

Project Planning Phase

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

Date	22 October 2022
Team ID	PNT2022TMID17973
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	Data Collection	USN-1	As a User (Doctor), I need to collect all required data.	3	High	Darunya S
	Data Preprocessing	USN-2	As a User (Doctor), I need to preprocess all the data collected.	2	Medium	Madhumitha K P
	Accessing the User Interface (UI)	USN-3	As a user, I need interact with software and operate the application with the help of UI.	3	High	Nagul Pranav V S
	Application/Software Launch	USN-4	As a user, I can launch the developed application/software.	2	Medium	Nidharshini M

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Launching the webcam/camera	USN-1	As a user, I need to open the webcam/camera from the application to perform gestures.	3	High	Nidharshini M
	Upload images from local system for manipulation	USN-2	As a user, I need upload images to the application from local system for manipulation.	1	Low	Darunya S
	Upload images from local system for training	USN-3	As a user, I need upload images to the application from local system for manipulation, training.	3	High	Madhumitha K P
	Upload images from local system for testing	USN-4	As a user, I need upload images to the application from local system for testing.	3	High	Nagul Pranav V S

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Development	USN-1	As a User (Doctor), I develop a model for training and testing.	3	High	Darunya S
	Flask Integration	USN-2	As a user, I need to integrate with Flask.	2	Medium	Nidharshini M
	Upload images from local system for training	USN-3	As a user, I need upload images to the application from local system for manipulation, training and testing.	2	Medium	Madhumitha K P
	Local Deployment	USN-4	As a user, I can deploy the model locally and see the output.	3	High	Nagul Pranav V S

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Cloud Account	USN-1	As a user, I need to create IBM Cloud Account to train model.	1	Low	Madhumitha K P
	Model Training	USN-2	As a user, I need train and test model in cloud to deploy it.	3	High	Nidharshini M
	Manipulating images through gestures	USN-3	As a User (Doctor), I need to blur, resize, zoomin, zoom out and rotate the image during operation using gestures to avoid infection.	3	High	Darunya S Nagul Pranav V S
	Deploy & Display	USN-4	As a user, I can deploy the cloud model and see the sterile browsed/manipulated image on the screen with respect to the gesture performed.	3	High	Nagul Pranav V S Darunya S Madhumitha K P Nidharshini 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	10	6 Days	24 Oct 2022	29 Oct 2022	10	29 Oct 2022
Sprint-2	10	6 Days	31 Oct 2022	05 Nov 2022	10	05 Nov 2022
Sprint-3	10	6 Days	07 Nov 2022	12 Nov 2022	10	12 Nov 2022
Sprint-4	10	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)

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

$$AV = 10/6 = 1.66$$

Burn Down Chart:

Sprint burndown

BETA ? ▾

0 points done, 10 points to go

▲ Heads up



