Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID50649
Project Name	Intelligent Vehicle Damage Assessment and Cost Estimator for Insurance Companies
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	Data Collection	1	Medium	Arun Kumar M
Sprint-1	Data Collection	USN-2	Split Test and Train Dataset	1	High	Viswa R
Sprint-1	Data Collection	USN-3	Load Image Data Generator	2	High	Jeyanth Kumar L
Sprint-1	Data Collection	USN-4	Apply Image Data Generator to Test Dataset	2	Medium	Karthik S
Sprint-1	Data Collection	USN-5	Apply Image Data Generator to Train Dataset	2	Medium	Sabin Rakesh M
Sprint-2	Model Building	USN-6	Build the Model	3	High	Karthik S
Sprint-2	Model Building	USN-7	Add Layers to the Model	3	High	Arun Kumar M
Sprint-2	Model Building	USN-8	Compile the Model	3	Medium	Viswa R
Sprint-2	Train the Model	USN-9	Fit the Model	3	High	Jeyanth Kumar L

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Train the Model	USN-10	Save the Model	2	Medium	Sabin Rakesh M
Sprint-3	Testing the Model	USN-11	Load the Saved Model	2	Medium	Arun Kumar M
Sprint-3	Testing the Model	USN-12	Load the Test Samples	3	Medium	Viswa R
Sprint-3	Testing the Model	USN-13	Pre-process the test Samples	3	Medium	Jeyanth Kumar L
Sprint-3	Testing the Model	USN-14	Predict the Image Sample	5	High	Karthik S
Sprint-3	Testing the Model	USN-15	Evaluate the Model for few more Validation	5	High	Sabin Rakesh M
Sprint-4	Application Building	USN-16	Build the HTML Page	4	Medium	Karthik S
Sprint-4	Application Building	USN-17	Build the Flask Application	4	Medium	Arun Kumar M
Sprint-4	Application Building	USN-18	Bind the Model with the Flask Application	5	High	Viswa R
Sprint-4	Application Building	USN-19	Train Model in IBM Cloud	4	High	Jeyanth Kumar L
Sprint-4	Application Building	USN-20	Host the Application in IBM Cloud	3	High	Sabin Rakesh M

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	8	1 Days	04 Nov 2022	04 Nov 2022	8	06 Nov 2022
Sprint-2	14	1 Days	04 Nov 2022	04 Nov 2022	13	06 Nov 2022
Sprint-3	18	3 Days	04 Nov 2022	06 Nov 2022	18	08 Nov 2022
Sprint-4	20	4 Days	06 Nov 2022	09 Nov 2022	On-progress	-

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)

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

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.