Project Planning Phase

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

Date	22 October 2022
Team ID	PNT2022TMID07214
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)

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Manipulating images through gestures	USN-1	As a User (Doctor), I need to resize the image during operation.	2	High	Pavithra S
	Manipulating images through gestures	USN-2	As a User (Doctor), I need to blur the image during operation.	2	High	Lavanya M Deepika T
	Launching the webcam/camera	USN-3	As a user, I need to open the webcam/camera from the application to perform gestures	1	Low	NandhaKumar S
	Upload images from local system for manipulation	USN-4	As a user, I need upload images to the application from local system for manipulation	2	Medium	NandhaKumar S
	Accessing the User Interface (UI)	USN-5	As a user, I need interact with software and operate the application with the help of UI	2	Medium	Lavanya M
	Application/Software Launch	USN-6	As a user, I can launch the developed application/software.	1	Low	Deepika T

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Manipulating images through gestures	USN-1	As a User (Doctor), I need to reshape the image during operation.	2	High	Lavanya M Deepika T
	Launching the webcam/camera	USN-2	As a user, I need to open the webcam/camera from the application to perform gestures	1	Low	NandhaKumar S
	Upload images from local system for manipulation	USN-3	As a user, I need upload images to the application from local system for manipulation, training and testing.	2	Medium	Lavanya M
	Accessing the User Interface (UI)	USN-4	As a user, I need interact with software and operate the application with the help of UI	2	Medium	Pavithra S
	Application/Software Launch	USN-5	As a user, I can launch the developed application/software.	1	Low	NandhaKumar S
	Display the result/output	USN-6	As a user, I can see the sterile browsed/manipulated image on the screen with respect to the gesture performed	2	High	Deepika T NandhaKumar S
Sprint-3	Manipulating images through gestures	USN-1	As a User (Doctor), I need to rotate the image during operation for better view.	2	High	Lavanya M NandhaKumar S
	Launching the webcam/camera	USN-2	As a user, I need to open the webcam/camera from the application to perform gestures	1	Low	Pavithra S
	Upload images from local system for manipulation	USN-3	As a user, I need upload images to the application from local system for manipulation, training and testing.	2	Medium	NandhaKumar S
	Accessing the User Interface (UI)	USN-4	As a user, I need interact with software and operate the application with the help of UI	2	Medium	Lavanya M
	Application/Software Launch	USN-5	As a user, I can launch the developed application/software.	1	Low	Pavithra S

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
	Display the result/output	USN-6	As a user, I can see the sterile browsed/manipulated image on the screen with respect to the gesture performed	2	High	NandhaKumar S Deepika T
Sprint-4	Manipulating images through gestures	USN-1	As a User (Doctor), I need to blur, resize,zoom in ,zoom out and rotate the image during operation using gestures to avoid infection.	2	High	NandhaKumar S Pavithra S Deepika T Lavanya M
	Launching the webcam/camera	USN-2	As a user, I need to open the webcam/camera from the application to perform gestures	1	Low	Pavithra S
	Upload images from local system for manipulation	USN-3	As a user, I need upload images to the application from local system for manipulation, training and testing.	2	Medium	Deepika T
	Accessing the User Interface (UI)	USN-4	As a user, I need interact with software and operate the application with the help of UI	2	Medium	Lavanya M
	Application/Software Launch	USN-5	As a user, I can launch the developed application/software.	1	Low	Pavithra S
	Display the result/output	USN-6	As a user, I can see the sterile browsed/manipulated image on the screen with respect to the gesture performed	2	High	NandhaKumar S Pavithra S Deepika T Lavanya 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	10	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	10	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	10	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	10	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 = 10/6 = 1.66