Project Planning Phase
Project Planning (Product Backlog, Sprint Planning, Stories, Storypoints)

Date	30 October 2022
Team ID	PNT2022TMID13289
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 and password	3	High	Kishorekumar Rohith Ramesh Mohan
		USN-2	USER: I will receive a confirmation email once I have registered for the application	2	High	Kishorekumar Rohith Ramesh Mohan
	Login (web and android)	USN-3	USER: I can log into the application by entering my 4	3	High	Kishorekumar Rohith Ramesh Mohan

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Dashboard	USN-4	USER: need to give permission to access my location	5	High	Kishorekumar Rohith Ramesh Mohan
		USN-5	As a user, I can log into the application by entering email & password	5	High	Kishorekumar Rohith Ramesh Mohan

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint 3	Service	USN 6	ADMIN: I need to update the containment zones.	5	High	Kishorekumar Rohith Ramesh Mohan
		USN 7	ADMIN: I need to differentiate the containment zones based on the intensity of infection.	3	Medium	Kishorekumar Rohith Ramesh Mohan

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint 4	Service	USN 8	ADMIN: I need to alert the user when they enter the containment zone through the notification	5	Medium	Kishorekumar Rohith Ramesh Mohan
	Data collection	USN 9	ADMIN: I need to store user details on the cloud	5	Medium	Kishorekumar Rohith Ramesh Mohan

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
		USN 10	ADMIN: I need to collect details about covid -19 cases from verified sources	5	Medium	Kishorekumar Rohith Ramesh Mohan

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	7 Days	25 Oct 2022	31 Oct 2022	20	31 Oct 2022
Sprint-2	20	6 Days	01 Nov 2022	06 Nov 2022	20	06 Nov 2022
Sprint-3	20	5 Days	07 Nov 2022	11 Nov 2022	20	11 Nov 2022
Sprint-4	20	6 Days	12 Nov 2022	17 Nov 2022	20	17 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)

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