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

Date	02 NOV 2022
Team ID	PNT2022TMID00605
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 (Web and Android)	USN-1	**USER :** I can register for the application by entering my email, password, and confirming my password.	2	High	DHARSHINI.B DHARSHINI.P.K KARTHIKA M NITHIYASHREE.S
		USN-2	**USER :** I will receive confirmation email once I have registered for the application	1	High	DHARSHINI.B DHARSHINI.P.K KARTHIKA M NITHIYASHREE.S
	Login (Web and Android)	USN-3	**USER :** I can login into the application by entering my email & password	3	High	DHARSHINI.B DHARSHINI.P.K KARTHIKA M NITHIYASHREE.S

Sprint-2	Dashboard	USN-4	**USER :** I need to give permission to access my location	5	High	DHARSHINI.B DHARSHINI.P.K KARTHIKA M NITHIYASHREE.S
		USN-5	**USER :** I can view the map with the containment zones	5	High	DHARSHINI.B DHARSHINI.P.K KARTHIKA M NITHIYASHREE.S
Sprint-3	Service	USN-6	**ADMIN :** I need to updated the containment zones	5	High	DHARSHINI.B DHARSHINI.P.K KARTHIKA M NITHIYASHREE.S
		USN-7	**ADMIN :** I need to differentiate the containment zones based on the intensity of infection	3	Medium	DHARSHINI.B DHARSHINI.P.K KARTHIKA M NITHIYASHREE.S
Sprint-4	Service	USN-8	**ADMIN :** I need to alert the user when they enter the containment zone through the notification.	5	High	DHARSHINI.B DHARSHINI.P.K KARTHIKA M NITHIYASHREE.S
	Data Collection	USN-9	**ADMIN :** I need to store the user details on the cloud	5	High	DHARSHINI.B DHARSHINI.P.K KARTHIKA M NITHIYASHREE.S
		USN-10	**ADMIN :** I need to collect details about the containment zones from verified sources	5	High	DHARSHINI.B DHARSHINI.P.K KARTHIKA M NITHIYASHREE.S

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	24OCT 2022	29 OCT 2022	20	29 OCT 2022
Sprint-2	20	6 Days	31OCT 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)

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

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.