

ProjectPlanningPhase

ProjectPlanningTemplate(ProductBacklog, SprintPlanning,Stories,Storypoints)

Date	25.10.2022
TeamID	PNT2022TMID31840
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: Icanregisterfortheapplicationbyenteringmyemailandpassword	3	High	Praveen M Vivek vijay Ravitha R Diljith vijaykumar
		USN-2	USER: Iwillreceivea confirmationemailonceIhaveregisteredfortheapplication	2	High	Praveen M Ravitha R Vivek vijay Diljith vijaykumar
SPRINT-2	Dashboard	USN-4	USER: Ineedto give permissionto accessmylocation	5	High	Praveen M Ravitha R Vivek vijay Diljith vijaykumar

		USN-5	USER: I can view the map with the containment zones	5	High	Praveen M Vivek vijay Ravitha R Diljith vijaykumar
	Service	USN-6	ADMIN: I need to update the containment zones.	5	High	Praveen M Vivek vijay Raviha R Diljith vijaykumar

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	Praveen M Ravitha R Vivek vijay Diljith vijaykumar
		USN-8	ADMIN: I need to provide precautionary measures when they travel.	3	Medium	Praveen M Diljith vijaykumar Ravitha R Vivek vijay

		USN-9	ADMIN: I need to provide information about the nearbyhospitals	3	Low	Vivek vijay Praveen M Ravitha R Diljith vijay Kumar

Sprint	FunctionalRequirement(Epic)	UserStoryNumber	UserStory/Task	StoryPoints	Priority	TeamMembers
SPRINT-4	Service	USN-10	ADMIN: I need to alert the user when they enter the containment zone through email or SMS	5	High	Vivek vijay Diljith vijaykumar Ravitha R Praveen M
		USN-11	ADMIN: I need to provide medical recommendations by collaborating with hospitals.	3	Medium	Vivek vijay Praveen M Ravitha R Diljith vijaykumar
	Data collection	USN-12	ADMIN: I need to store user details on the cloud	5	High	Praveen M Vivek vijay Diljith vijaykumar Ravitha R
		USN-13	ADMIN: I need to collect details about covid-19 cases from verified sources	5	High	Ravitha R Vivek vijay Diljith vijaykumar Praveen M

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) per iteration unit (story points per day)

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

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.

