Project Planning Phase

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

Date	08 NOVEMBER 2022
Team ID	PNT2022TMID46647
Project Name	Classification of Arrhythmia by Using Deep Learning with 2-D ECG Spectral Image Representation
Maximum Marks	8 Marks

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

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Dataset	USN-1	Download the Dataset.	1	High	Dhanvarshini R
Sprint-1		USN-2	Image Processing	1	High	Divya N
Sprint-2		USN-3	Build the Model	2	High	Aruna K
Sprint-2		USN-4	Train the Model	2	High	AstaLakshmi G
Sprint-2		USN-6	Test the model	1	Medium	Divya N
Sprint-3	Website	USN-7	Create HTML files to build the website	1	High	Dhanvarshini R

Sprint-3	Python	USN-8	Python code for building the application	2	High	Aruna K
Sprint-4		USN-9	Run the Application	2	High	Astalakshmi G
Sprint-4		USN-10	Train the model on IBM Watson	1	Medium	Aruna K

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	4 Days	06 Nov 2022	10 Nov 2022	20	10 Nov 2022
Sprint-2	20	4 Days	10 Oct 2022	14 Nov 2022	20	14 Nov 2022
Sprint-3	20	4 Days	14 Nov 2022	18 Nov 2022	20	18 Nov 2022
Sprint-4	20	4 Days	18 Nov 2022	22 Nov 2022	20	22 Nov 2022

Velocity:

Imagine we have a 4-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)

$$AV = \frac{\text{Sprint duration}}{\text{Velocity}} = \frac{20}{4} = 5$$