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

Date	29 October2022
Team ID	PNT2022TMID27051
Project Name	Intelligent Vehicle Damage Assessment & Cost Estimator for Insurance Companies
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	As a user, I should be able to register in the application.	3	Medium	Ganesh A R, Harish D, Hemanth Raj S N, Ignesh Andrews S
Sprint-1	Authentication	USN-2	The registered user should be authenticated and verified and logged in.	2	Low	Ganesh A R, Harish D, Hemanth Raj S N, Ignesh Andrews S
Sprint-2	Dataset upload and creating dashboards.	USN-3	As a user I must capture images of my vehicle and upload it into the web portal	2	Medium	Ganesh A R, Harish D, Hemanth Raj S N, Ignesh Andrews S
Sprint-2		USN-4	I present the data using analytical tools and present the data using charts and graphs.	3	Medium	Ganesh A R, Harish D, Hemanth Raj S N, Ignesh Andrews S
Sprint-3	Model creation and testing	USN-5	As a user I must receive a detailed report of the damages present in the vehicle and the cost estimated	5	High	Ganesh A R, Harish D, Hemanth Raj S N, Ignesh Andrews S

Sprint-4	Details about estimated cost based on damage	USN-6	As a user, I need to get support from developers in case of queries and failure of service provided	5	High	Ganesh A R, Harish D, Hemanth Raj S N, Ignesh Andrews S

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	5	6 Days	24 Oct 2022	29 Oct 2022	5	29 Oct 2022
Sprint-2	5	6 Days	31 Oct 2022	05 Nov 2022	5	05 Nov 2022
Sprint-3	5	6 Days	07 Nov 2022	12 Nov 2022	5	12Nov2022
Sprint-4	5	6 Days	14 Nov 2022	19 Nov 2022	5	19Nov2022

Velocity:

We have an 6-day sprint duration, and the velocity of the team is 4 (points per sprint). To calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV = \frac{SPRINT\ DURATION}{VELOCITY} = \frac{6}{4} = 1.5$$