

## ProjectPlanningPhase

### ProjectPlanningTemplate(ProductBacklog, SprintPlanning,Stories,Storypoints)

Date	25.10.2022
TeamID	PNT2022TMID31809
ProjectName	<b>CONTAINMENT ZONE ALERTING APPLICATION</b>
MaximumMarks	8Marks

#### ProductBacklog,SprintSchedule,andEstimation(4Marks)

Sprint	FunctionalRequirement(Epic)	UserStory Number	UserStory/Task	StoryPoints	Priority	TeamMembers
<b>SPRINT-1</b>	<b>Registration</b>	USN-1	<b>USER:</b> I can register for the application by entering my email and password	3	High	ARCHANA M KAVINKUMAR M KEERTHIVASAN V KISHORE KUMAR T
		USN-2	<b>USER:</b> I will receive a confirmation email once I have registered for the application	2	High	ARCHANA M KAVINKUMAR M KEERTHIVASAN V KISHORE KUMAR T
	<b>Login</b>	USN-3	<b>USER:</b> I can log into the application by entering my email & password	3	High	ARCHANA M KAVINKUMAR M KEERTHIVASAN V KISHORE KUMAR T

Sprint	Functional Requirement(Epic)	User Story Number	User Story/Task	Story Points	Priority	Team Members
SPRINT-2	Dashboard	USN-4	<b>USER:</b> I need to give permission to access my location	5	High	ARCHANA M KAVINKUMAR M KEERTHIVAS AN V KISHORE KUMAR T
		USN-5	<b>USER:</b> I can view the map with the containment zones	5	High	ARCHANA M KAVINKUMAR M KEERTHIVAS AN V KISHORE KUMAR T
	Service	USN-6	<b>ADMIN:</b> I need to update the containment zones.	5	High	ARCHANA M KAVINKUMAR M KEERTHIVAS AN V KISHORE KUMAR T

Sprint	Functional Requirement(Epic)	User Story Number	User Story/Task	Story Points	Priority	Team Members
SPRINT-3	Service	USN-7	<b>ADMIN:</b> I need to differentiate the containment zones based on the intensity of infection.	3	Medium	ARCHANA M KAVINKUMAR M KEERTHIVAS AN V KISHORE KUMAR T
		USN-8	<b>ADMIN:</b> I need to provide precautionary measures when they travel.	3	Medium	ARCHANA M KAVINKUMAR M KEERTHIVAS AN V KISHORE

						KUMAR T
		USN-9	<b>ADMIN:</b> I need to provide information about the nearbyhospitals	3	Low	ARCHANA M KAVINKUMAR M KEERTHIVAS AN V KISHORE KUMAR T

Sprint	Functional Requirement(Epic)	User Story Number	User Story/Task	Story Points	Priority	Team Members
SPRINT-4	Service	USN-10	<b>ADMIN:</b> I need to alert the user when they enter the containment zone through email or SMS	5	High	ARCHANA M KAVINKUMAR M KEERTHIVAS AN V KISHORE KUMAR T
		USN-11	<b>ADMIN:</b> I need to provide medical recommendations by collaborating with hospitals.	3	Medium	ARCHANA M KAVINKUMAR M KEERTHIVAS AN V KISHORE KUMAR T
	Data collection	USN-12	<b>ADMIN:</b> I need to store user details on the cloud	5	High	ARCHANA M KAVINKUMAR M KEERTHIVAS AN V KISHORE KUMAR T
		USN-13	<b>ADMIN:</b> I need to collect details about covid-19 cases from verified sources	5	High	ARCHANA M KAVINKUMAR M KEERTHIVAS AN V KISHORE KUMAR T

**Project Tracker, Velocity&BurndownChart:(4Marks)**

<b>Sprint</b>	<b>TotalStory Points</b>	<b>Duration</b>	<b>SprintStartDate</b>	<b>SprintEndDate(Planned)</b>	<b>StoryPoints Completed (as onPlannedEndDate)</b>	<b>SprintReleaseDate(Actual)</b>
Sprint-1	20	4Days	24Oct2022	28Oct2022	20	29Oct2022
Sprint-2	20	5Days	29Oct2022	03Nov2022	20	04Nov2022
Sprint-3	20	6Days	05Nov2022	11Nov2022	20	12Nov2022
Sprint-4	20	6Days	12Nov2022	17Nov2022	20	18Nov2022

**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)

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

**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.