

Project Planning Phase

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

Date	04 NOVEMBER 2022
Team ID	PNT2022TMID16910
Project Name	Intelligent Vehicle Damage Assessment & 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	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	4	Medium	Aravindh Balamurugan
Sprint-1	Login	USN-2	As a user, I will receive a confirmation email once I have registered for the application.	8	High	Aravindh
Sprint-2	Dashboard	USN-3	As a user, I can register for the application through Facebook.	1	High	Aravindh Jaganathan
Sprint-2	Gmail access	USN-4	As a user, I can register for the application through Gmail.	2	Low	Dinesh Balamurugan
Sprint-3	Uploading car damaged image	USN-5	As a user, I can log into the application by entering email & password.	6	Medium	Aravindh
Sprint-3	Cost details based on damage	USN-6	It gives the insurance cost based on the damage.	6	Medium	Balamurugan
Sprint-4	Effective customer support	USN-7	We provide excellent user assistance for the application for insurance	4	Medium	Dinesh
Sprint-4	To complete the customer work	USN-8	We will respond to customer needs in a good way without mistakes.	8	High	Aravindh Jaganathan

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. 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)

$$\begin{aligned}AV &= \frac{\text{Sprint duration}}{\text{Velocity}} \\&= 20/6 \\&= \mathbf{3.33}\end{aligned}$$

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.

