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

Date	18 October 2022
Team ID	PNT2022TMID21545
Project Name	Analytics for Hospital's 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	Analysing and Visualizing Hospital health care data	USN-1	As a patient, I want to visualize the hospital health care data.	10	Medium	Sanjaykumar, Jeya Ganesh
Sprint-1		USN-2	As a patient, I want the relationship between various attributes in the dataset.	5	Medium	Jeswin, Rahul Hariesh
Sprint-2	Dashboard	USN-3	As a user, I want an interactive dashboard to understand the data easily.	5	High	Jeswin, Sanjaykumar
Sprint-2		USN-4	As a patient, I want to find the available rooms in each hospital.	3	Medium	Jeya Ganesh
Sprint -2		USN-5	As a user, I want to see be able to change the visualizations to my convenience	2	Low	Rahul Hariesh
Sprint-3	Prediction of LOS	USN-6	As a patient, I want to predict length of stay in different hospitals so that I can plan accordingly.	7	High	Jeya Ganesh, Rahul Hariesh

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3		USN-7	As a Hospital manager, I want to predict the length of stay so that I can allot the hospital room accordingly	3	Medium	Sanjaykumar
Sprint-3		USN-8	As a user, I want a easily understandable UI to get my prediction	3	Low	Jeswin
Sprint-4	Monitoring user response and Model Accuracy	USN -9	As a Patient, I want to know the system accuracy so that I can believe prediction is correct	5	Medium	Rahul Hariesh
Sprint-4		USN-10	As a Patient, I want to give user response	2	Medium	Jeswin
Sprint-4	Admin Login	USN-11	As the admin,I want to login to the admin dashboard.	3	Low	Sanjaykumar
Sprint-4	Admin Dashboard	USN-12	As the admin ,I need to be able to monitor the user responses.	2	Medium	Sanjaykumar
Sprint-4		USN-13	As an admin , I want to be able to update the dataset for the model training and monitor the accuracy.	3	High	Jeya Ganesh

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

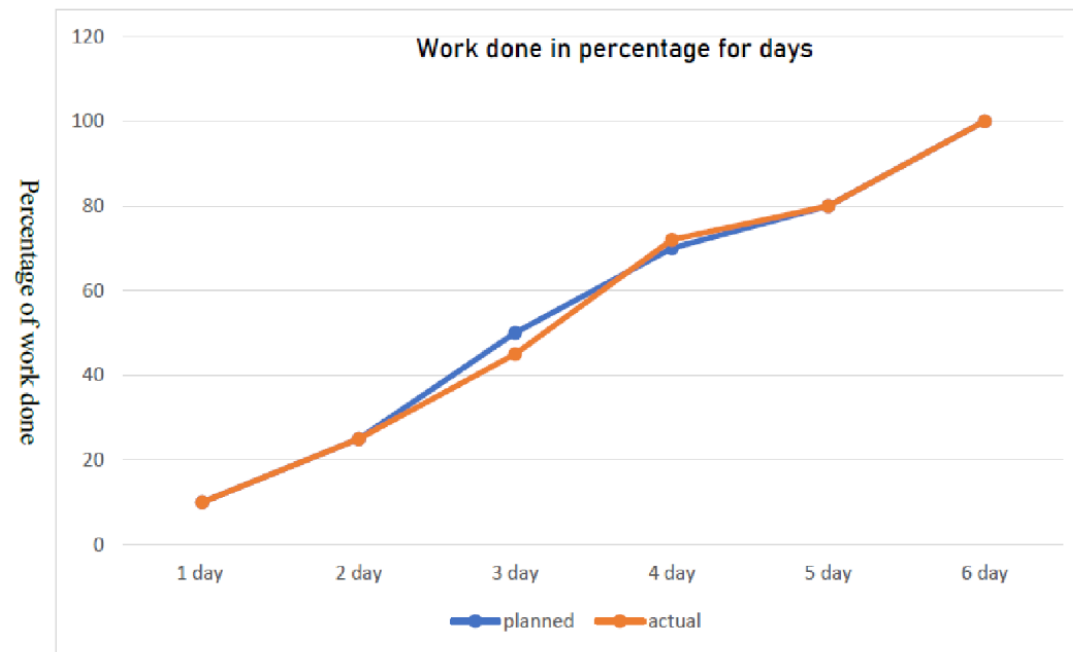| Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	15	6 Days	24 Oct 2022	29 Oct 2022	10	
Sprint-2	10	6 Days	31 Oct 2022	05 Nov 2022		
Sprint-3	13	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	15	6 Days	14 Nov 2022	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)

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

Sprint	Total Story points	Sprint duration	Average velocity
Sprint -1	15	6 days	15/6=2.5
Sprint -2	10	6 days	10/6=1.67
Sprint -3	13	6 days	13/6=2.16
Sprint -4	15	6 days	15/6=2.5

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.

https://www.visual-paradigm.com/scrum/scrum-burndown-chart/
https://www.atlassian.com/agile/tutorials/burndown-charts

Reference:
https://www.atlassian.com/agile/project-management
https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software
https://www.atlassian.com/agile/tutorials/epics
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