Project Planning Phase

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

Date	28 October 2022
Team ID	PNT2022TMID36222
Project Name	Project - developing a flight delay prediction model using machine learning
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 can register for the application by entering my email, password, and confirming my password.	2	High	Jagadesh Subramaniam K.U
Sprint-1	User Confirmation	USN-2	As a user, I will receive confirmation email once I have registered for the Web application.	1	Medium	Bharani S Karthick D
Sprint-1	Login	USN-3	As a user, I can login to the application by entering my email & password.	1	High	Jagadesh Subramaniam K.u
Sprint-2	Analyse the dataset	USN-4	I can analyse the data set	2	High	Abinesh V Sanjay A
Sprint-3	Developing and Training the model	USN-5	I can develop and train theprediction model.	2	High	Karthick D Sanjay A
Sprint-4	Web Application	USN-6	View the current information of the flight	2	High	Bharani S

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	20 Nov 2022

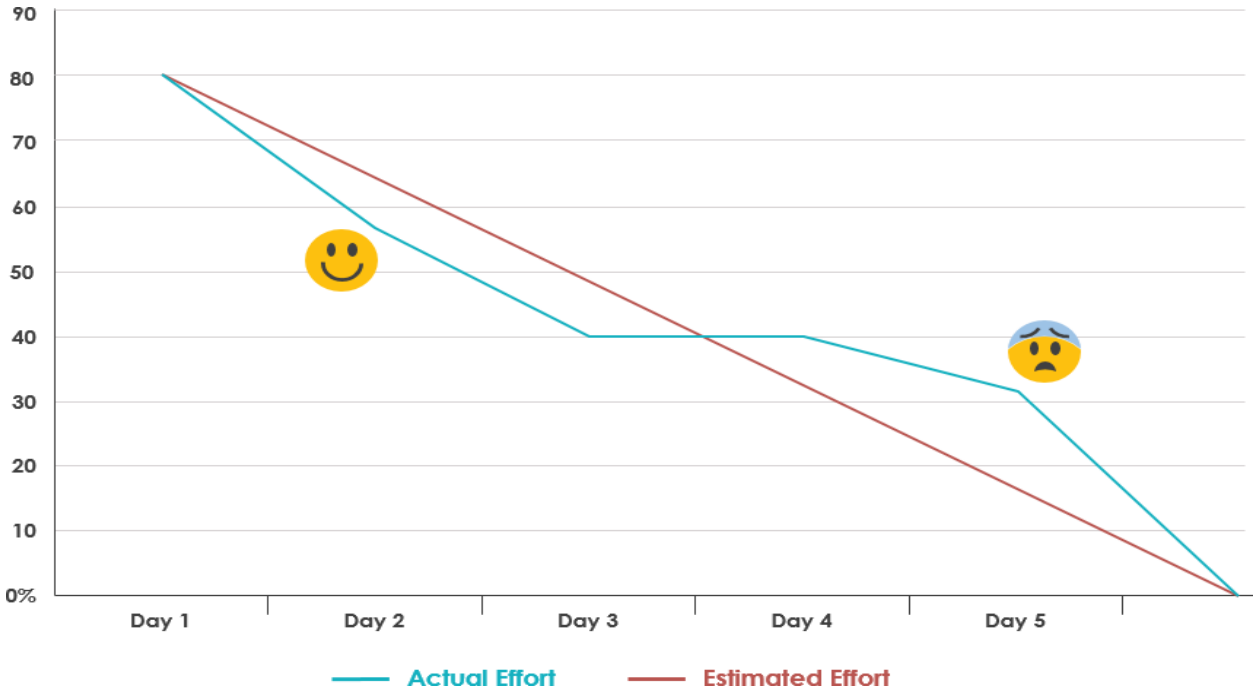
Velocity:

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.



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