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

Date	25 October 2022
Team ID	PNT2022TMID00768
Project Name	Project - **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, password, and confirming my password.	3	High	B Harsha Vardhan Srivas C Vishwa S Tharun C
		USN-2	**USER:** I will receive confirmation email once I have registered for the application	2	High	B Harsha Vardhan Srivas C Vishwa S Tharun C
	Login	USN-3	**USER:** I can register for the application through Facebook	3	High	B Harsha Vardhan Srivas C Vishwa S Tharun C

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	**Dashboard**	USN-4	**USER:** I can register for the application through Gmail	5	High	B Harsha Vardhan Srivas C Vishwa S Tharun C
		USN-5	**USER:** I can log into the application by entering email & password	5	High	B Harsha Vardhan Srivas C Vishwa S Tharun C
	Service	USN-6	**ADMIN:** I need to update the containment zones.	5	High	B Harsha Vardhan Srivas C Vishwa S Tharun C

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 zone based on the intensity of infection.	3	Low	B Harsha Vardhan Srivas C Vishwa S Tharun C
		USN-8	**ADMIN:** I need to provide precautionary measures When they travel.	3	Medium	B Harsha Vardhan Srivas C Vishwa S Tharun C
		USN-9	**ADMIN:** I need to provide the information about the nearby hospitals.	3	Low	B Harsha Vardhan Srivas C Vishwa S Tharun C

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	B Harsha Vardhan Srivas C Vishwa S Tharun C
		USN -11	**ADMIN:** I need to provide medical recommendations by collaborating with hospitals.	3	Medium	B Harsha Vardhan Srivas C Vishwa S Tharun C
	Data Collection	USN -12	**ADMIN:** I need to store user details on the cloud.	5	High	B Harsha Vardhan Srivas C Vishwa S Tharun C
		USN -13	**ADMIN:** I need to collect details about covid-19 cases from verified sources.	5	High	B Harsha Vardhan Srivas C Vishwa S Tharun C

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	30 Oct 2022	20	31 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	06 Nov 2022
Sprint-3	20	6 Days	06 Nov 2022	12 Nov 2022	20	13 Nov 2022
Sprint-4	20	6 Days	13 Nov 2022	19 Nov 2022	20	19 Nov 2022

Velocity:

We have a 6-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)

$$AV = \frac{\text{sprint duration}}{\text{Velocity}} = \frac{20}{6} = 3.33$$

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.