Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID00644
Project Name	Classification of Arrhythmia using Deep Learning with 2-D ECG Spectral Image Representation
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	Dataset	USN-1	Download the dataset	1	High	Nivedha Dhuneesha Divya Preethi
Sprint-1		USN-1	Image preprocessing	1	High	Nivedha Dhuneesha Divya Preethi
Sprint-1		USN-1	Model building	1	High	Nivedha Dhuneesha Divya Preethi
Sprint-2	Website	USN-1	Create HTML files	1	High	Nivedha Dhuneesha Divya Preethi
Sprint-3	Python	USN-5	Build python code for application building	1	Medium	Nivedha Dhuneesha Divya Preethi

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4		USN-6	Run the application	2	High	Nivedha Dhuneesha Divya Preethi
Sprint-4		USN-7	Train the model on IBM cloud	1	Medium	Nivedha Dhuneesha Divya Preethi

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	2 Days	04 Nov 2022	06 Nov 2022	20	06 Nov 2022
Sprint-2	20	2 Days	06 Nov 2022	08 Nov 2022	40	08 Nov 2022
Sprint-3	20	2 Days	08 Nov 2022	10 Nov 2022	60	10 Nov 2022
Sprint-4	20	2 Days	10 Nov 2022	12 Nov 2022	80	12 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)

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

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