

ProjectPlanningPhase

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

Date	28June2025
TeamID	LTVIP2025TMID34780
ProjectName	Measuringthepulseofprosperity:anindexof economic freedom
MaximumMarks	5Marks

ProductBacklog,SprintSchedule,andEstimation(4Marks)

Usethebelowtemplatetocreateproductbacklogandsprintschedule

Sprint	Functional Requirement (Epic)	UserStory Number	UserStory/Task	Story Points	Priority
Sprint-1	DataAnalysis& Visualization	USN-1	As a Policymaker, I want to view a worldmapshowingeconomicfreedom scoresbycountry,sothatIcanquickly identify regions with high or low economic prosperity and potential policyimpactareas.	2	High
Sprint-1	DataAnalysis& Visualization	USN-2	AsanEconomicResearcher,Iwantto filter economic data by specific years andcountries,sothatIcanconductin- depthanalysisonhistoricaltrendsand compareperformanceacrossdifferent nations.	2	High
Sprint-1	DataAnalysis& Visualization	USN-3	AsanInvestor,Iwanttoseethetop40 and least ranked countries based on their economic index, so that I can identify potential investment opportunities or risks in various markets.	4	High
Sprint-2	DataIngestion& Management	USN-4	As a User, I want to upload new economicdatasets(e.g.,CSV,Excel), so that I can incorporate the latest information into the analysis and updatetheindex	3	Medium
Sprint-2	DataAnalysis& Visualization	USN-5	AsanEconomicResearcher,Iwantto view correlations between economic freedom and indicators like unemployment rate and GDP growth, so that I can understand the multifaceted impacts of economic policies.	4	High
Sprint-3	Reporting& Export	USN-6	As a User, I want to export visualizations (e.g., charts, maps) as imagefiles,sothatIcaneasilyinclude theminpresentationsorreports.	4	Medium

Sprint-3	User Management & Authorization	USN-7	As an Administrator, I want to manage user accounts and roles, so that I can access levels to sensitive data and functionalities.	3	High
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Project Tracker, Velocity & Burndown Chart: (4 Marks)

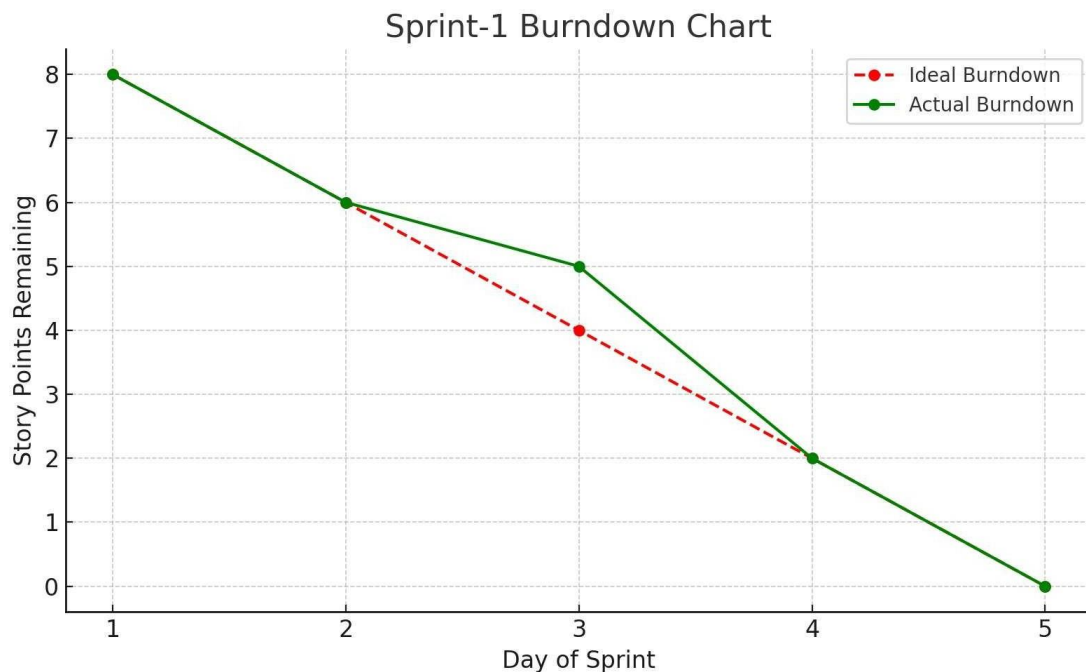
Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	8	5 Days	16 June 2025	21 June 2025	6	21 June 2025
Sprint-2	7	5 Days	21 June 2025	25 June 2025	7	25 June 2025
Sprint-3	7	5 Days	25 June 2025	30 June 2025		

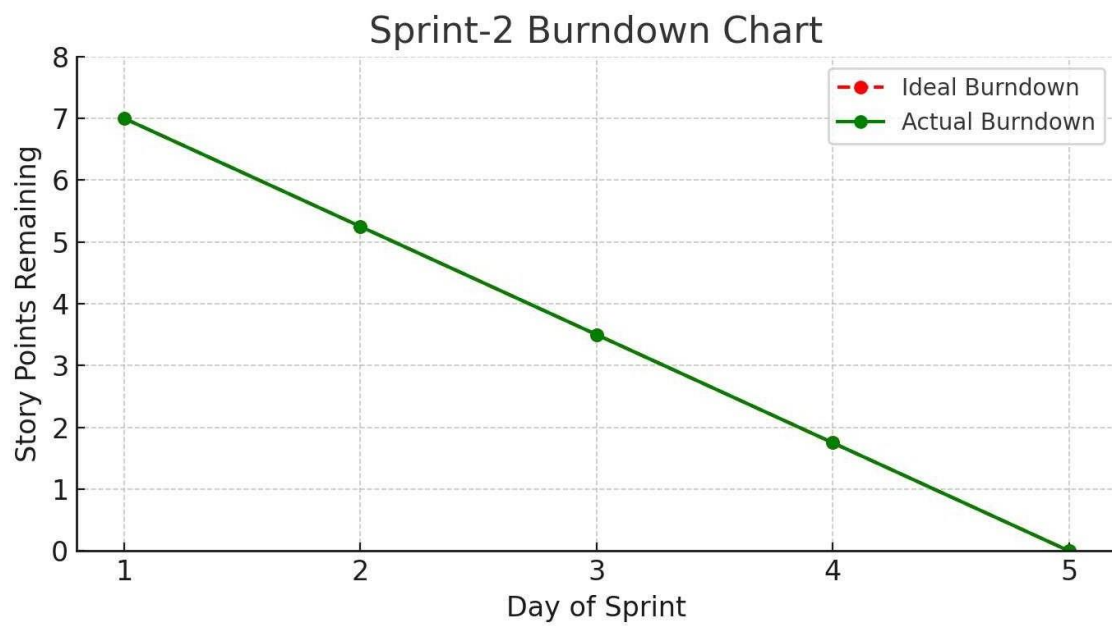
Velocity:

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)

$$AV = \text{sprint duration} / \text{velocity} = 15 / 10 = 1.5$$

Burndown Chart:





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

<https://www.atlassian.com/agile/tutorials/burndown-charts>