Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID35649
Project Name	Visualizing and Predicting Heart Diseases with an Interactive Dash Board
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	Arrangement of data set	USN-1	Upload the dataset in IBM Cognos platform and create data module	5	High	Sai Krishna
Sprint-1		USN-2	Clean the data and create simple visualizations using python libraries	3	High	Adhetya Narayan, Kavin B
Sprint-2	Exploring data and creating model	USN-3	As an analyst, I would like to find relationships between attributes to understand its importance.	2	Low	Paavendhan K.S
Sprint-2		USN-4	Use python to analyse correlation between variables. Visualised in the form of correlation matrix and use classifier algorithms like decision tree.	3	Medium	Adhetya Narayan
Sprint-2		USN-5	Create various visualizations using IBM Cognos	3	High	Sai Krishna, Paavendhan K.S
Sprint -3	Dashboard	USN -6	Create dashboard in IBM Cognos to get a clear understanding of visualizations	3	Medium	Kavin B
Sprint -3	Story	USN -7	As an analyst, I will IBM Cognos to create a story to understand the animated presentation of dataset	3	Medium	Paavendhan K.S

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint -4	Creation of web page	USN-8	Create webpage so that users can easily access the dashboard and story created in IBM Cognos	5	High	Adhetya Narayan

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	5	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	5	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	5	14 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	5	18 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)

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