

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID12576
Project Name	Deep Learning Fundus Image Analysis for Early Detection of Diabetic Retinopathy

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Use the below template to create product backlog and sprint schedule

Release	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	MUSN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	7	High	Tharun, Suriya Prasad
Sprint-1		MUSN-2	As a user, I will receive confirmation email once I have registered for the application	4	High	Vishwakjith, Raswanth
Sprint-1		MUSN-3	Validation of the user can be done directly using email or OTP.	6	Medium	Tharun
Sprint-1	Login	MUSN-4	Enter the username and password to login to the application.	3	High	Suriya Prasad, Raswanth
Sprint-1	Dashboard	WUSN-1	Users can access their information like age, gender, previous history etc..	8	High	Tharun, Raswanth
Sprint-2		WUSN-2	Users can upload the FUNDUS image and obtain the results.	6	High	Vishwakjith, Tharun
Sprint-2	Overview	CCE-1	As a customer, I can view the data in the graphical representation.	5	High	Suriya Prasad, Vishwakjith
Sprint-2	Database Analysis	CCE-2	As an operator, I should be provided with the image.	7	High	Suriya Prasad
Sprint-3	Support	ST-1	Responds to user queries via telephone or email.	4	Medium	Tharun, Vishwakjith

Release	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	User Control and help	AN-1	Helping users in case of any technical issues faced by them like forgetting the password, collecting feedback and improving the UI.	8	Medium	Suriya Prasad, Vishwakjith

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)

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