

ProjectPlanningPhase

ProjectPlanningTemplate(ProductBacklog, SprintPlanning,Stories,Storypoints)

Date	25.10.2022
TeamID	PNT2022TMID31809
ProjectName	CONTAINMENT ZONE ALERTING APPLICATION
MaximumMarks	8Marks

ProductBacklog,SprintSchedule,andEstimation(4Marks)

Sprint	FunctionalRequirement(Epic)	UserStory Number	UserStory/Task	StoryPoints	Priority	TeamMembers
SPRINT-1	Registration	USN-1	USER: 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	USER: I will receive a confirmation email once I have registered for the application	2	High	ARCHANA M KAVINKUMAR M KEERTHIVASAN V KISHORE KUMAR T
	Login	USN-3	USER: 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	USER: I need to give permission to access my location	5	High	ARCHANA M KAVINKUMAR M KEERTHIVAS AN V KISHORE KUMAR T
		USN-5	USER: I can view the map with the containment zones	5	High	ARCHANA M KAVINKUMAR M KEERTHIVAS AN V KISHORE KUMAR T
	Service	USN-6	ADMIN: 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	ADMIN: 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	ADMIN: I need to provide precautionary measures when they travel.	3	Medium	ARCHANA M KAVINKUMAR M KEERTHIVAS AN V KISHORE

						KUMAR T
		USN-9	ADMIN: 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	ADMIN: 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	ADMIN: 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	ADMIN: I need to store user details on the cloud	5	High	ARCHANA M KAVINKUMAR M KEERTHIVAS AN V KISHORE KUMAR T
		USN-13	ADMIN: 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)

Sprint	TotalStory Points	Duration	SprintStartDate	SprintEndDate(Planned)	StoryPoints Completed (as onPlannedEndDat e)	SprintReleaseDate(Actual)
Sprint-1	20	6Days	24Oct2022	29Oct2022	20	29Oct2022
Sprint-2	20	6Days	30Oct2022	05Nov2022	20	05Nov2022
Sprint-3	20	6Days	06Nov2022	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)
periterationunit(storypointsperday)

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

Sprint Duration = 6 days

Velocity of the team = 20 points

Average Velocity (AV) = Velocity / Sprint duration

AV = 20/6

AV = 3.34

Average Velocity = 3.34

BurndownChart:

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.

