Project Planning Phase

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

Date	10 November 2022
Team ID	PNT2022TMID34120
Project Name	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	Prerequisites	USN-1	Install Python IDE, Python packages, Microsoft Visual Object Tagging Tool, Yolo Structure	7	High	J.S. Keerthana K.B. Pavithra
Sprint-1	Data Collection	USN-2	Dataset should be collected from real time orfrom gallery or collect it from google	10	High	S.P. Bala Ajitha S.P. Bala Abitha
Sprint-1	Annotate Images	USN-3	Create a project in Visual Object Tagging Tool	3	Medium	M. Devi Bharathi
Sprint-2	Training YOLO	USN-4	In this we will train our model using YOLO weights	5	Medium	Keerthana.J.S
Sprint-2		USN-5	Download and convert pre-trained weights	5	High	S.P. Bala Ajitha
Sprint-2		USN-6	To start training run the training script within the YOLO structure.	10	Low	S.P. Bala Abitha
Sprint-3	Cloudant DB	USN-7	Register and Login to IBM Cloud	5	Medium	K.B. Pavithra
Sprint-3		USN-8	Create Service Instant and credentials	5	High	M. Devi Bharathi
Sprint-3		USN-9	Launch Cloudant DB and then create database	2	High	Keerthana.J.S

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Developing Phase	USN-10	In this build a web application that is integrated to the caffemodel.	3	Low	Pavithra.K.B
Sprint-3		USN-11	For this build HTML pages	2	Medium	Bala Ajitha .S.P
Sprint-3		USN-12	Develop and build the python code to run the application.	3	Medium	M.Devi Bharathi
Sprint-4	Testing phase	USN-13	As a user login to the dashboard	10	High	Bala Abitha.S.P
Sprint-4		USN-14	As a user import the skin affected disease image to the software application.	5	Medium	M. Devi Bharathi
Sprint-4		USN-15	YOLO will process the image and give the result as unaffected or affected with other details	5	Medium	Pavithra .K.B

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)

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

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.

https://www.visual-paradigm.com/scrum/scrum-burndown-chart/

https://www.atlassian.com/agile/tutorials/burndown-charts

Reference:

https://www.atlassian.com/agile/project-management

https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software

https://www.atlassian.com/agile/tutorials/epics

https://www.atlassian.com/agile/tutorials/sprints

https://www.atlassian.com/agile/project-management/estimation

https://www.atlassian.com/agile/tutorials/burndown-charts