

ProjectPlanningPhase

ProjectPlanningTemplate(ProductBacklog, SprintPlanning,Stories,Storypoints)

Date	16-11-2022
TeamID	PNT2022TMID24143
ProjectName	Personal assistant for people who are self-reliant
MaximumMarks	8 Marks

ProductBacklog,SprintSchedule,andEstimation(4Marks)

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement(Epic)	User Story Number	User Story/Task	Story Points	Priority	Team Members
Sprint-1	Login	USN-1	As a admin, I can log into the application by entering username & password	5	Medium	Sathish B
Sprint-1		USN-2	When the admin doesn't enter the username it displays an error message group	3	Medium	Sathish B
Sprint-1		USN-3	When the admin doesn't enter the password it displays an error message popup	4	Medium	Sathish B
Sprint-1		USN-4	When the admin enters the invalid credentials it displays an error popup	5	Medium	Shakthivel S
Sprint-1		USN-5	When the admin enters the correct username and password it redirects to the dashboard	3	High	Shakthivel S
Sprint-2	Dashboard	USN-1	Creating a Node-Red dashboard	5	Medium	Saibalaji S M
Sprint-2		USN-2	Developing a Node-Red to publish data to IBM cloud	8	High	Saibalaji S M
Sprint-2		USN-3	Create a register form in Node-Red	7	Medium	Saibalaji S M
Sprint-3	Creating device	USN-1	Creating a device in IBM Watson IoT platform	10	High	Shakthivel S
Sprint-3	Python	USN-2	Connect the device created in Wokwi to the device created in IBM Watson IoT platform.	10	High	Saibalaji S M
Sprint-4	MIT app inventor	USN-1	Create an interface for login page and Dashboard	5	Low	Sridharan R

Sprint	Functional Requirement(Epic)	UserStory Number	UserStory/Task	StoryPoints	Priority	Team Members
Sprint-4		USN-2	ConnectMIT app toNodeRed	5	High	SridharanR
Sprint-4		USN-3	Asauser,Icankeeptrackofthemedicinetime	6	Medium	SridharanR
Sprint-4	Alert	USN-4	Retrievingthetimefromcloudantandalerttheuser throughvoicecommand	4	High	SridharanR

Project Tracker,Velosity&BurndownChart:(4Marks)

Sprint	TotalStory Points	Duration	SprintStartDate	SprintEndDate(Planned)	Story PointsCompleted (ason PlannedEndDate)	SprintReleaseDate(Actual)
Sprint-1	20	4Days	31Oct2022	3Nov2022	20	2Nov2022
Sprint-2	20	5Days	04Nov2022	8Nov2022	20	8Nov2022
Sprint-3	20	5Days	09Nov2022	13Nov2022	20	12Nov2022
Sprint-4	20	4Days	14Nov2022	17Nov2022	20	18Nov 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)

$$AV = \text{Sprint duration} / \text{Velocity}$$

$$= 20 / 18$$

$$AV = 1.11$$

Burndown Chart:

A burn down 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.

<https://www.visual-paradigm.com/scrum/scrum-burndown-chart/>
<https://www.atlassian.com/agile/tutorials/burndown-charts>

Burndown Chart

