

PROJECT PLANNING PHASE

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

Date	26 October 2023
Team ID	Team 591194
Project Name	Pediatric Allergies Unveiled:A Tableau Exploration of Prevalence and Demographics
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 credentials and confirming my password	2	High	Usha Sree
Sprint 1	Registration	USN-2	As a user,I will receive a confirmation email once I have registered for the application	1	High	Sree Venkat
Sprint 2	Registration	USN-3	As a user, I can register for the application through Facebook	1	Low	Prasanna
Sprint 2	Registration	USN-4	As a user, I can register for the application through Gmail	2	Medium	Usha Sree
Sprint 3	Login	USN-5	As a user,I can log into the application by entering my email and password	1	High	Sree Venkat

Sprint 3	Dashboard	USN-6	As a user,I can access my personalized dashboard for viewing pediatric allergy prevalence and demographics data	3	High	Prasanna
Sprint 4	Data Collection	USN-7	As a Data analyst, I can collect and integrate pediatric allergy data from various sources	5	High	Sree Venkat
Sprint 4	Data Integration	USN-8	As a Data analyst,I can perform data cleaning and integration to ensure accuracy	3	Medium	Usha Sree
Sprint 5	Data Analysis	USN-9	As a Data analyst, I can create visualizations and dashboards using Tableau	3	High	Sree Venkat
Sprint 6	Reporting	USN-10	As a Data analyst I can generate reports on pediatric allergy trends and insights	3	Medium	Sree Venkat
Sprint 6	Machine Learning	USN-11	As a Data analyst, I can implement Machine learning models to implement predictive analysis on pediatric allergy trends	5	High	Prasanna

Project Tracker, Velocity & Burndown chart: (4 Marks)

Sprint	Total Story Points	Duration	Sprint Start Date(Planned)	Sprint End Date(Planned)	Story Points Completed (as on planned End Date)	Sprint Release Date (Actual)
Sprint-1	3	5 Days	5 Oct 2023	9 Oct 2023	20	9 Oct 2023
Sprint-2	3	6 Days	11 Oct 2023	16 Oct 2023		
Sprint-3	4	4 Days	18 Oct 2023	21 Oct 2023		
Sprint-4	8	4 Days	23 Oct 2023	26 Oct 2023		
Sprint-5	3	7 Days	28 Oct 2023	3 Nov 2023		
Sprint-6	8	5 Days	5 Nov 2023	9 Nov 2023		

