PROJECT PLANNING PHASE

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

Date	26 October 2023
Team ID	Team 591276
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	Yaash Ashwin M
Sprint 1	Registration	USN-2	As a user,I will receive a confirmation email once I have registered for the application	1	High	Kanishk Kumar
Sprint 2	Registration	USN-3	As a user, I can register for the application through Facebook	1	Low	Rishi Kumar
Sprint 2	Registration	USN-4	As a user, I can register for the application through Gmail	2	Medium	Harshitha Davuluri
Sprint 3	Login	USN-5	As a user,I can log into the application by entering my email and password	1	High	Yaash Ashwin M

Sprint 3	Dashboard	USN-6	As a user,I can access my personalized dashboard for viewing pediatric allergy prevalence and demographics data	3	High	Yaash Ashwin M
Sprint 4	Data Collection	USN-7	As a Data analyst, I can collect and integrate pediatric allergy data from various sources	5	High	Kanishk Kumar
Sprint 4	Data Integration	USN-8	As a Data analyst,I can perform data cleaning and integration to ensure accuracy	3	Medium	Yaash Ashwin M
Sprint 5	Data Analysis	USN-9	As a Data analyst, I can create visualizations and dashboards using Tableau	3	High	Rishi Kumar
Sprint 6	Reporting	USN-10	As a Data analyst I can generate reports on pediatric allergy trends and insights	3	Medium	Yaash Ashwin M
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	Kanishk Kumar

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		

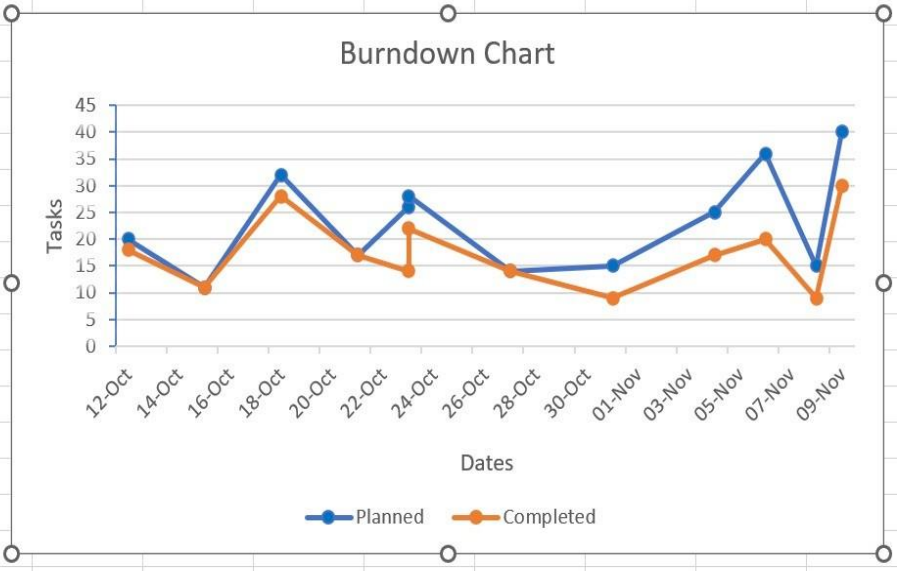
Velocity:

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)

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

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*".

Dates	Planned	Completed
12-Oct	20	18
15-Oct	11	11
18-Oct	32	28
21-Oct	17	17
23-Oct	26	14
23-Oct	28	22
27-Oct	14	14
31-Oct	15	9
04-Nov	25	17
06-Nov	36	20
08-Nov	15	9
09-Nov	40	30