

## Project Planning Phase

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

Date	18 October 2022
Team ID	LTVIP2026TMIDS36490
Project Name	<i>iRevolution – A Data-Driven Exploration of Apple's iPhone Impact in India Using Tableau</i>
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	Data Collection	USN-1	As an analyst, I can collect the iPhone dataset from Excel/Google Sheets for analysis.	2	High	P.srilaxmi P.kavya P.lakshmi P.Yulangasami
Sprint -1	Data Preparation	USN-2	As an analyst, I can clean and validate the dataset before visualization.	3	High	P.srilaxmi P.kavya P.lakshmi P.Yulangasami
Sprint -1	Calculated Fields	USN-3	As an analyst, I can create calculated fields like Growth %, Market Share %, Revenue Change	3	High	P.srilaxmi P.kavya P.lakshmi P.Yulangasami

Sprint -2	Revenue Visualization	USN-4	As a user, I can view annual revenue trends in a line chart.	2	High	P.srilaxmi P.kavya P.lakshmi P.Yulangasami
Sprint -2	Market Share Analysis	USN-5	As a user, I can view quarterly and model-wise market share distribution.	3	High	P.srilaxmi P.kavya P.lakshmi P.Yulangasami
Sprint -2	Brand Comparison	USN-6	As a user, I can compare brand price and battery type using treemap and bar charts	2	Medium	P.srilaxmi P.kavya P.lakshmi P.Yulangasami
Sprint -3	Dashboard Design	USN-7	As a user, I can interact with filters (Year, Country, Model) on the dashboard.	3	High	P.srilaxmi P.kavya P.lakshmi P.Yulangasami
Sprint -3	Story Creation	USN-8	As a user, I can view insights in a step-by-step story format.	2	Medium	P.srilaxmi P.kavya P.lakshmi P.Yulangasami
Sprint -4	Web Integration	USN-9	As a user, I can access the dashboard through a Flask web application.	3	High	P.srilaxmi P.kavya P.lakshmi P.Yulangasami
Sprint -4	Performance Testing	USN-10	As a user, I can experience smooth dashboard performance without lag.	2	High	P.srilaxmi P.kavya P.lakshmi P.Yulangasami

### 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	
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	

#### 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)

$$AV = \frac{\text{sprint duration}}{\text{velocity}} = \frac{20}{10} = 2$$