# Project Planning Phase

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

| | |
|---|---|
| Date | 26 July 2025 |
| Team ID | PNT2025TMID10592 |
| Project Name | I Revolution: A Data-driven Exploration of Apple's iPhone Impact in India |
| Maximum Marks | 5 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 | Data Collection | SCRUM 1 | Collect data from source | 2 | High | Kavya |
| Sprint-1 | | SCRUM 2 | Load Data into Tableu Prep | 1 | High | Kavya |
| Sprint-1 | Data Preparation | SCRUM 3 | Handle Missing Values | 2 | Medium | Kavya |
| Sprint-1 | | SCRUM 4 | Handle Categorical Values | 2 | Medium | Kavya |
| Sprint-1 | | SCRUM 5 | Handle Inconsistencies | 1 | Medium | Kavya |
| Sprint-1 | | SCRUM 6 | Join Tables and create Final Output file | 2 | High | Vedant |
| Sprint-2 | Data Visualization | SCRUM 7 | Create  Bar chart | 3 | Medium | Kavya |
| Sprint-2 | | SCRUM 8 | Line chart | 3 | Medium | Kavya |
| Sprint-2 | | SCRUM 9 | Scatter Plot | 3 | Medium | Kavya |
| Sprint-2 | | SCRUM 10 | Highlight table | 3 | Medium | Kavya |
| Sprint-2 | | SCRUM 11 | Lolipop chart | 3 | Medium | Kavya |
| Sprint-2 | | SCRUM 12 | Pie chart | 3 | Medium | Kavya |

| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Points | Priority | Team Members |
|---|---|---|---|---|---|---|
| Sprint-2 | | SCRUM 12 | Area chart | 2 | Medium | Kavya |
| Sprint-2 | | SCRUM 13 | Donut chart | 2 | Medium | Kavya |
| Sprint-2 | | SCRUM 14 | Word cloud | 2 | Medium | Kavya |
| Sprint-3 | Dashboard | SCRUM 15 | Dashboard Design | 3 | High | Kavya |
| Sprint-4 | Story | SCRUM 16 | Create a Story | 3 | High | Kavya |

**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 | 4 Days | 19 July 2025 | 22 July 2025 | 20 | 22 July 2025 |
| Sprint-2 | 20 | 4 Days | 23 July 2025 | 26 July 2025 | 20 | 26 July 2025 |
| Sprint-3 | 20 | 2 Days | 27 July 2025 | 28 July 2025 | 20 | 28 July 2025 |
| Sprint-4 | 20 | 2 Days | 29 July 2025 | 30 July 2025 | 20 | 30 July 2025 |

**Velocity:**

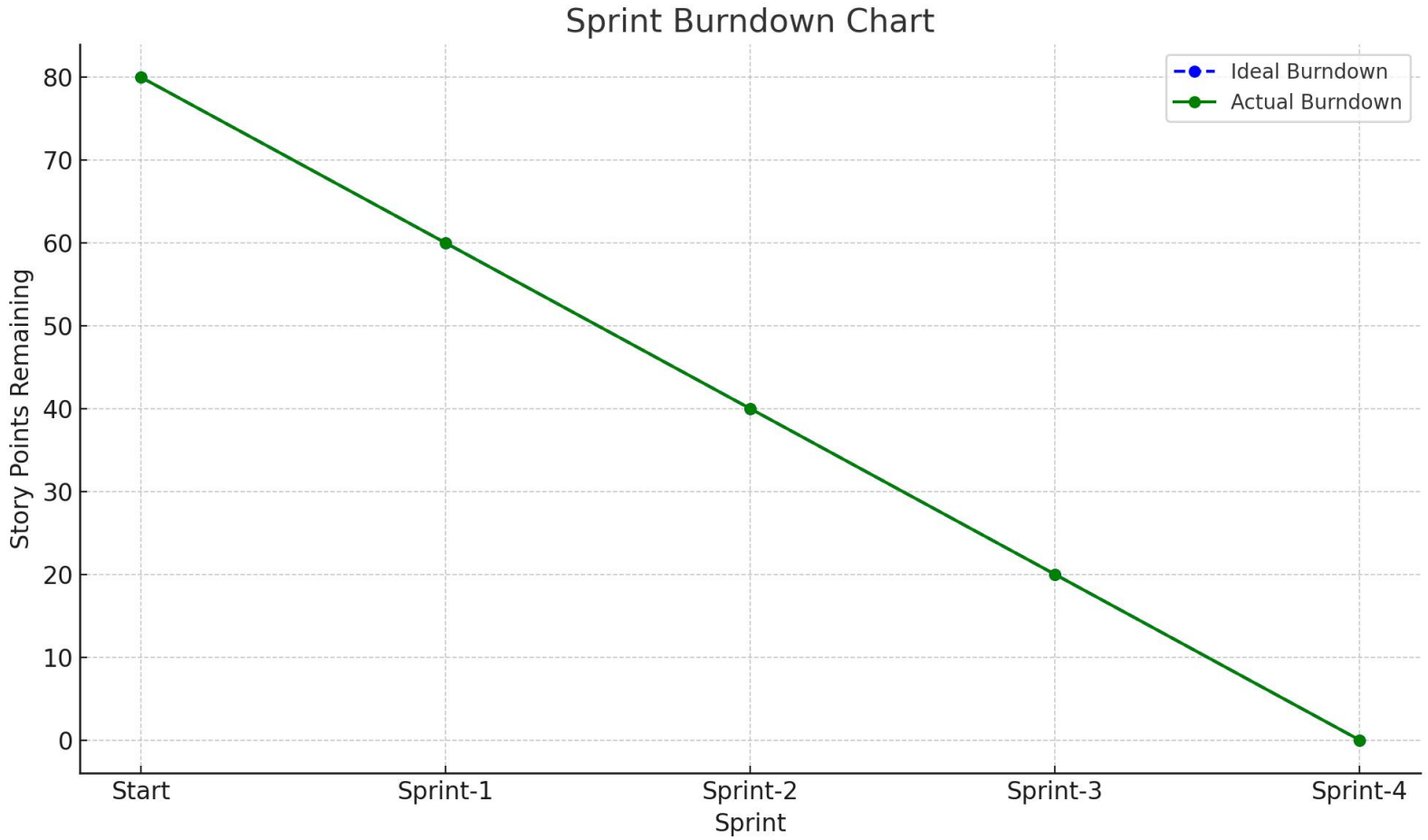
Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let’s calculate the team’s average velocity (AV) per iteration unit (story points per day)

