need to provide medical recommendations by collaborating with top hospitals.	5	low	Poornachandra
Sprint-4		USN-16	As an admin, I need to alert the user when they enter pandemic zones.	3	Medium	Nandha Kumar
Sprint-3		USN-17	As an admin, I need to provide preventive measures when they travel through it.	5	high	Poornachandra
Sprint 4		USN-18	As an admin, I need to provide special services for premium users by giving services like monitoring health by their smart bands.	3	low	Nandha Kumar
Sprint-4	Data collections	USN-19	As an admin, I need to store all the user information on the cloud	5	Medium	Nandha Kumar
Sprint-4		USN-20	As an admin, I need to collect the list of viruses & bacteria present in this world.	5	High	Nandha Kumar

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	29 Oct 2022	Manoj
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	05 Nov 2022	Mohammed Fazil
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	12 Nov 2022	Poornachandra
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	19 Nov 2022	Nandha Kumar

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)

$$AV = \frac{\text{sprint duration}}{\text{velocity}} = \frac{20}{10} = 2$$

Burndown Chart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.