Project Planning Phase

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

Team ID	PNT2022TMID16461
Project Name	Project - A Gesture-based Tool for Sterile Browsing of Radiology Images.

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	Import the Required packages, dataset and training the model	USN-1	To analyse the hand gesture and to set the integrated camera to collect the image and observe the injured patient.	2	High	Frahison T Mohanraj A Srinath S Srinivasan M
Sprint-2	Testing of model	USN-2	The collected data are categorized on the basis of parameters set to identify the model building libraries and initializing the model, Adding CNN layers and dense layers to configure the learning processes by storing the datasets in server.	1	High	Frahison T Mohanraj A Srinath S Srinivasan M
Sprint-3	Model Building Reviewing the model	USN-3	The main task is to check that the model is efficient to work in real time. Therefore, smallest of error decoded needed to be corrected to avoid future lags	2	Medium	Frahison T Mohanraj A Srinath S Srinivasan M
Sprint-4	Implementing the model	USN-4	The model after testing all its functionalities is been implemented at Hospital in the surgery room to get quick responses from the model.	2	High	Frahison T Mohanraj A Srinath S Srinivasan M

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	15	06 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	10	14 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	5	20 Nov 2022

Velocity:

$$Team\ Velocity = \frac{\Sigma\ \text{Sprint}\ 1\ +\ \text{Sprint}\ 2 + \cdots}{Total\ Sprint} = \frac{20 + 15 + 10 + 5}{4} = 12.5$$

$$AV = \frac{Team\ Velovity}{Duration} = \frac{12.5}{6} = 2.08$$

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.