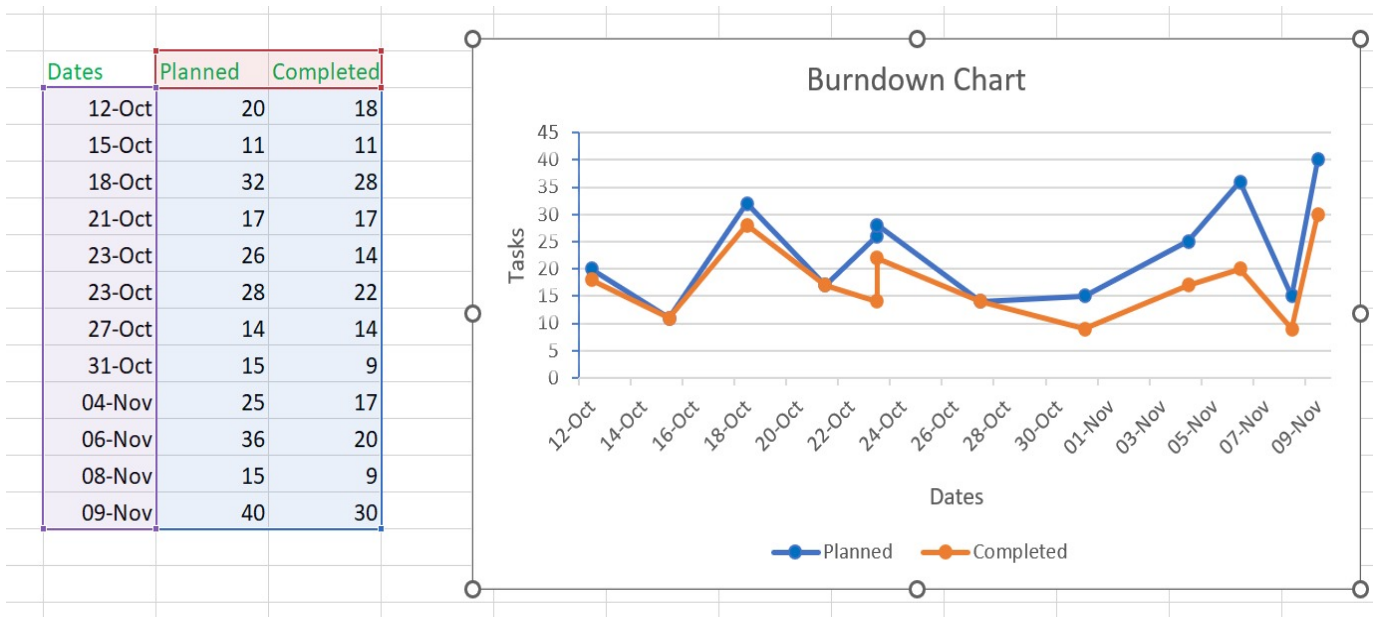
Velocity:

Imagine we have a 36-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)

$$AV = \frac{\text{sprint duration}}{\text{velocity}} = \frac{36}{20} = 1.8$$

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. Here is the Burndown chart for our project *“Pediatric Allergies Unveiled”*.



Board Section

Search board

PR

SK

UI

TO DO 2

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Choose and set up data analysis tools and software (e.g., Python, R, or specific analytics platforms).
🕒 02 NOV
📌 PA-10

⌵

Gather user requirements for the data analytics application. Conduct interviews with stakeholders to understand their needs.
🕒 07 NOV
📌 PA-11

⌵

+ Create

IN PROGRESS 2

...

Conduct statistical and exploratory data analysis on the pediatric allergy dataset. Identify patterns, trends, and correlations in the data.
🕒 03 NOV
📌 PA-12

⌵

Create data visualizations, such as graphs, charts, and heatmaps to represent the analysis results.
🕒 31 OCT
📌 PA-13

⌵

DONE 3

...

Collect pediatric allergy-related data from various sources. Clean and preprocess the data to remove inconsistencies and errors.
🕒 16 OCT
📌 PA-8

✓ ⌵

Data Collection and Cleaning
Data collection is complete, and the dataset is cleaned and ready for analysis.
🕒 21 OCT
📌 PA-15

✓ ⌵

Project Planning
Project planning, including defining scope and objectives, is finalized.
🕒 26 OCT
📌 PA-16

✓ ⌵

Backlog Section

Projects / Pediatric Allergies

Backlog



SK



Epic 4

Clear filters



Import work



Insights



View settings

Epic ×

Issues without epic

>

Project Design Phase

>

Project Planning Phase

>

Project Development Phase

>

Performance & Final Submission Phase

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Create epic

▼ Sprint 4

23 Oct – 26 Oct (2 issues)

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Complete sprint

▲

SCRUM-7 collect and integrate pediatric aller...

IN PROGRESS

-

SCRUM-8 perform data cleaning and integrat...

IN PROGRESS

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Create issue

▼ Sprint 5

Add dates (1 issue)

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Start sprint

SCRUM-9 create visualizations and dashboar...

TO DO

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+

Create issue

1 issue

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Estimate: 0

▼ Sprint 6

Add dates (2 issues)

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Start sprint

SCRUM-10 generate repor

↓

More results

TO DO

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SCRUM-11 implement Machine learning mo...

TO DO

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Timeline

