

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

Date	30 October 2022
Team ID	<b>PNT2022TMID23042</b>
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

<b>Sprint</b>	<b>Functional Requirement (Epic)</b>	<b>User Story Number</b>	<b>User Story / Task</b>	<b>Story Points</b>	<b>Priority</b>	<b>Team Members</b>
<b>Sprint 1</b>	<b>Registration</b> (web and android)	USN-1	USER: I can register for the application by entering my email and password	6	High	Rakesh Vishal Raj Sathaiah balaji Ghulam
		USN-2	USER: I will receive a confirmation email once I have registered for the application	6	High	Rakesh Vishal Raj Sathaiah balaji Ghulam
	<b>Login</b> (web and android)	USN-3	USER: I can log into the application by entering my 4	8	High	Rakesh Vishal Raj Sathaiah balaji Ghulam

<b>Sprint</b>	<b>Functional Requirement (Epic)</b>	<b>User Story Number</b>	<b>User Story / Task</b>	<b>Story Points</b>	<b>Priority</b>	<b>Team Members</b>
<b>Sprint-2</b>	Dashboard	USN-4	USER: need to give permission to access my location	10	High	Rakesh Vishal Raj Sathaiah balaji Ghulam
		USN-5	As a user, I can log into the application by entering  email & password	10	High	Rakesh Vishal Raj Sathaiah balaji Ghulam

<b>Sprint</b>	<b>Functional Requirement (Epic)</b>	<b>User Story Number</b>	<b>User Story / Task</b>	<b>Story Points</b>	<b>Priority</b>	<b>Team Members</b>
<b>Sprint 3</b>	<b>Service</b>	USN 6	ADMIN:  I need to update the containment zones.	10	High	Rakesh Vishal Raj Sathaiah balaji Ghulam
		USN 7	ADMIN: I need to differentiate the containment zones based on the intensity of infection.	10	Medium	Rakesh Vishal Raj Sathaiah balaji Ghulam

<b>Sprint</b>	<b>Functional Requirement (Epic)</b>	<b>User Story Number</b>	<b>User Story / Task</b>	<b>Story Points</b>	<b>Priority</b>	<b>Team Members</b>
<b>Sprint 4</b>	Service	USN 8	ADMIN: I need to alert the user when they enter the containment zone through the notification	6	Medium	Rakesh Vishal Raj Sathaiah balaji Ghulam
	Data collection	USN 9	ADMIN:  I need to store user details on the cloud	6	Medium	Rakesh Vishal Raj Sathaiah balaji Ghulam

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	8	Medium	Rakesh Vishal Raj Sathaiah balaji Ghulam

**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	01 nov 2022	04 nov 2022	20	8 Nov 2022
Sprint-2	20	6 Days	04Nov 2022	08 Nov 2022	20	
Sprint-3	20	5 Days	09 Nov 2022	12 Nov 2022	20	
Sprint-4	20	6 Days	12 Nov 2022	17 Nov 2022	20	

**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)

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

**Velocity for sprint 1:**  $20/8 = 2.5$

Burndown Chart:

