PROJECT PLANNING & SCHEDULING

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

Date	21 March 2025
Team ID	PNT2025TMID06737
Project Name	Power BI Inflation Analysis Journeying Through Global Economic Terrain
Maximum Marks	5

Product Backlog, Sprint Planning, Story points

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Data Collection	USN-1	As a User,I can collect inflation data from various sources	2	High	Team Members 1,2
Sprint-1	Data Preprocessing	USN-2	As a user , I can clean and standardize data for accurate analysis.	1	High	Team Members 3,4
Sprint-1	Data Integration	USN-3	As a user, ,I can Integrate datasets from multtiple sources into Power Bi.	2	Low	Team Members 4,1
Sprint-2	Data Visualization	USN-4	As a user, I can view inflation trends on interactive Power Bi dashboards	2	Medium	Team Members 2,3
Sprint-2	Predictive Modeling	USN-5	As a user, I can apply Forecasting models to predict inflation trends.	1	High	Team Members 3,4
Sprint-2	Dashboard	USN-6	As a user,I can generate reports summarizing inflation insights	3	High	Team Members 4,1

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	30	14 Days	31 Jan 2025	13 Feb 2025	30	13 Feb 2025
Sprint-2	30	14 Days	14 Feb 2025	28 Feb 2025	30	28 Feb 2025

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

$$AV = \text{Total Story Points} / \text{Sprint Duration} = 30/14 = 2.14$$

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.