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

Date	22 October 2022
Team ID	PNT2022TMID34743
Project Name	Deep Learning Fundus Image Analysis For Early Detection of Diabetic Retinopathy
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	Screening method	USN-1	As a user, I can find the method more efficient and accurate.	7	High	Sakthi priya.E.K
Sprint-2		USN-2	As a user, I can use it with minimal physical interaction with the device .	6	Medium	Paulin Shefia.C.P
Sprint-4	Physical features	USN-3	As a user, I can find it portable and light weight.	10	Low	Sushmi.J
Sprint-3	safety	USN-4	As a user, I can be safe as the detection method is free from radiations.	8	High	Vinisha.V
Sprint-1	Testing	USN-5	As a user, I can undergo testing without any fear of pain as this method is pain-free .	7	Low	Sakthi priya.E.K. & Paulin Shefia.C.P
Sprint-3		USN-6	As a user ,I will be comfortable as it requires minimum / no human involvement.	3	Medium	Sushmi.J & Vinisha.V
Sprint-1	Results	USN-7	As a user, I can rely on the results without any suspicion.	6	High	Sakthi priya.E.K
Sprint-3		USN-8	As a user,I can benefit from the result as it will help me know whether treatment is necessary or not.	8	Medium	Vinisha.V
Sprint-2		USN-9	As a user,I can get the results on the spot immediately after the screening process.	7	Low	Paulin Shefia.C.P

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Results	USN-10	As a user,I can complete the Screening process within minutes for a single patient.	10	Medium	Sushmi.J
Sprint-3	Cost-effectiveness	USN-11	As a user , I can reach many people suffering from diabetes.	4	Medium	Sushmi.J & Vinisha.V
Sprint-2		USN-12	As a user,I can create awarness among diabetic patients to undergo frequent screening.	7	Low	Paulin Shefia.C.P & Sakthi priya.E.K

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)

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