

## Project Planning Phase

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

Date	10 November 2022
Team ID	PNT2022TMID22236
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	Prerequisites	USN-1	Install Python IDE, Python packages, Microsoft Visual Object Tagging Tool, Yolo Structure	3	High	Jessinda Joseph Vennila M Yuva Shree A Shruthi AE
Sprint-1	Data Collection	USN-2	Dataset should be collected from google or using a Chrome extension such as Fatkun Batch Downloader	3	High	JessindaJoseph Vennila M Yuva Shree A Shruthi AE
Sprint-1	Annotate Images	USN-3	Create A Project in VOTT (Microsoft's Visual Object Tagging Tool)	2	Medium	JessindaJoseph Vennila M Yuva Shree A Shruthi AE
Sprint-2	Training YOLO	USN-4	Train our model using YOLO weights	2	Medium	JessindaJoseph Vennila M Yuva Shree A Shruthi AE
Sprint-2		USN-5	To Download and Convert Pre-Trained Weights	3	High	JessindaJoseph Vennila M Yuva Shree Shruthi AE

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2		USN-6	To Train YOLOv3 Detector	3	High	JessindaJoseph Vennila M Yuva Shree A Shruthi AE
Sprint-3	Cloudant DB	USN-7	Register & Login to IBM Cloud	3	High	JessindaJoseph Vennila M Yuva Shree A Shruthi AE
Sprint-3		USN-8	Create Service Instant and Credentials	2	Medium	JessindaJoseph Vennila M Yuva Shree A Shruthi AE
Sprint-3		USN-9	Launch DB and Create database	3	High	JessindaJoseph Vennila M Yuva Shree A Shruthi AE
Sprint-3	Development Phase	USN-10	To build a web application	3	High	JessindaJoseph Vennila M Yuva Shree A Shruthi AE
Sprint-3		USN-11	Building HTML pages with python code	2	Medium	JessindaJoseph Vennila M Yuva Shree A Shruthi AE
Sprint-3		USN-12	To run the application	3	High	JessindaJoseph Vennila M Yuva Shree A Shruthi AE
Sprint-4	Testing Phase	USN-13	As a user login to dashboard	2	Medium	JessindaJoseph Vennila M Yuva Shree A Shruthi AE
Sprint-4		USN-14	As a user import the images with skin diseases to the software application	2	Medium	JessindaJoseph Vennila M Yuva Shree A Shruthi AE

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4		USN-15	YOLO processes the image and give the necessary details	3	High	JessindaJoseph Vennila M Yuva Shree A Shruthi AE

#### 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	28 Oct 2022	02 Nov 2022	20	17 Nov 2022
Sprint-2	20	6 Days	30 Oct 2022	04 Nov 2022	20	17 Nov 2022
Sprint-3	20	6 Days	06 Nov 2022	11 Nov 2022		
Sprint-4	20	6 Days	12 Nov 2022	17 Nov 2022		

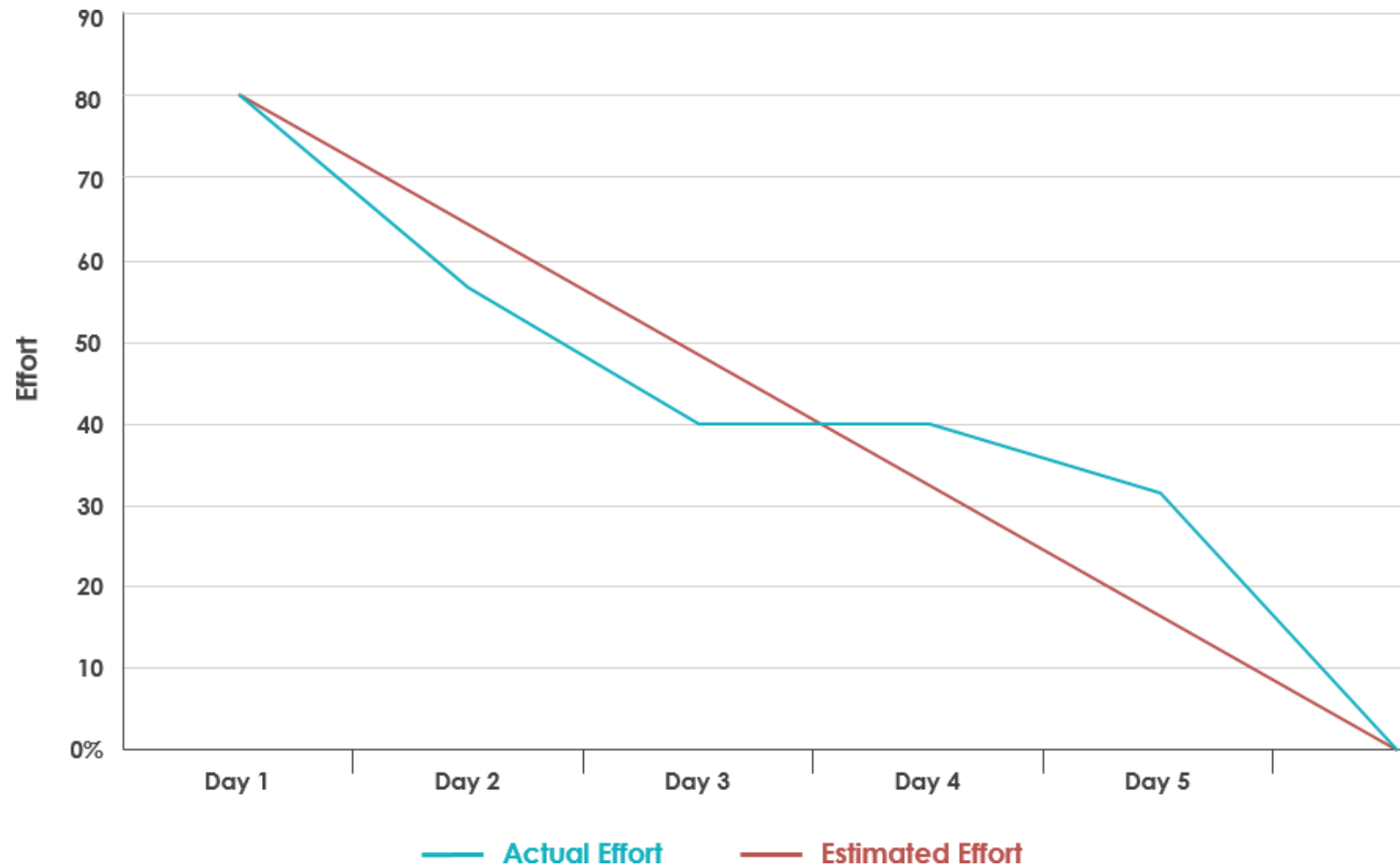
#### Velocity:

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)

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

### 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.



**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>