

Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)

Date	02-11-2023
Team ID	609498
Project Name	Vande Bharat
Maximum Marks	20 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

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	Project Setup & Infrastructure	USN-1	Set up the development environment with the required tools and frameworks to start the vande bharat analysis	2	High	Arvind Garg
Sprint-1	Development Environment	USN-2	Gather a dataset containing the data of vande bharat about their routes, time & capacityetc.	1	High	Arvind Garg
Sprint-2	Data Pre-Processing	USN-3	Pre-process the collected dataset by removing the unwanted columns and Handling the Null values and feature	2	Low	Arvind Garg

				scaling the data and at last we have to separate the dependent and independent Variables and we have to separate the data as training data and splitting data					
Sprint-3	Data Development	USN-4		We have to analyze the problem and make best visuals that suits the problem.and make dashboard and write story for visuals we made.	2	Medium		Arvind Garg	
Sprint-4	Data Deployment	USN-5		We have to deploy the dashboard and story on web page.	1	High		Arvind Garg	
				Now we have to use the testing data and we have to search for bugs.					

Project Tracker, Velocity & Burndown 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	21 Oct 2023	29 Oct 2023	20	29 Oct 2022
Sprint-2	20	6 Days	26 Oct 2023	05 Nov 2023		
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2023		
Sprint-4	20	6 Days	14 Nov 2023	19 Nov 2023		
Sprint-5	20	6 Days	14 Nov 2023	19 Nov 2023		

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)

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

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>

Reference:

<https://www.atlassian.com/agile/project-management>

<https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software>

<https://www.atlassian.com/agile/tutorials/epics>

<https://www.atlassian.com/agile/tutorials/sprints>

<https://www.atlassian.com/agile/project-management/estimation>

<https://www.atlassian.com/agile/tutorials/burndown-charts>