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

Date	23 October 2022
Team ID	PNT2022TMID40380
Project Name	Project - AI - based localization and classification of skin disease with erythema
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	Create Dataset	USN-1	Create the dataset with 50 images per skin disease	3	High	Aruna S, Iswarya L, Nithya K, Srilekha A
Sprint-2	Annotate images	USN-2	Annotate images using Microsoft VOTT into four phases	3	High	Aruna S, Iswarya L, Nithya K, Srilekha A
Sprint-3	Training Yolo	USN-3	Download and Convert pre-trained weights. Train Yolov3 detector	3	High	Iswarya L, Srilekha A
Sprint-4	Cloudant DB	USN-4	Create cloud account, create service instance, launch cloudant DB and create the database	3	High	Aruna S, Nithya K

Sprint-4	Registration	USN-5	As a user, I can register for the application by entering my email, password, and confirming my password.	3	High	Iswarya L
Sprint-4		USN-6	As a user, I will receive confirmation email once I have registered for the application	2	Medium	Nithya K
Sprint-4		USN-7	As a user, I can register for the application through mobile number	3	High	Srilekha A
Sprint-4		USN-8	As a user. I will Receive confirmation SMS	3	High	Aruna S
Sprint-4	Login	USN-9	As a user, I can log into the application byentering login credentials	3	High	Iswarya L, Nithya K
Sprint-4	Dashboard	USN-10	As a user, I can upload my images and getmy details of skin diseases	3	High	Aruna S, Srilekha A
Sprint -4	Logout	USN-11	As a user, I can logout successfully	2	Medium	Nithya 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 ReleaseDate (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 perday)

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

Average Velocity = Story Points per Day

Sprint Duration = Number of (Duration) days
per SprintVelocity = Points per Sprint

$$AV = \mathbf{20}\ /\mathbf{6} \approx 4$$

Therefore, the AVERAGE VELOCITY IS 4 POINTS PER SPRINT

Burndown 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.