Project Planning Phase

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

Team ID	PNT2022TMID20641
Project Name	Visualizing and Predicting Heart Diseases with an Interactive Dash Board
Maximum Marks	8 Marks

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

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	Registration	USN-1	As a user, I can register by entering the id card and request..	2	High	Sushmitha Jai Kumar Siva Sankari Manjula Devi Vignesh Lakshmanan
		USN-3	As a user, I can register for the application through Gmail	2	Medium	Sushmitha Jai Kumar Siva Sankari Manjula Devi Vignesh Lakshmanan
	Login	USN-4	As a user, I can Call and request or Approach for dataset	4	High	Sushmitha Jai Kumar Siva Sankari Manjula Devi Vignesh Lakshmanan

	Working with the Dataset	USN-5	To work on the given dataset, Understand the Dataset.	2	High	Sushmitha Jai Kumar Siva Sankari Manjula Devi Vignesh Lakshmanan
		USN-6	Load the dataset to Cloud platform then Build the required Visualizations.	10	High	Sushmitha Jai Kumar Siva Sankari Manjula Devi Vignesh Lakshmanan
Sprint-2	Data Visualization Chart	USN-7	Average Age for different types of Chest pain in Existing Heart Diseases	4	Medium	Sushmitha Jai Kumar Siva Sankari Manjula Devi Vignesh Lakshmanan
			Average Exercise Angina during Chest Pain	4	Medium	Sushmitha Jai Kumar Siva Sankari Manjula Devi Vignesh Lakshmanan

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
			Average age for different Chest Pain types	4	Medium	Sushmitha Jai Kumar Siva Sankari Manjula Devi VigneshLakshman
			BP variation with respect to Age.	4	Medium	Sushmitha Jai Kumar Siva Sankari Manjula Devi Vignesh Lakshmanan

			Dashboard showing different types of Visuals	4	Medium	Sushmitha Jai Kumar Siva Sankari Manjula Devi VigneshLaksh
			Effect of existing Heart Disease on Average of Exercise Angina	4	Medium	Sushmitha Jai Kumar Siva Sankari Manjula Devi Vignesh Lakshmanan
			Maxium Heart Rate in Existing Heart Disease by Exercise Angina	4	Medium	Sushmitha Jai Kumar Siva Sankari Manjula Devi Vignesh Lakshmanan
Sprint-3	Creating The dashboard	USN-8		20	High	Sushmitha Jai Kumar Siva Sankari Manjula Devi Vignesh Lakshmanan
Sprint-4	Export The Analytics	USN-9			High	Sushmitha Jai Kumar Siva Sankari Manjula Devi Vignesh Lakshmanan

Project Tracker, Velocity & Burn down 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:

We have a 24-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 = Sprint Duration / Velocity = 24 / 20 = 1.2

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.