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

Date	1 November2022
Team ID	PNT2022TMID24494
Project Name	Project -Deep Learning Fundus Image Analysis for Early Detection of Diabetic Retinopathy
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

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 or phone number and password, and confirming my password	10	Medium	Bharath Raj Senthil Kumar
Sprint-1	Login	USN-2	As a user, I can log into the application by entering Login credentials	10	Medium	Bharath Raj Senthil Kumar
Sprint-2	Upload Images	USN-3	As a user, I should be able to upload the image of eye Retina.	15	Medium	Rameswaran Karthick
Sprint-2	Dashboard	USN-4	As a user, based on my requirement I can navigate through the dashboard.	15	Medium	Rameswaran Karthick

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Train the model	Task-1	As a developer, the dataset will be uploaded and trained by a developed algorithm.	10	Medium	Bharath Raj Senthil Kumar
Sprint-4	Testing & Evaluation	Task-2	As a developer, we tested the trained model using the provided dataset and model will be evaluated for accurate results.	10	Medium	Bharath Raj Senthil Kumar
Sprint-4	Display predicted result	USN-5	As a user, I can view the predicted result in the dashboard.	10	Medium	Rameswaran Karthick

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 6-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)

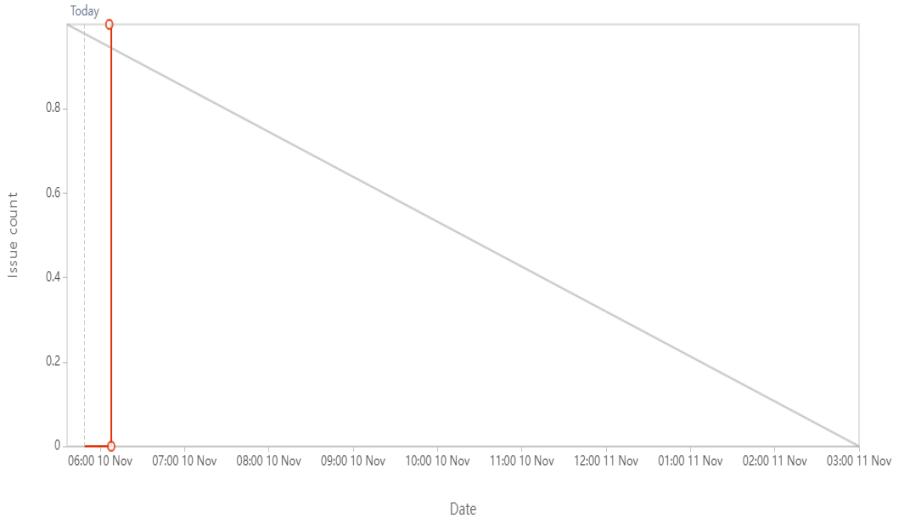
$$AV = \frac{sprint\ duration}{velocity}$$

AV=20/6

AV=3.33

Burndown Chart:

A burndown 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.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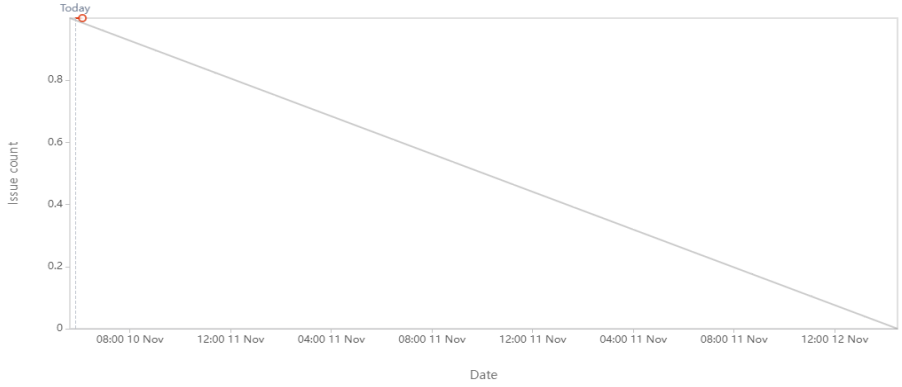
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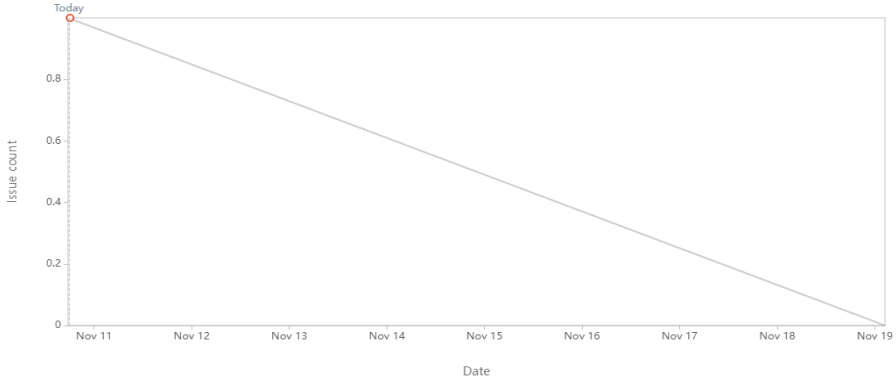
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Nov 19
Date

Sprint 1 ,2,3,4