

Project Planning Phase
Project Planning

Date	22 October 2022
Team ID	PNT2022TMID01018
Project Name	Intelligent Vehicle Damage Assessment and 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 can register for the application by entering my email, password, and confirming my password.	2	High	Team members 2 & 4
Sprint-1	Login	USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Team members 3 & 4
Sprint-1	Dashboard	USN-3	As a user, I can register for the application through Facebook	1	Medium	Team members 1 & 3
Sprint-2	Dashboard	USN-4	As a user, I can register for the application through Gmail	1	High	Team members 1 & 2
Sprint-1	Repeated login and logout	USN-5	As a user, I can log into the application by entering email & password	2	High	Team members 2 & 3
Sprint-2	Webpage	USN-6	As a user, I have to capture images of my damaged vehicle and upload it into the web portal	1	High	Team members 1 & 4

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Details about estimated cost based on damage	USN-7	As a user, I must receive a detailed report of the damages present in the vehicle and the cost estimated	1	High	All team members
Sprint-4	Provide friendly and efficient customer support and sort out the queries	USN-8	As a user, I need to get support from developers in case of queries and failure of service provided	2	High	All team members

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	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	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)

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