

Planning Logic – SmartSDLC Project

Key Agile Concepts

- **Sprint:** A fixed duration (e.g., 5 days) where a team completes a predefined set of tasks.
 - **Epic:** A large objective or feature too big for a single sprint, broken into smaller **Stories**.
 - **Story:** A manageable task derived from an Epic, meant to be completed within a sprint.
 - **Story Point:** A unit (typically in Fibonacci series: 1, 2, 3, 5, 8...) that represents the **complexity or effort** needed for a story.
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Sprint Planning

Sprint 1 – (5 Days)

Epic	Story	Story Points
Data Collection	Collection of Data	2
	Loading Data	1
Data Preprocessing	Handling Missing Values	3
	Handling Categorical Values	2
Total		8

Sprint 2 – (5 Days)

Epic	Story	Story Points
Model Building	Build Model	5
	Test Model	3
Deployment	Develop HTML Pages	3
	Deploy using Flask	5
Total		16

Sprint Metrics

- **Total Story Points (S1 + S2) = 8 + 16 = 24**
 - **Total Sprints = 2**
 - **Team Velocity = Total Story Points ÷ Number of Sprints**
= 24 ÷ 2 = 12 Story Points per Sprint
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Interpretation

Our team consistently completes **12 Story Points per sprint**, indicating good task estimation and steady performance. This speed can help you forecast delivery dates for future modules of SmartSDLC.