PROJECT PLANNING PHASE

PROJECT PLANNING TEMPLATE (PRODUCT BACKLOG, SPRINT PLANNING, STORIES, STORY POINTS)

TEAM ID	PNT2022TMID44353
PROJECT DOMAIN	**Data Analytics**
PROJECT TITLE	**Traffic and Capacity Analytics for Major Ports**
DATE	24 OCTOBER 2022
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	Project flow, Objectives	USN-1	Create a Project Flow	5	Medium	Whole Team
	IBM Account and Loading the dataset	USN-2	Create a IBM Account and dataset	5	Medium	R. Adithya
	Dataset and Calculations	USN-3	Prepare the Dataset and Prepare the Calculation	10	High	R. Adithya
Sprint-2	Data Visualization Charts	USN-4	Port wise Traffic Distribution ,Traffic Vs Capacity and Prepare Line & Bar Chart ,Area Chart	20	High	Whole Team

Sprint-3	Literature Survey and Empathy Map , ideation	USN-5	Literature Survey On The Selected Project & Information Gathering and Prepare Empathy map, ideation	10	High	Whole Team
Sprint-3	Proposed Solution And Problem Solution fit	USN-6	To Prepare the Proposed Solution And Problem Solution fit	5	Medium	M Senthil Nathan R. Adithya
Sprint-3	Solution Architecture	USN-7	To Prepare the Solution Architecture	5	Medium	R. Muthukumar K. Gokul
Sprint-4	Customer journey, functional Requirement	USN-8	To Create a Customer journey and functional Requirement	10	high	Whole Team
Sprint-4	Data Flow, Technology Architecture	USN-9	To Prepare Data Flow, Technology Architecture	5	medium	R. Muthukumar K. Gokul
Sprint-4	Milestone &Activity List	USN-10	To create Milestone and Activity List	5	medium	R. Muthukumar M.Senthil Nathan

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

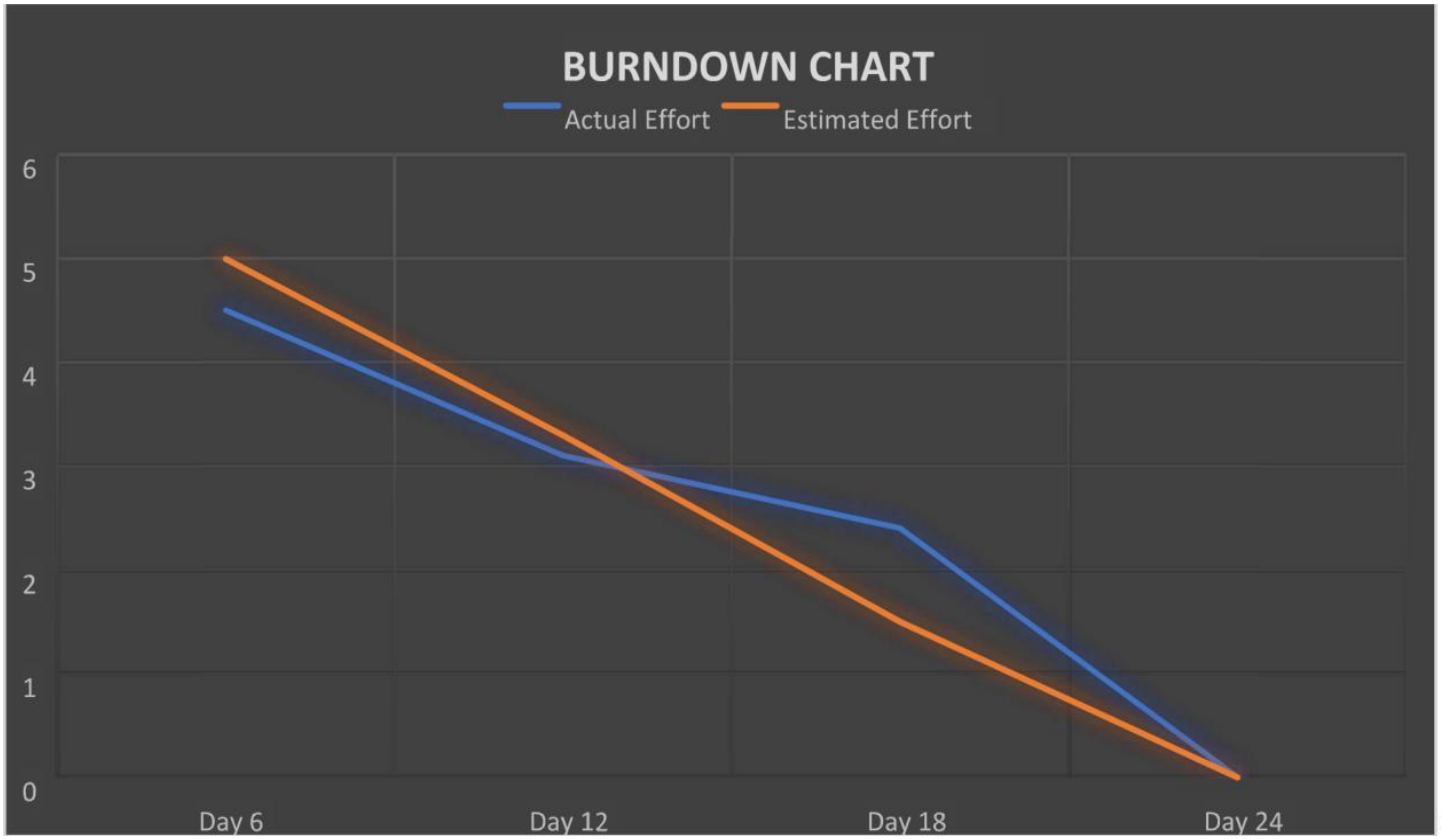
VELOCITY:

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 = Sprint Duration / Velocity= 24/20=1.2

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.


BURNDOWN CHART
Actual Effort
Estimated Effort
6
5
4
3
2
1
0
Day 6
Day 12
Day 18
Day 24