

Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stories, Storypoints)

Date	09 November 2022
Team ID	PNT2022TMID01342
Project Name	Analytics for Hospital Health Care Data
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	Data Collection	USN-1	As a user, I need to gather the data in the form of CSV/XLS and clean the data	2	High	R ADITHYA
Sprint-1	Upload dataset	USN-2	As a user, I can view health care data	1	Low	R ADITHYA
Sprint-1	Data Preparation	USN-3	As a user, I need to filter it for Data visualization.	2	High	R ADITHYA
Sprint-2	Data visualization	USN-4	As a user, I can easily visualize the data in the form of charts.	6	Medium	K CHARAN
Sprint-3	Dashboard	USN-5	As a user,I can view the summary of the health care data set and get a clear understanding about the length of stay of patients.	4	Medium	C LINGES HWARAN

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Dashboard	USN-6	As a user, I must be able to gain insights from the charts/graphs through a variety of relationships established in the dashboard.	4	Medium	C LINGES HWARAN
Sprint- 4	Report	USN-7	As a user, I can view the list of categorized health care data and their details as a report.	5	High	V MOHANRAJ
Sprint-4	Story	USN-8	As a user, I can view health care data and different fields involving health care data information as a story.	5	High	V MOHANRAJ

Project Tracker, Velocity & Burn down Chart: (4 Marks)

Sprints	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	5	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	6	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	8	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	10	19 Nov 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)

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

Iteration unit (story points per day)

SPRINT	TOTAL STORY POINTS	DURATION	AVERAGE VELOCITY
SPRINT-1	5	6 Days	5/6 = 0.833
SPRINT-2	6	6 Days	6/6 = 1
SPRINT-3	8	6 Days	8/6 = 1.33
SPRINT-4	10	6 Days	10/6 = 1.66

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.

Overall Burndown Chart:



