Project Planning Phase

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

Date	21 October 2022
Team ID	PNT2022TMID48857
Project Name	A Gesture-based Tool for Sterile browsing of Radiology Images
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 and necessary packages	USN-1	Download the dataset and install the necessary packages.	2	High	S.Rithiga G.Kalaivani J.Kohila G.Valarmathi
Sprint-1	Image preprocessing	USN-2	Preprocess the images.	1	High	S.Rithiga G.Kalaivani J.Kohila G.Valarmathi
Sprint-2	Model building	USN-3	Train, save and test the model.	2	High	S.Rithiga G.Kalaivani J.Kohila G.Valarmathi
Sprint-3	User interface	USN-4	Create a front end part of the webpage using HTML,CSS,JavaScript.	2	High	S.Rithiga G.Kalaivani J.Kohila G.Valarmathi
Sprint-4	Flask application	USN-5	Build a back end application using flask.	1	High	S.Rithiga G.Kalaivani J.Kohila G.Valarmathi
Sprint-4	Run the application	USN-6	Run the whole application and verify the output.	2	High	S.Rithiga G.Kalaivani J.Kohila G.Valarmathi

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

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