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

Date	21 October 2022
Team ID	PNT2022TMID20647
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	Registration	USN-1	As a user, I should be able to register myself with username, password, mobile number, email-id, location	5	High	Aravindhan Derick
Sprint-2	Login	USN-2	As a user, I should be able to register myself and should have forget password for recovery	5	High	Aravindhan Derick
Sprint-1		USN-3	As a user, I can login into my application using my username and password	5	High	Aravindhan Derick
Sprint-2		USN-4	As a user, I should be able to post my queries in the application	7	High	Aravindhan Derick
Sprint-4	Dashboard	USN-5	As a user, I should	5	Medium	Nandhagopalan

			be able to modify the credentials given by me like my location to get correct suggestions of hospitals nearby			Kishore
Sprint-4	Database	USN-6	As an administrator I should be able to update the contact details and addresses of hospitals	5	Medium	Nandhagopalan Kishore
Sprint-3		USN-7	As an administrator I should be able to read and respond to all the user queries from comment section	5	Medium	Nandhagopalan Kishore
Sprint-3	User Interface (Detection)	USN-8	As a user, I should be able to upload the image of my retina and should get accurate results of the diagnosis	9	High	Nandhagopalan Kishore

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

Sprint	Total Story points	Duration	Sprint start date	Sprint end date	Story points completed	Sprint release date
Sprint-1	10	6 Days	24 Oct 2022	29 Oct 2022		
Sprint-2	12	6 Days	31 Oct 2022	05 Nov 2022		
Sprint-3	14	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	10	6 Days	14 Nov 2022	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 = Sprint/Duration = 20/10 = 2

AV1=sprint duration/velocity=10/6=1.67
AV2=sprint duration/velocity=12/6=2
AV3=sprint duration/velocity=14/6=2.3
AV4=sprint duration/velocity=10/6=1.67

Burndown Chart:

A burndown 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.

Daily progress:

Sprint-1

Task	Hours	Day-1	Day-2	Day-3	Day-4	Day-5	Day-6	Total
USN-1	15	3	2	3	2	2	3	15
USN-3	15	4	3	2	2	2	2	15

Sprint-2

Task	Hours	Day-1	Day-2	Day-3	Day-4	Day-5	Day-6	Total
USN-2	12	2	2	2	2	2	2	12
USN-4	24	4	0	5	5	5	5	24

Sprint-3

Task	Hours	Day-1	Day-2	Day-3	Day-4	Day-5	Day-6	Total
USN-7	15	2	2	4	3	2	2	15
USN-8	27	5	5	5	4	4	4	27

Sprint-4

Task	Hours	Day-1	Day-2	Day-3	Day-4	Day-5	Day-6	Total
USN-5	12	2	2	2	2	2	2	12
USN-6	12	2	2	2	2	2	2	12

Actual and remaining efforts:
Sprint-1

	Hours	Day-1	Day-2	Day-3	Day-4	Day-5	Day-6
Actual Effort	30	23	18	13	9	5	0
Remaining Effort	30	25	20	15	10	5	0

Sprint-2

	Hours	Day-1	Day-2	Day-3	Day-4	Day-5	Day-6
Actual Effort	36	30	28	21	14	7	0
Remaining Effort	36	30	24	18	12	6	0

Sprint-3

	Hours	Day-1	Day-2	Day-3	Day-4	Day-5	Day-6
Actual Effort	42	35	28	19	12	6	0
Remaining Effort	42	35	28	21	14	7	0

Sprint-4

	Hours	Day-1	Day-2	Day-3	Day-4	Day-5	Day-6
Actual Effort	24	20	16	12	8	4	0
Remaining Effort	24	20	16	12	8	4	0