PROJECT PLANNING PHASE

SPRINT DELIVERY PLAN

Team ID	PNT2022TMID22250
Project Name	Smart Fashion Recommender Application

Product Backlog, Sprint Schedule, Estimation

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story points	Priority	Team Members
Sprint-1	Setting up App environment	USN-1	As a user, I can register in ICTA Academy and create IBM cloud account.	2	High	PARTHIBAN M SRINIVASAN R U
Sprint-1		USN-2	As a user, I will create a flask project	1	Low	VICKEY G UGAANDRA SAI M
Sprint-1		USN-3	As a user, I will install IBM Cloud CLI	2	Medium	PARTHIBAN M SRINIVASAN R U
Sprint-2	Setting up App environment	USN-4	As a user, I can install Docker CLI	1	Low	VICKEY G UGAANDRA SAI M
Sprint-2		USN-5	As a user, I will Create an account in sendgrid	2	Medium	PARTHIBAN M SRINIVASAN R U
Sprint-3	Implementing web application	USN-6	As a user, I Create UI to interact with the application	1	High	PARTHIBAN M SRINIVASAN R U

Sprint-3		USN-7	As a user, I Create IBM DB2 and connect with Python	3	High	VICKEY G UGAANDRA SAI M
Sprint-3	Integrating sendgrid service	USN-8	As a user, I will be integrating sendgrid with python code	2	High	PARTHIBAN M SRINIVASAN R U
Sprint-3	Developing a chatbot	USN-9	As a user, I must build a chatbot and integrate to application	1	Medium	VICKEY G UGAANDRA SAI M
Sprint-4	Development of App in IBM Cloud	USN-10	As a user, I will Containerize the App	1	Low	PARTHIBAN M SRINIVASAN R U
Sprint-4		USN-11	As a user, I will upload image to IBM Container registry	2	Medium	VICKEY G UGAANDRA SAI M
Sprint-4		USN-12	As a user, I will deploy App in Kubernetes cluster	3	High	PARTHIBAN M SRINIVASAN R U VICKEY G UGAANDRA SAI M

Project Tracker, Velocity & Burndown Chart

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	18	6 Days	24 Oct 2022	29 Oct 2022	24	29 Oct 2022
Sprint-2	18	6 Days	31 Oct 2022	05 Nov 2022	24	05 Nov 2022

Sprint-3	18	6 Days	07 Nov 2022	12 Nov 2022	24	12 Nov 2022
Sprint-4	18	6 Days	14 Nov 2022	19 Nov 2022	24	19 Nov 2022

Velocity

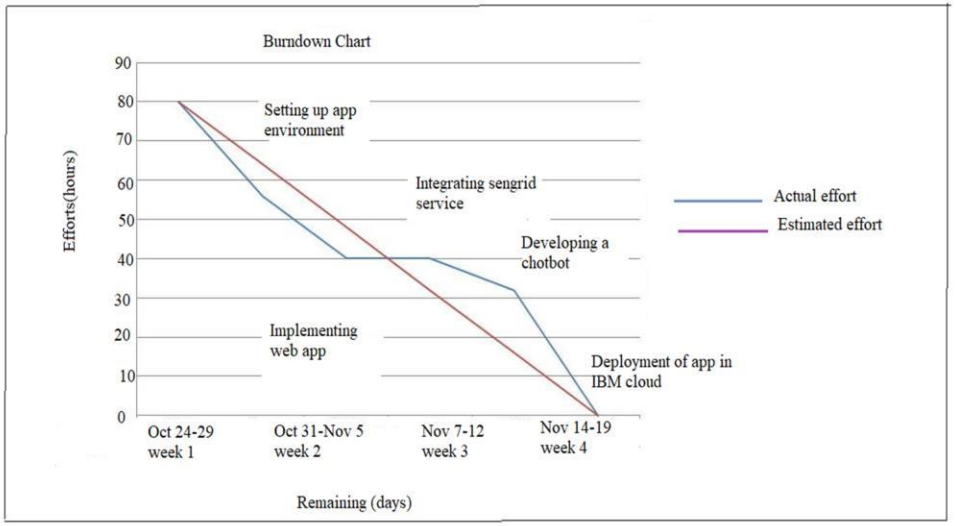
Imagine we have a 6-day sprint duration, and the velocity of the team is 18(points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV = \text{Sprint Duration} / \text{Velocity}$$

$$AV = 24/6 = 4$$

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.


Burndown Chart
90
80
70
60
50
40
30
20
10
0
Efforts(hours)
Setting up app environment
Integrating sengrid service
Developing a chotbot
Implementing web app
Deployment of app in IBM cloud
Actual effort
Estimated effort
Oct 24-29 week 1
Oct 31-Nov 5 week 2
Nov 7-12 week 3
Nov 14-19 week 4
Remaining (days)