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

Date	21 October 2022
Team ID	PNT2022TMID18699
Project Name	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	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	5	High	Kanish.S Kanimitha.S Kavyaa Shree.S Obu Shruthi. A
Sprint-1	Login	USN-2	As a user, I will receive confirmation email once I have registered for the application	5	High	Kanish.S Kanimitha.S Kavyaa Shree.S Obu Shruthi. A
Sprint-2	Dashboard	USN-3	As a user, I can register for the application through Facebook	10	Low	Kanish.S Kanimitha.S Kavyaa Shree.S Obu Shruthi. A
Sprint-1	Details about	USN-4	As a user, I can register for the application through Gmail	5	Medium	Kanish.S Kanimitha.S Kavyaa Shree.S Obu Shruthi. A
Sprint-1	Login and repeated usage	USN-5	As a user, I can log into the application by entering email & password	5	High	Kanish.S Kanimitha.S Kavyaa Shree.S Obu Shruthi. A

Sprint		USN		Story Points	Priority	Team Members
Sprint - 2	web page details	USN-6	As a user I must capture images of hand and upload it into the web portal.	10	High	Kanish.S Kanimitha.S Kavyaa Shree.S Obu Shruthi. A
Sprint - 3	Upload the image in the web application	USN-7	As a user I must receive a correct hand gesture as output	20	High	Kanish.S Kanimitha.S Kavyaa Shree.S Obu Shruthi. A
Sprint - 4	Provide efficient customer support	USN-8	As a user, I need to get support from developers in case of queries and failure of service provided	10	Medium	Kanish.S Kanimitha.S Kavyaa Shree.S Obu Shruthi. A
Sprint - 4	Overview the entire process. Take all the responsibility and act bridge between users and developers	USN-9	We need to satisfy the customer needs in an efficient way and make sure any sort of errors are fixed	10	High	Kanish.S Kanimitha.S Kavyaa Shree.S Obu Shruthi. A

Project Tracker, Velocity & Burn down 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

Burn down 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.

Burndown Chart