

ProjectPlanningPhase
ProjectPlanningTemplate(ProductBacklog, SprintPlanning,Stories,Story points)

Date	22 October2022
TeamID	PNT2022TMID22317
ProjectName	SmartFarmer - IoT Enabled Smart FarmingApplication
MaximumMarks	8 Marks

ProductBacklog,SprintSchedule,andEstimation(4Marks)

Use the below template to create product backlog and sprint schedule

Sprint	FunctionalRequirement(Epic)	UserStory Number	UserStory/Task	StoryPoints	Priority	TeamMembers
Sprint-1	Mobile/web user Registration	USN-1	As a client I can enlist the application by entering my email, secret word so that vibe great	10	High	Keerthika.J
Sprint-1		USN-2	As a client I need affirmation mail for enrollment	10	Medium	Kaviya.S
Sprint-2	Mobile/web user Login	USN-3	As a client I can login the application by entering my email and secret phrase so that am entering the application	10	High	DandoluLakshmitha Reddy
Sprint-2		USN-4	As a client I can login to the application by entering my telephone number so can undoubtedly go into the dashboard	10	Low	Swetha.S
Sprint-3	Monitoring and controlling	USN-5	As a client I need brilliant application so that screen the fields	3	High	DandoluLakshmithaReddy
Sprint-3		USN-6	As a client I need to realize the temperature level so that effectively realize water system timing	4	High	Swetha.S

Sprint-3		USN-7	As a client I need to check the moistness so that supportive to put water	4	Low	Keerthika.J
Sprint-3		USN-8	As a client I needs savoy application so that screen any place at whenever	5	Low	Kaviya.S
Sprint-3		USN-9	As a client I need engine control so that stop water wastage	4	High	DandoluLaksh mitha Reddy
Sprint-4	Software connection	USN-10	As an administrator I need to fulfil their clients so that associate and store in IBM I	6	Medium	DandoluLaksh mitha Reddy
Sprint-4		USN-11	As an administrator I need to make programming (hub red, IBM Watson) association so that re-enact the values	7	Medium	Swetha.S
Sprint-4		USN-12	As an administrator I need to test the application so that know it's work	7	High	Kaviya.S

Project Tracker, Velocity & Burn down 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	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	31 Oct 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	07 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	14 Nov 2022

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)

$$\text{Average Velocity} = \text{Sprint Duration} / \text{Velocity} = 20/6 = 3.33$$

Burn down Chart:

A torch outline is a graphical portrayal of work passed on to do versus time. It is frequently utilized in agile software development methodologies such asScrum. In any case, torch outlines can be applied to any project containing quantifiable advancement after some time.

