Project Planning Phase

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

Date	07 November 2022
Team ID	**PNT2022TMID43225**
Project Name	Deep learning fundus image analysis for early detection of Diabetic Retinopathy
Maximum Marks	8 Marks

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

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	As the user I must register my Mobile Number, Email ID With Password.	10	High	Narmadha .R
Sprint-1	security	USN-2	Only the registered candidate can access the application.	10	medium	
Sprint-2	process	USN-3	The dataset is taken and the obtained dataset is preprocessed and training and testing paths are established.	20	Low	Soundharya .B
Sprint-3	Model Building	USN-4	Creating a model and training and testing according to the dataset.	20	Medium	Fariza .A
Sprint-4	Application	USN-5	The created models and other such platforms are linked to the application and the uploading of fundus image results in detection level of DR.	20	High	Madhubala .K

SPRINT	PROGRESS
Sprint 1	Project objectives, project flow, Prior Knowledge ,Data collection, Image preprocessing, module building
Sprint 2	Data preprocessing
Sprint 3	Train CNN module on IBM
Sprint 4	Project delivery

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	27Oct 2022	04 Nov 2022	20	29 Oct 2022
Sprint-2	20	6 Days	04Oct 2022	08 Nov 2022	30	30 Oct 2022
Sprint-3	20	6 Days	08 Nov 2022	12 Nov 2022	49	06 Nov 2022
Sprint-4	20	6 Days	12Nov 2022	15 Nov 2022	50	07 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)

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

Burndown 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.