

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

Date	18 November 2022
Team ID	PNT2022TMID45779
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 (Dataset)	USN-1	As a user, I will download dataset of gestures for this project.	2	High	Abilash Jesaiya K, Anthony martinleo S, Saruthi Alis Clinden J, Mahalingam B, Boomika K.

Sprint-1	Image Preprocessi ng	USN-2	As a user, I will import necessary librariesfor configuration of image datagenerator and applying them to test and train dataset.	2	High	Abilash Jesaiya K, Anthonymartinleo S, Saruthi Alis Clinden J, Mahalingam B, Boomika K.
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Sprint-2	Model Building	USN-3	As a user, I can import necessary libraries and models of CNN and adding Dense layers.	2	Low	Abilash Jesaiya K, Anthonymartinleo S, Saruthi Alis Clinden J, Mahalingam B, Boomika K.
Sprint-2	Model Building	USN-4	As a user, I will train, save and test the model.	2	Medium	Abilash Jesaiya K, Anthonymartinleo S, Saruthi Alis Clinden J, Mahalingam B, Boomika K.
Sprint-3	Application Building	USN-5	As a user, I create html front page (CSS for styling webpage and JS to connect back end).	1	High	Abilash Jesaiya K, Anthonymartinleo S, Saruthi Alis Clinden J, Mahalingam B, Boomika K.

Sprint-3	Applicati on Building	USN-6	As a user, I use python flask for buildingback end(for server side scripting).	2	High	Abilash Jesaiya K, Anthonymartinle o S, Saruthi Alis Clinden J, Mahalingam B, Boomika K.
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Sprint-3	Application Building	USN-7	As a user, going to run the application by combining both front end and back end.	2	High	Abilash Jesaiya K, Anthony martinle p S, Saruthi Alis Clinden J, Mahalingam B, Boomika K.
Sprint-4	Train the model on IBM	USN-8	As a user, register for IBM cloud.	1	Medium	Abilash Jesaiya K, Anthony martinle p S, Saruthi Alis Clinden J, Mahalingam B, Boomika K.
Sprint-4	Train the model on IBM	USN-9	As a user, train the model on IBM and integrate it with the flask application.	2	High	Abilash Jesaiya K, Anthony martinle p S, Saruthi Alis Clinden J, Mahalingam B, Boomika K.

Project Tracker, Velocity & Burndown Chart: (4 Marks)

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as onPlanned 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

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

saverage velocity (AV) periteration unit (story points per day)