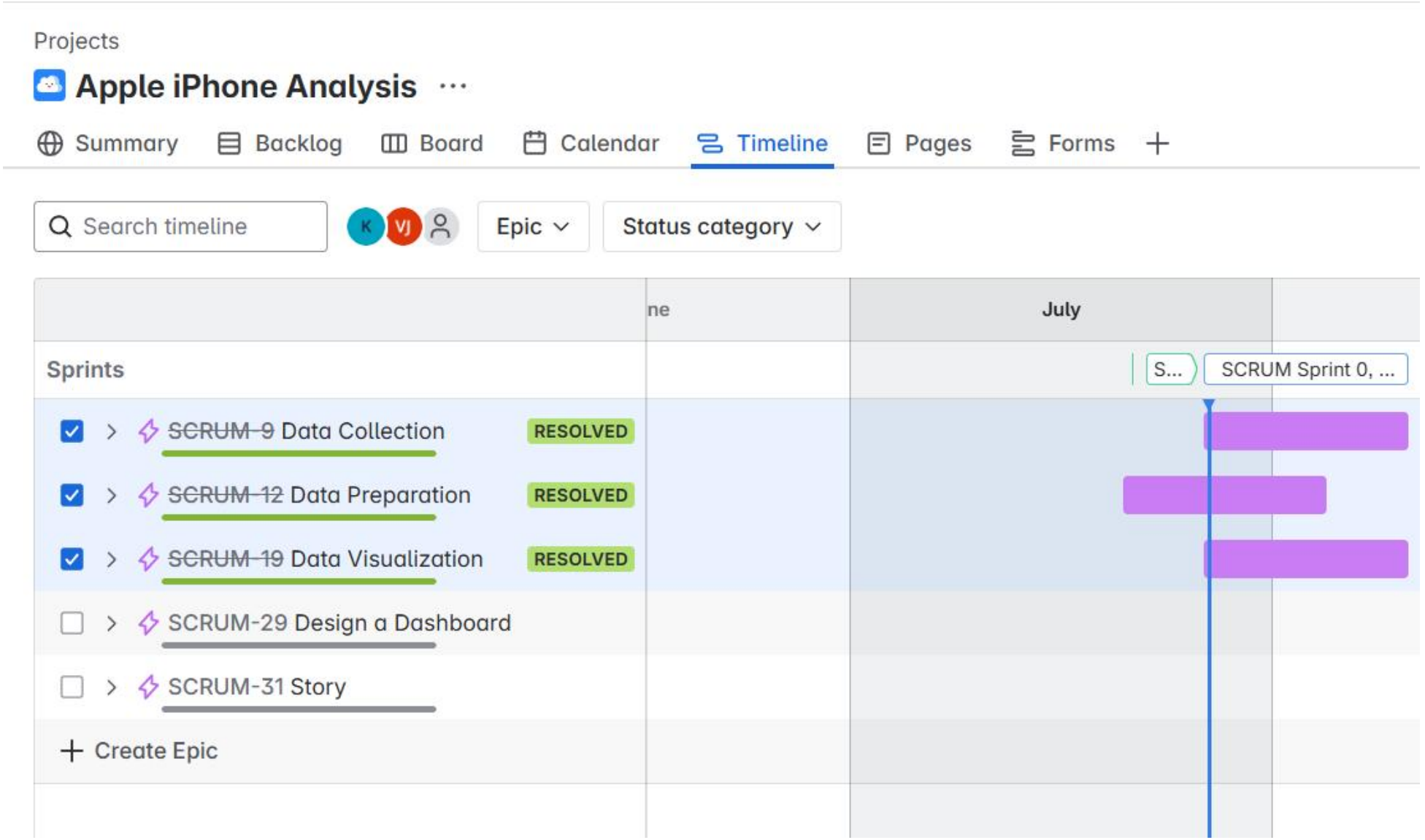
$$\text{Velocity} = \text{Number of Sprints} / \text{Total Story Points Completed}$$

$$\text{Velocity} = 420+20+20+20 \quad = 480 \quad = 20 \text{ story points per sprint}$$

**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.




Projects
Apple iPhone Analysis
Summary
Backlog
Board
Calendar
Timeline
Pages
Forms
Search timeline
K
VJ
Epic
Status category
ne
July
Sprints
S...
SCRUM Sprint 0, ...
SCRUM-9 Data Collection
RESOLVED
SCRUM-12 Data Preparation
RESOLVED
SCRUM-19 Data Visualization
RESOLVED
SCRUM-29 Design a Dashboard
SCRUM-31 Story
Create Epic