Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID35486
Project Name	A Gesture - Based Tool for Sterile Browsing of Radiology Images
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	Building IBM Watson Assistant	USN-1	Building the IBM Watson account	10	High	TM – 1 TM – 4
Sprint-1		USN-2	Collection of datasets and doing necessary prerequisites	10	High	TM – 2 TM – 3
Sprint-2	Modelling	USN-3	Creation of model so that it must predict correct hand gestures	10	Hign	TM – 1 TM – 2
Sprint-2		USN-4	Enhance the accuracy of model and adding additional features	10	Medium	TM – 3 TM – 4
Sprint-3	User Interface and Testing	USN-5	Creating a User Interface like web page	10	High	TM – 2 TM – 4
Sprint - 3		USN-6	As a user I must capture images of hand and upload it into the web portal and produce correct testing results	10	High	TM – 1 TM – 3
Sprint - 4	Model Improvision	USN-7	As a user I must receive a correct hand gesture as output	10	High	TM – 1 TM – 2
Sprint - 4		USN-8	Additional features can be made and collecting of feedback from the user to improve the quality	10	Medium	TM – 3 TM –4

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 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)

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

AV = sprint duration / velocity = 20/6 = 3.33

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.