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

Date	22 October 2022
Team ID	PNT2022TMID06155
Project Name	Project - 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	Data Collection	USN-1	Download the Dataset	10	High	Mohanasundaram M,
						Sarath M,
Sprint-1		USN-2	Image Pre-processing	10	High	Lokesh S,
						Mariraj K,
Sprint-1		USN-3	Import and Configure the Image Data	10	High	Mohanasundaram M,
			Generator Library and Class			Sarath M,
						Dhayalan M,
						Lokesh S
Sprint-1		USN-4	Apply Image Data Generator	10	High	Mohanasundaram M,
			Functionality to Train-Set and Test-Set			Mariraj K
Sprint-2	Model Building USN-5	USN-5	Import the Model Building Libraries and Initializing the Model	10	High	Lokesh S,
						Sarath M,
						Dhayalan M,
						Mariraj K
		USN-6	Adding CNN Layers and Dense Layers	10	High	Mohanasundaram M,
Sprint-2						Lokesh S,
						Dhayalan M,
						Sarath M

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2		USN-7	Configure the Learning Process	10	High	Mariraj K, Lokesh S
Sprint-2		USN-8	Train the Model, Save the Model and Test the Model	10	High	Mohanasundaram M, Sarath M, Lokesh S, Mariraj K, Dhayalan M
Sprint-3	Application Building	USN-9	Create Web Application using HTML, CSS, JavaScript	10	Medium	Mohanasundaram M, Sarath M, Lokesh S, Mariraj K, Dhayalan M
Sprint-3		USN-10	Build Python code	10	High	Mohanasundaram M, Sarath M, Lokesh S, Mariraj K, Dhayalan M
Sprint-3		USN-11	Run the Application	10	High	Mohanasundaram M, Sarath M, Lokesh S, Mariraj K, Dhayalan M
Sprint-4	Train The Model on IBM	USN-12	Register for IBM Cloud	10	High	Mohanasundaram M, Sarath M, Lokesh S, Mariraj K, Dhayalan M

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4		USN-13	Train the Model and Test the Model and its Overall Performance	10	High	Mohanasundaram M, Sarath M, Lokesh S, Mariraj K, Dhayalan M

Project Tracker, Velocity & Burndown Chart: (4 Marks)

Sprint	Total Story	Duration		Sprint End	Story Points Completed (as on Planned	Sprint Release Date (Actual)
	Points		Date	Date (Planned)	End Date)	
Sprint-1	10	6 Days	24 Oct 2022	29 Oct 2022	10	29 Oct 2022
Sprint-2	10	6 Days	31 Oct 2022	05 Nov 2022	10	05 Nov 2022
Sprint-3	10	6 Days	07 Nov 2022	12 Nov 2022	10	12 Nov 2022
Sprint-4	10	6 Days	14 Nov 2022	19 Nov 2022	10	19 Nov 2022

Velocity:

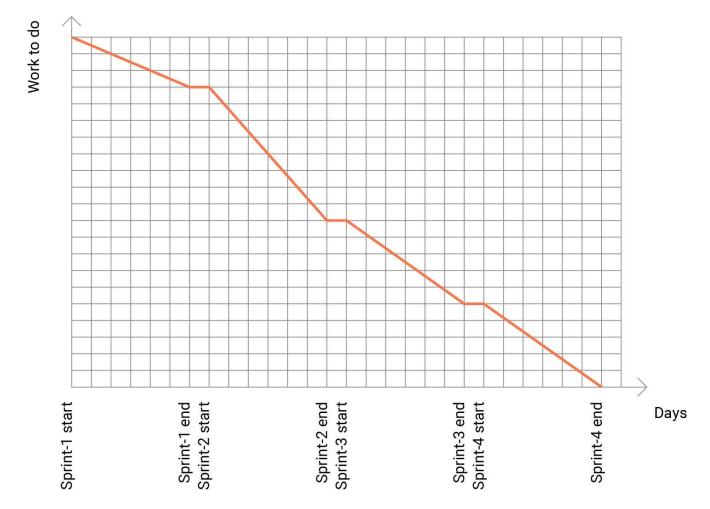
Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

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

$$AV = 10/6 = 1.67$$

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.



https://www.visual-paradigm.com/scrum/scrum-burndown-chart/

https://www.atlassian.com/agile/tutorials/burndown-charts

Reference:

https://www.atlassian.com/agile/project-management

https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software

https://www.atlassian.com/agile/tutorials/epics

https://www.atlassian.com/agile/tutorials/sprints

https://www.atlassian.com/agile/project-management/estimation

https://www.atlassian.com/agile/tutorials/burndown-charts