Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID07118
Project Name	Project - 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	Data collection, Model Building (Training and Testing the model)	USN-1	Collect the hand gesture data set. Import the required libraries. Compile the model, train and save the model and test the model.	2	High	Sivaranjani M, Surikutchi Vaishnavi
Sprint-1	Downloading Flask	USN-2	Download flask to develop a web application	1	High	Sivaranjani M, Rithik R, Surikutchi Vaishnavi, Viyanney Maria Joseph H
Sprint-1	Registration	USN-3	To register for the application by entering the email, password, and confirming my password.	2	High	Rithik R, Viyanney Maria Joseph H
Sprint-1	Login	USN-4	To create a login for the application by entering email & password	2	High	Rithik R, Viyanney Maria Joseph H
Sprint-2	About	USN-5	I can click on the “About” to get the idea on Gesture based tool for sterile browsing of radiology images	2	Low	Sivaranjani M, Surikutchi Vaishnavi
Sprint-2	Launch	USN-6	To create launch function which allows us to upload our images	3	High	Rithik R, Viyanney Maria Joseph H
Sprint-3	Predict	USN-7	Create functions to predict the images	3	High	Sivaranjani M, Surikutchi Vaishnavi
Sprint-4	Deployment	USN-8	To deploy the project in IBM cloud	3	High	Rithik R, Viyanney Maria Joseph H

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	7	6 Days	24 Oct 2022	29 Oct 2022	7	29 Oct 2022
Sprint-2	5	6 Days	31 Oct 2022	05 Nov 2022	5	31 Oct 2022
Sprint-3	3	6 Days	07 Nov 2022	12 Nov 2022	3	07 Nov 2022
Sprint-4	3	6 Days	14 Nov 2022	19 Nov 2022	3	14 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 = 18/6 = 3

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.

https://www.visual-paradigm.com/scrum/scrum-burndown-chart/

https://www.atlassian.com/agile/tutorials/burndown-charts

Reference:

https://www.atlassian.com/agile/project-management

https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software

https://www.atlassian.com/agile/tutorials/epics

https://www.atlassian.com/agile/tutorials/sprints

https://www.atlassian.com/agile/project-management/estimation

https://www.atlassian.com/agile/tutorials/burndown-charts