

Project Planning Phase

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

Date	1 NOVEMBER 2022
Team ID	PNT2022TMID48673
Project Name	Estimate The Crop Yield Using Data Analytics
Maximum Marks	8 Marks

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

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	JYOTHIKA.B, KARUNIAA.J.S
		USN-2	As a user, I will receive confirmation email once I have registered for the application	2	High	KARUNIAA.J.S
		USN-3	As a user, I can register for the application through Gmail	2	Medium	POWSIKA DEVI.K
	Login	USN-4	As a user, I can log into the application by entering email & password	2	High	POWSIKA DEVI.K MADHUMITHA.P
	Working with the Dataset	USN-5	To work on the given dataset, Understand the Dataset.	2	High	JYOTHIKA.B, KARUNIAA.J.S
		USN-6	Load the dataset to the Cloud platform then Build the required Visualizations.	10	High	KARUNIAA.J.S POWSIKA DEVI.K

Sprint-2	Data Visualization Chart	USN-7	Using the Crop production in Indian dataset, create various graphs and charts to highlight the insights and visualizations. Build a Visualization to showcase Average Crop Production by Seasons.	4	Medium	JYOTHIKA.B, KARUNIAA.J.S POWSIKA DEVI.K MADHUMITHA.P
			Showcase the Yearly usage of Area in Crop Production.	4	Medium	JYOTHIKA.B
Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
			Build a visualization to showcase the top 10 States in Crop Yield Production by Area.	4	Medium	KARUNIAA.J.S
			Build the required Visualization to showcase the Crop Production by State.	4	Medium	KARUNIAA.J.S, POWSIKA DEVI.K
			Build Visual analytics to represent the States with Seasonal Crop Production using a Text representation.	4	Medium	JYOTHIKA.B, KARUNIAA.J.S POWSIKA DEVI.K MADHUMITHA.P
Sprint-3	Creating The dashboard	USN-8	Create the Dashboard by using the created visualizations.	20	High	JYOTHIKA.B, KARUNIAA.J.S POWSIKA DEVI.K MADHUMITHA.P
Sprint-4	Export The Analytics	USN-9	Export the created Dashboard	20	High	JYOTHIKA.B, KARUNIAA.J.S POWSIKA DEVI.K MADHUMITHA.P

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	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 Nov 2022

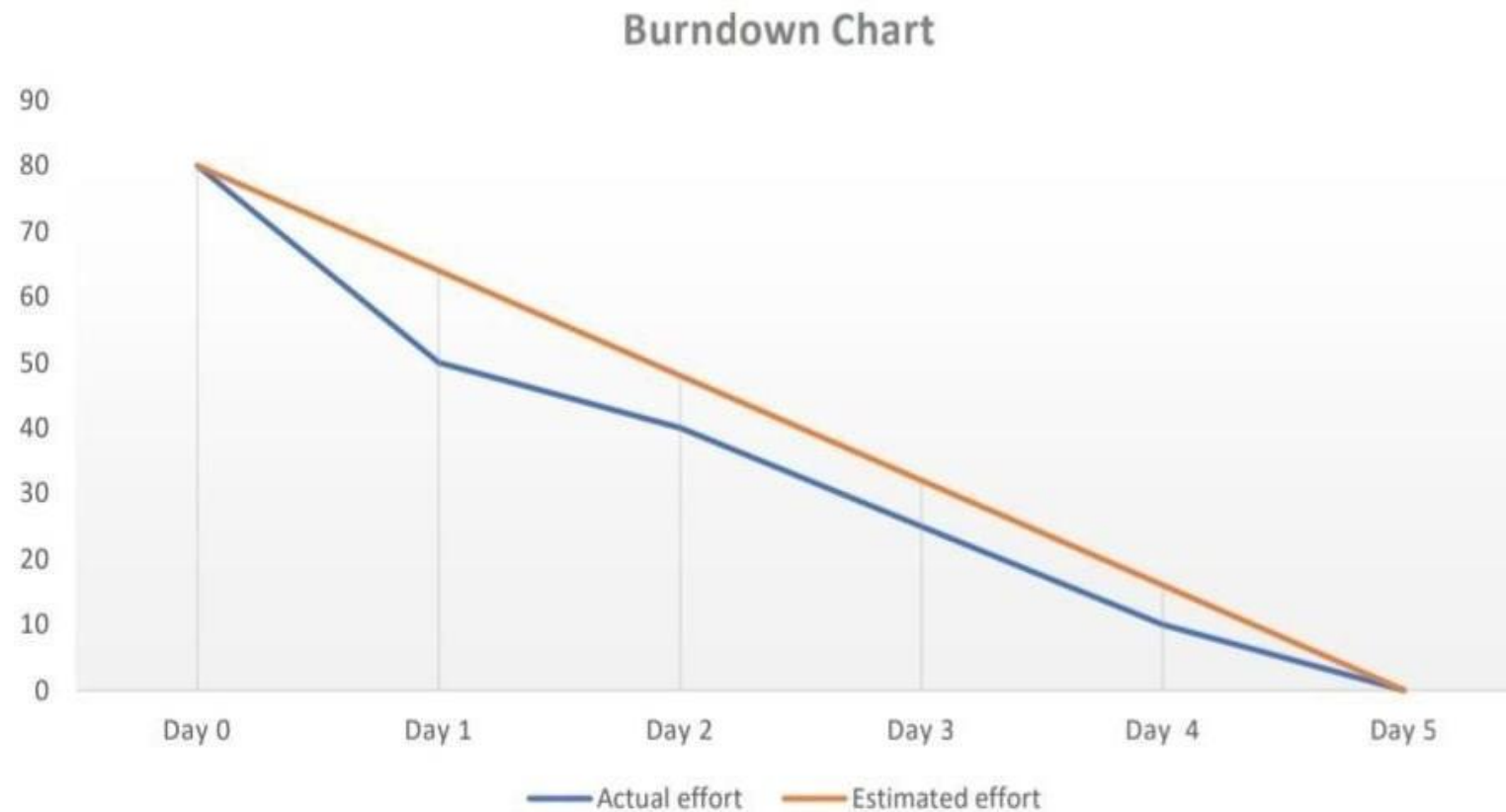
Velocity:

We have a 6-day sprint duration, and the velocity of the team is 20 (points per sprint). Let us calculate the team's average velocity (AV) per iteration unit (story points per day).

$$AV = \text{Sprint Duration} / \text{Velocity} = 20/6 = 3.3$$

Burndown Chart:

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.



Project tracking using Jira software: (tool-Jira software)

Jira Software

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Dashboards

People

Apps

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Q Search

?

RS

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Software project

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Backlog

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Reports

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X

Projects / Visualizing and predicting heart disease with an interactive dashboard

VPHDWID Sprint 1

RS

SP

SR

Epic

5 days remaining

Complete sprint

GROUP BY

None

Insights

TO DO 4 ISSUES

As a user, I can register for the application by entering my email, password, and confirming my password

REGISTRATION

VPHDWID-1

RS

As a user, I will receive confirmation email once I have registered for the application

IN PROGRESS

DONE

+

Quickstart

X

Activate Windows

Report Burndown chart:

