Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID21554
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 , Visualizing , and Data Preparation Hospital health care data	USN-1	As a user, I want to collect the details regarding to hospitals data As a patient, I want to visualize the hospital health care data.	10	Medium	Shujat Hussain, Sri Ram Prasad S
Sprint-1		USN-2	As a patient, I want to load the data, and data has to be prepared	5	Medium	Surya S, Namgail Dorjay
Sprint-2	Exploration of data	USN-3	As a patient/user I want to explore all the details in the given in the dataset	3	Medium	Sri Ram Prasad S,

Sprint -2		USN-4	As a user, I want to visualize all the details in the dataset in different formats	2	Low	Namgail Dorjay
Sprint-3	Prediction of LOS	USN-5	As a patient/user I want an interactive dashboard to understand the data easily As a patient, I want to predict length of stay in the hospitals	7	High	Sri Ram Prasad S, Surya S

Sprint-4	Monitoring user response and Model Accuracy	USN -6	As a Patient, I want to monitor the model/system accuracy	5	Medium	Surya S
Sprint-4	Admin Dashboard	USN-7	As an admin I want to create a report.	2	Medium	Shujat Hussain, Sri Ram Prasad S

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

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

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	20	
Sprint-3	13	6 Days	07 Nov 2022	12 Nov 2022	20	
Sprint-4	15	6 Days	14 Nov 2022	19 Nov 2022	20	

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)

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/projectmanagement**
https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software
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