Project Planning Phase

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

Date	25 October 2022
Team ID	PNT2022TMID27483
Project Name	Project - Analytics for Hospitals Healthcare Data
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Use the below template to create a product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Register	USN-1	As an Admin, I can register users and provide usernames and passwords.	10	Medium	Joy Infanta J
Sprint-1	Login	USN-2	As a user, I can log in to the website/ application using username and password	10	Medium	Joy Infanta J
Sprint-2	Data Preparation, Exploration and Visualization	USN-3	As a user, I need a visualized dashboard of the number of beds occupied and the number of free beds in a hospital	20	High	Infant Benita L
Sprint-2	Dashboard	USN-4	As a user, I can add Patient Details like Patient name, contact number, age,etc.	20	High	Judes Jovina W
Sprint-3	Dashboard	USN-5	As a user, I want the interactive dashboard to analyze the data. Have the data in terms of Graph.	20	High	Ponmani PR
Sprint-3	Dashboard	USN-6	As a user, I can upload patient medical reports and maintain records.	10	Medium	Infant Benita L
Sprint-4	Predict LOS	USN-7	As a user, I want a flawless system to predict the patient's length of stay.	20	High	Ponmani PR

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

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint EndDate (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	22 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	40	6 Days	31 Oct 2022	05 Nov 2022	40	05 Nov 2022
Sprint-3	30	6 Days	7 Nov 2022	12 Nov 2022	30	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	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)

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

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.