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

Date	25 October 2022
Team ID	PNT2022TMID24049
Project Name	Project – Containment Zone Alerting Application
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	**USER:** I can register for the application by entering my email and password	3	High	Akassh M, Abinesh S, Abishek D, Harigaran K
		USN-2	**USER:** I will receive a confirmation email once I have registered for the application	2	High	Akassh M, Abinesh S, Abishek D, Harigaran K
	Login	USN-3	**USER:** I can log into the application by entering my email & password	3	High	Akassh M, Abinesh S, Abishek D, Harigaran K

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
SPRINT-2	**Dashboard**	USN-4	**USER:** I need to give permission to access my location	5	High	Akassh M, Abinesh S, Abishek D, Harigaran K
		USN-5	**USER:** I can view the map with the containment zones	5	High	Akassh M, Abinesh S, Abishek D, Harigaran K
	Service	USN-6	**ADMIN:** I need to update the containment zones.	5	High	Akassh M, Abinesh S, Abishek D, Harigaran K

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	Akassh M, Abinesh S, Abishek D, Harigaran K
		USN-8	**ADMIN:** I need to provide precautionary measures when they travel.	3	Medium	Akassh M, Abinesh S, Abishek D, Harigaran K
		USN-9	**ADMIN:** I need to provide information about the nearby hospitals	3	Low	Akassh M, Abinesh S, Abishek D, Harigaran K

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
SPRINT-4	**Service**	USN-10	**ADMIN:** I need to alert the user when they enter the containment zone through email or SMS	5	High	Akassh M, Abinesh S, Abishek D, Harigaran K
		USN-11	**ADMIN:** I need to provide medical recommendations by collaborating with hospitals.	3	Low	Akassh M, Abinesh S, Abishek D, Harigaran K
	Data collection	USN-12	**ADMIN:** I need to store user details on the cloud	5	High	Akassh M, Abinesh S, Abishek D, Harigaran K
		USN-13	**ADMIN:** I need to collect details about covid-19 cases from verified sources	5	High	Akassh M, Abinesh S, Abishek D, Harigaran K

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End)	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

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

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 burndown 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.