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

Date	18 October 2022
Team ID	PNT2022TMID05098
Project Name	Containment Zone Alerting Application
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	**User**. I can register for the application by entering my email and password	3	Medium	Tharmarajan S Shyam Chander SP Veera Kishore P Vigneshwaran S
		USN-2	**User** I will receive a confirmation email once I have registered for the application	3	Medium	Tharmarajan S Shyam Chander SP Veera Kishore P Vigneshwaran S
	Login	USN-3	**User** I can log into the application by entering my email & password	2	Low	Veera Kishore P Vigneshwaran S
Sprint-2	Dashboard	USN-4	**User** I need to give permission to access my location	5	High	Tharmarajan S Shyam Chander SP Veera Kishore P Vigneshwaran S
		USN-5	**User** I can view the map with the containment zones	5	High	Tharmarajan S Shyam Chander SP
	Service	USN-6	**Admin** I need to update the containment zones	5	High	Tharmarajan S Shyam Chander SP

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Service	USN-7	**Admin** I need to differentiate the containment zones based on the intensity of infection	3	Medium	Tharmarajan S Shyam Chander SP Veera Kishore P Vigneshwaran S
		USN-8	**Admin** I need to provide precautionary measures when they travel	3	Medium	Tharmarajan S Shyam Chander SP
		USN-9	**Admin** I need to provide information about the nearby hospitals	2	Low	Veera Kishore P Vigneshwaran S
Sprint-4	Service	USN-10	**Admin** I need to alert the user when they enter the containment zone through email or SMS	5	High	Tharmarajan S Shyam Chander SP Veera Kishore P Vigneshwaran S
		USN-11	**Admin** I need to provide medical recommendations by collaborating with hospitals	2	Low	Veera Kishore P Vigneshwaran S
	Data Collection	USN-12	**Admin** I need to store user details on the cloud	5	High	Tharmarajan S Shyam Chander SP Veera Kishore P Vigneshwaran S
		USN-13	**Admin** I need to collect details about covid-19 cases from verified sources	5	High	Tharmarajan S Shyam Chander SP

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	10 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)

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

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.

https://www.visual-paradigm.com/scrum/scrum-burndown-chart/

https://www.atlassian.com/agile/tutorials/burndown-charts

Reference:

https://www.atlassian.com/agile/project-management

https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software

https://www.atlassian.com/agile/tutorials/epics

https://www.atlassian.com/agile/tutorials/sprints

https://www.atlassian.com/agile/project-management/estimation

https://www.atlassian.com/agile/tutorials/burndown-charts