

Project Planning Phase

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

Date	20 October 2022
Team ID	PNT2022TMID34131
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)

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	Screening method	USN-1	As a physician, I can find the method more efficient and accurate.	5	High	Dharshine.R.S.
Sprint-2		USN-2	As a patient, I can undergo screening without any physical interaction with my eyes.	5	Medium	Petricia Reshmi.L
Sprint-4		USN-3	As a lab technician, I want the application software to be simple.	5	Low	Dharshine.R.S.
Sprint-4		USN-4	As a patient, I want to get all the updates of testing via the application software.	5	Medium	Petricia Reshmi.L
Sprint-1	Testing	USN-5	As a patient, I can undergo testing without any fear of pain as this method is pain-free.	5	High	Inba Muhil.E.S.
Sprint-3		USN-6	As a patient, I will be comfortable as it requires minimum/no human involvement.	5	Medium	Inba Muhil.E.S
Sprint-1	Results	USN-7	As an ophthalmologist, I can rely on the results without any suspicion.	5	High	Hassim Arsha.S.
Sprint-2		USN-8	As a patient, I can get the results on the spot immediately after the screening process.	5	Low	Inba Muhil.E.S
Sprint-3		USN-9	As a patient, I can benefit from the result as it will help me know whether treatment is necessary or not.	5	High	Dharshine.R.S.
Sprint-4		USN-10	As a patient, I can get the results on the spot immediately after the screening process.	5	Low	Hassim Arsha.S.

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Features	USN-11	As a lab technician, I want the product to be user-friendly.	5	Medium	Dharshine.R.S.
Sprint-3		USN-12	As a lab technician, I want the steps of the screening process to be easy.	5	High	Petricia Reshmi.L
Sprint-3	Safety	USN-13	As a patient, I can be safe as the detection method is free from radiations.	5	High	Hassim Arsha.S.
Sprint-4		USN-14	As a physician, I want the screening method to follow all the prescribed medical guidelines.	5	Medium	Inba Muhil.E.S.
Sprint-1	Cost-effectiveness	USN-15	As a patient, I want the method to be cost-effective.	5	Medium	Petricia Reshmi.L
Sprint-2		USN-16	As a physician/medical professional, I can create awareness among diabetic patients to undergo frequent screening.	5	Low	Hassim Arsha.S

Project Tracker, Velocity & Burndown Chart: (4 Marks)

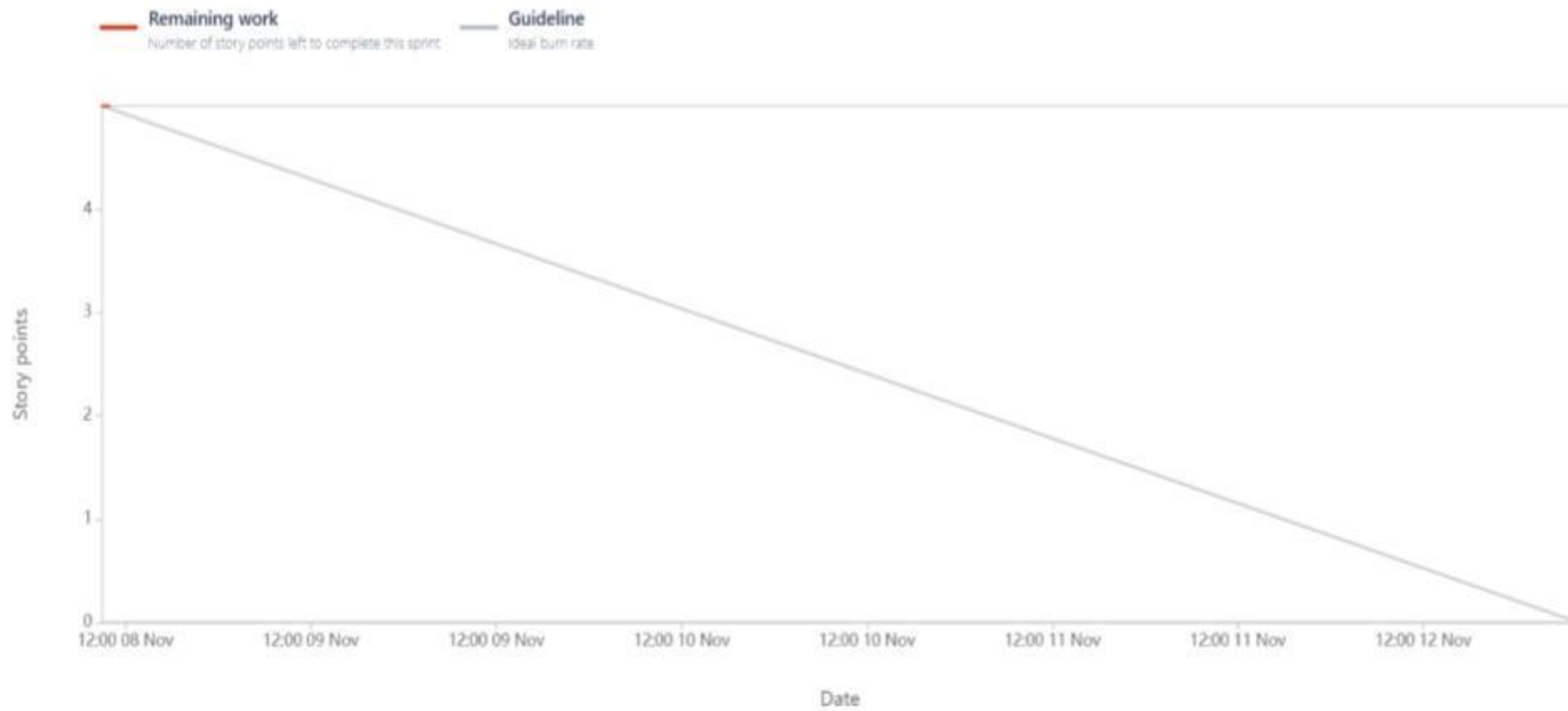
Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	20	
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	

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)

$$\text{Velocity} = 20 / 6 = 3.333$$

Burndown chart:



Roadmap:

