

Project Planning Phase

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

Date	06 November 2022
Team ID	PNT2022TMID00819
Project Name	Project – Global Sales Data Analytics
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	Collect the dataset or Create the dataset	2	High	Nanda Kumar B, Paul Allan T, Om Prasath M, Nareshkumar C
Sprint-2	Image Preprocessing	USN-2	Importing the required libraries and Loading Train data and Test data . Quantifying images with Label Encoding	1	High	Nanda Kumar B, Paul Allan T, Om Prasath M, Nareshkumar C
Sprint-3	Model Building	USN-3	Training the model, Testing the model , Model Evaluation, Saving the model	2	Low	Nanda Kumar B, Paul Allan T, Om Prasath M, Nareshkumar C
Sprint-4	Application Building	USN-4	Create an HTML file and and Build Python Code	2	Medium	Nanda Kumar B, Paul Allan T, Om Prasath M, Nareshkumar C

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	10	
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	0	
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	0	
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	0	

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)

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

Burn Down 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.

Expected Burndown Chart:

