Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID12449
Project Name	Analytics for Hospitals' 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	Collecting the dataset	USN-1	Collecting the required hospital dataset	10	Medium	Sam Alvin Ajith Kumar Sudarsanan Muthukumar
Sprint-1	Loading the dataset and working	USN-2	Loading the given dataset	10	High	Muthukumar Sudarsanan Ajith Kumar Sam Alvin
Sprint-2	Data Exploration	USN-3	Understanding the data set which was loaded in the IBM Cognos	10	High	Muthukumar Ajith Kumar Sudarsanan Sam Alvin
Sprint-3	Data Visualization	USN-4	Implementing the visualisation and creating charts,pivot table	10	Medium	Sudarsanan Sam

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Dashboard creation	USN-5	Comparing various types of charts using dashboard	10	Medium	Muthukumar AjithKumar
Sprint-4	Report	USN-6	Generate the report with help of dashboard	10	High	Sudarsanan Sam AjithKumar Muthukumar
Sprint -4	Report	USN -7	Export the report and upload it in repository	10	Low	Sam Alvin Muthukumar

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	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	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 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

https://www.atlassian.com/agile/tutorials/sprints

https://www.atlassian.com/agile/project-management/estimation

https://www.atlassian.com/agile/tutorials/burndown-charts