Project Planning Phase

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

Date	18 October 2023
Team ID	PNT2022TMID-591789
Project Name	A Deep Learning Expedition into Monkeypox Skin Lesions
Maximum Marks	8 Marks

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

Sprint	Functional Requirement(Epic)	User Story Number	UserStory/Task	Story Points	Priority	Team Members
Spirit 1	Collecting the data	USN-1: Collecting the dats so that the model can be trained	To train the model we will be needing datasets	11	High	AARIZ ZAFAR
Spirit 1	Segmenting the data into different classes	USN-2: Classifying the images into diseased and not diseased	The model will need 2 classes to where there will be images of a person with the disease and a person who Is not suffering from the diseases	9	High	AARIZ ZAFAR
Spirit 2	Model training	Using ResNet50, to train the model	The model has to be trained on this data so that it can classify and predict.	20	HIGH	AARIZ ZAFAR
Spirit 3	Model Prediction and evaluation	The model has to evaluated	The models evaluation will be done and the accuracy score will be calculated.	20	HIGH	AARIZ ZAFAR
Spirit 4	Web interface development and app development	USN-5: We need an interface, app where we can upload the image to classify it	The image will be uploaded locally so that it can be classified	20	Medium	AARIZ ZAFAR, PRAKALP

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 2023	29 Oct 2023	20	29 Oct 2023
Sprint-2	20	6 Days	31 Oct 2023	05 Nov 2023	20	05 Nov 2023
Sprint-3	20	6 Days	07 Nov 2023	12 Nov 2023	20	12 Nov 2023
Sprint-4	20	6 Days	14 Nov 2023	19 Nov 2023	20	19 Nov 2023
Sprint-4	20	6 Days	17 Nov 2023	18 Nov 2023	20	19 Nov 2023

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)

$$AV = \text{Sprint duration}/\text{velocity}$$
$$= 20/4$$
$$= 5$$