

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID28513
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	Image preprocessing	USN-1	As a user, I can predict the image	2	High	Madhumitha Sowmiya Mrithula Nandhini Devi
Sprint-1	model building	USN-2	As a user, I can predict the model building application	1	High	Madhumitha Sowmiya Mrithula Nandhini Devi
Sprint-2	Launching Software	USN-3	As a user, I can launch the development software	2	Low	Madhumitha Sowmiya Mrithula Nandhini Devi
Sprint-3	Launching Camera	USN-4	As a user, I can open the camera from the software to perform gesture	2	Medium	Madhumitha Sowmiya Mrithula Nandhini Devi

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	upload image from local system	USN-5	As a user, I can upload a image to the software from the local system	1	low	Madhumitha Sowmiya Mrithula Nandhini Devi
Sprint-4	perform gesture	USN-6	As a user, I can perform various gesture with respect to system specification for processing	2	medium	Madhumitha Sowmiya Mrithula Nandhini Devi
Sprint-4	output	USN-7	As a user, I can see the sterile browsers image with respect to the gesture performed, display on the screen	2	High	Madhumitha Sowmiya Mrithula Nandhini Devi

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)

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