Project Planning Phase

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

Date	29 October 2022
Team ID	PNT2022TMID22103
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 an owner of a particular vehicle, I can log into the application by entering email & password.	2	High	Challa Rajakumari Hemalatha G Monika M Krishnan M SamWilferd M
Sprint-1	User Confirmation	USN-2	As an owner of a particular Vehicle , I will receive confirmation email once I have registered for the application.	1	Medium	Challa Rajakumari Hemalatha G Monika M Krishnan M SamWilferd M
Sprint-1	Login	USN-3	As an owner of a particular vehicle, I can log into the application by entering email & password.	2	High	Challa Rajakumari Hemalatha G Monika M Krishnan M SamWilferd M
Sprint-2	Data Collection	USN-1	Download the dataset used in intelligent vehicle damage assessment & cost estimator for insurance companies.	2	High	Challa Rajakumari Hemalatha G Monika M Krishnan M SamWilferd M

Sprint-2	Image Pre Processing	USN-1	Improve the image data that suppresses unwilling distortions or enhances some image features important for further processing, although performing some geometric transformations of images like rotation, scaling, etc.	2	High	Challa Rajakumari Hemalatha G Monika M Krishnan M SamWilferd M
Sprint-3	Model Building	USN-1	Define the model architecture and adding CNN layer and testing , saving the model.	2	High	Challa Rajakumari Hemalatha G Monika M Krishnan M SamWilferd M
Sprint-3	Cloud DB	USN-1	Below are steps that need to follow for creating and using cloud service. • Register & login to IBM cloud • Create service instance • Creating service credentials • Launch cloud DB • Create database	2	High	Challa Rajakumari Hemalatha G Monika M Krishnan M SamWilferd M
Sprint-4	Application Building	USN-1	Building a web application that is integrated into the model we built. A UI is provided to the user where he has uploaded the image. Based on the saved model, the uploaded image will be analyzed and prediction is showcased on the UI.	2	High	Challa Rajakumari Hemalatha G Monika M Krishnan M SamWilferd M
Sprint-4	Train The Model On IBM	USN-1	Build Deep learning model and computer vision Using the IBM cloud.	2	High	Challa Rajakumari Hemalatha G Monika M Krishnan M SamWilferd M

Project Tracker, Velocity & Burn down 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	4 Days	24 Oct 2022	27 Oct 2022	20	29 Oct 2022
Sprint-2	20	5 Days	28 Oct 2022	01 Nov 2022	20	04 Nov 2022
Sprint-3	20	8 Days	02 Nov 2022	09 Nov 2022	20	11 Nov 2022
Sprint-4	20	9 Days	10 Nov 2022	18 Nov 2022	20	19 Nov 2022

Velocity :

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= Sprint duration/Velocity
= 20/6
= 3

Burn down 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.