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

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Date	15 November 2022
Team ID	PNT2022TMID25741
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	Praveen S Meganathan V Sriram D Mohan Raj M Reekash B
Sprint-1	Image Preprocessing	USN-2	As a user, I will import necessary libraries for configuration of image datagenerator and applying them to test and train dataset.	2	High	Praveen S Meganathan V Sriram D Mohan Raj M Reekash B

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Model Building	USN-3	As a user, I can import necessary libraries and models of CNN and adding Dense layers.	2	Low	Praveen S Meganathan V Sriram D Mohan Raj M Reekash B
Sprint-2	Model Building	USN-4	As a user, I will train, save and test the model.	2	Medium	Praveen S Meganathan V Sriram D Mohan Raj M Reekash B
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	Praveen S Meganathan V Sriram D Mohan Raj M Reekash B
Sprint	**Functional Requirement (Epic)**	**User Story Number**	**User Story / Task**	**Story Points**	**Priority**	**Team Members**
Sprint-3	Application Building	USN-6	As a user, I use python flask for building back end(for server side scripting).	2	High	Praveen S Meganathan V Sriram D Mohan Raj M Reekash B

Sprint-3	Application Building	USN-7	As a user, going to run the application by combining both front end and back end.	2	High	Praveen S Meganathan V Sriram D Mohan Raj M Reekash B
Sprint-4	Train the model on IBM	USN-8	As a user, register for IBM cloud.	1	Medium	Praveen S Meganathan V Sriram D Mohan Raj M Reekash B
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	Praveen S Meganathan V Sriram D Mohan Raj M Reekash B

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)

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