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

Date	09 November 2022
Team ID	PNT2022TMID00874
Project Name	Analytics for Hospital Health Care Data
Maximum Marks	8 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	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	Dinesh Kumar M, Devesh R
Sprint-1	Login	USN-2	As a user, I need valid credentials to log in to my application.	1	High	Dinesh Kumar M, Devesh R
Sprint-1	Data Collection	USN-3	As a user, I need to gather the data in the form of CSV/XLS and clean the data	2	High	Dinesh Kumar M, Devesh R
Sprint-2	Upload dataset	USN-4	As a user, I can view the data of the Patients in Hospital.	1	Low	Bhuvanesh Kumar S, Devesh R
Sprint-2	Data Preparation	USN-5	As a user, I need to filter it for Data visualization.	3	High	Bhuvanesh Kumar S, Devesh R
Sprint-2	Data visualization	USN-6	As a user, I can easily visualize the data in the form of charts.	4	Medium	Bhuvanesh Kumar S, Devesh R
Sprint-3	Dashboard	USN-7	As a user, I can view the summary of the patent id and ward facility code by the help of dashboard.	2	Medium	Dinesh Kumar M, Devesh R

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Dashboard	USN-8	As a user, I must plan visualizations in a way that I'm able to gain insights regarding the no of patients in each department	4	High	Dinesh Kumar M, Devesh R

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Dashboard	USN-9	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	Dinesh Kumar M, Devesh R
Sprint- 4	Report	USN-10	As a user, I can view the extra beds in each department and hospital and their details as a report.	5	High	Daniel Ebenezer, Devesh R
Sprint-4	Story	USN-11	As a user, I can view severity of illness and more additional information as a story.	5	High	Daniel Ebenezer, Devesh R

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	8	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	10	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	14	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)

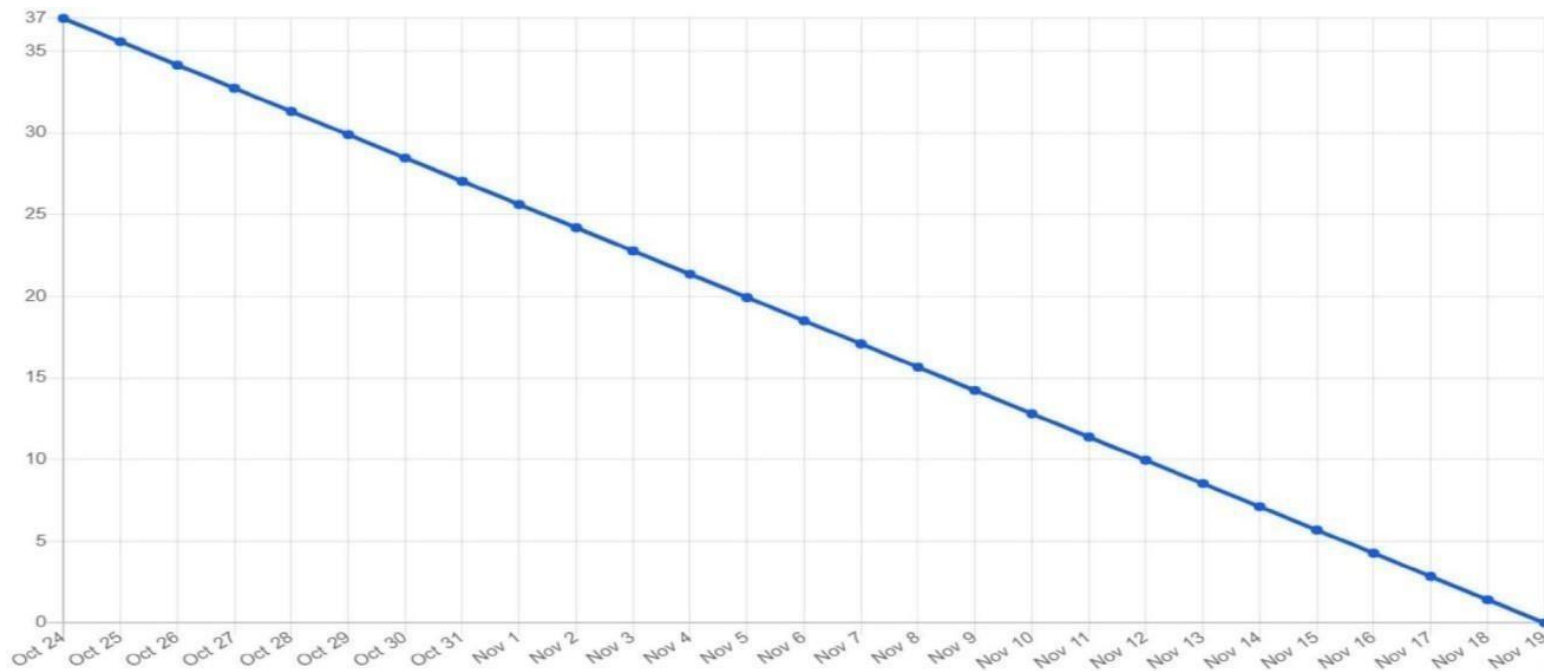$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

Iteration unit (story points per day)

SPRINT	TOTAL STORY POINTS	DURATION	AVERAGE VELOCITY
SPRINT-1	5	6 Days	5/6 = 0.833
SPRINT-2	8	6 Days	8/6 = 1.33
SPRINT-3	10	6 Days	10/6 = 1.66
SPRINT-4	14	6 Days	14/6 = 2.33

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:

| | 4 | 28 | 26 | 27 | 28 | 29 | 30 | 34 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 40 | jj | j2 | j3 | 4 | 45 | 46 | 47 | 48 |

Sprints

GSDA Sprint 1   GSDA Sprint 2   GSDA Sprint 3   GSDA Sprint 4

* @   GSDA-1   Data Collection

* @   GSDA-2   Data Filteration

* @   GSDA-3   Data Visualizations

* @   GSDA-4   Dashboard Creation

* @   GSDA—5   Reports

* @   GSDA-6   Story

+ Create Epic

Today | Weeks | Months | Quarters | g''