

Project Planning Phase

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

Date	10 February 2026
Team ID	LTVIP2026TMIDS82607
Project Name	iRevolution: A Data-driven Exploration of Apple's iPhone Impact in India using Tableau
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Product Backlog

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Data Pipeline Setup	USN-1	As a developer, I can download the Apple products XLSX from Google Sheets using data_loader.py	3	High	Manohar
Sprint-1		USN-2	As a developer, I can parse all 7 worksheets and export	3	High	Manohar

			clean CSVs to the /data/ folder			
Sprint-1		USN-3	As a developer, I can load all CSV datasets into pandas DataFrames at Flask startup	2	High	Manoj
Sprint-1	Flask Backend	USN-4	As a developer, I can create the Flask app with route / serving the main page	2	High	Manoj
Sprint-2		USN-5	As a developer, I can create /api/kpis endpoint returning JSON KPI metrics	3	High	Manohar
Sprint-2		USN-6	As a developer, I can create /api/apple-products endpoint	2	Medium	Manoj

			returning product specs			
Sprint-2	Tableau Visualizations	USN-7	As an analyst, I can view Battery Type bar chart on Tableau Public	2	High	Manohar
Sprint-2		USN-8	As an analyst, I can view Brand-Price treemap and Model-wise bubble chart	3	High	Manohar
Sprint-3		USN-9	As an analyst, I can view Country-wise bar chart, Quarterly pie chart, Revenue line chart	3	High	Manoj
Sprint-3		USN-10	As an analyst, I can view Global Market Map and complete dashboard	3	High	Manoj
Sprint-3		USN-11	As an analyst, I can navigate	3	Medium	Manohar

			through the 5-scene data story			
Sprint-3	Frontend Development	USN-12	As a user, I can see an Arsha-inspired hero section with glassmorphism design	2	Medium	Manoj
Sprint-4		USN-13	As a user, I can see animated KPI counters that load from the Flask API	3	High	Manohar
Sprint-4		USN-14	As a user, I can search and filter the Apple products specification table	2	Medium	Manoj
Sprint-4		USN-15	As a user, I can view all Tableau embeds with responsive layout and	3	High	Manohar

			scroll animations			
Sprint-4	Testing & Polish	USN-16	As a developer, I can verify all API endpoints and Tableau embeds work correctly	2	High	Manoj

Sprint Schedule

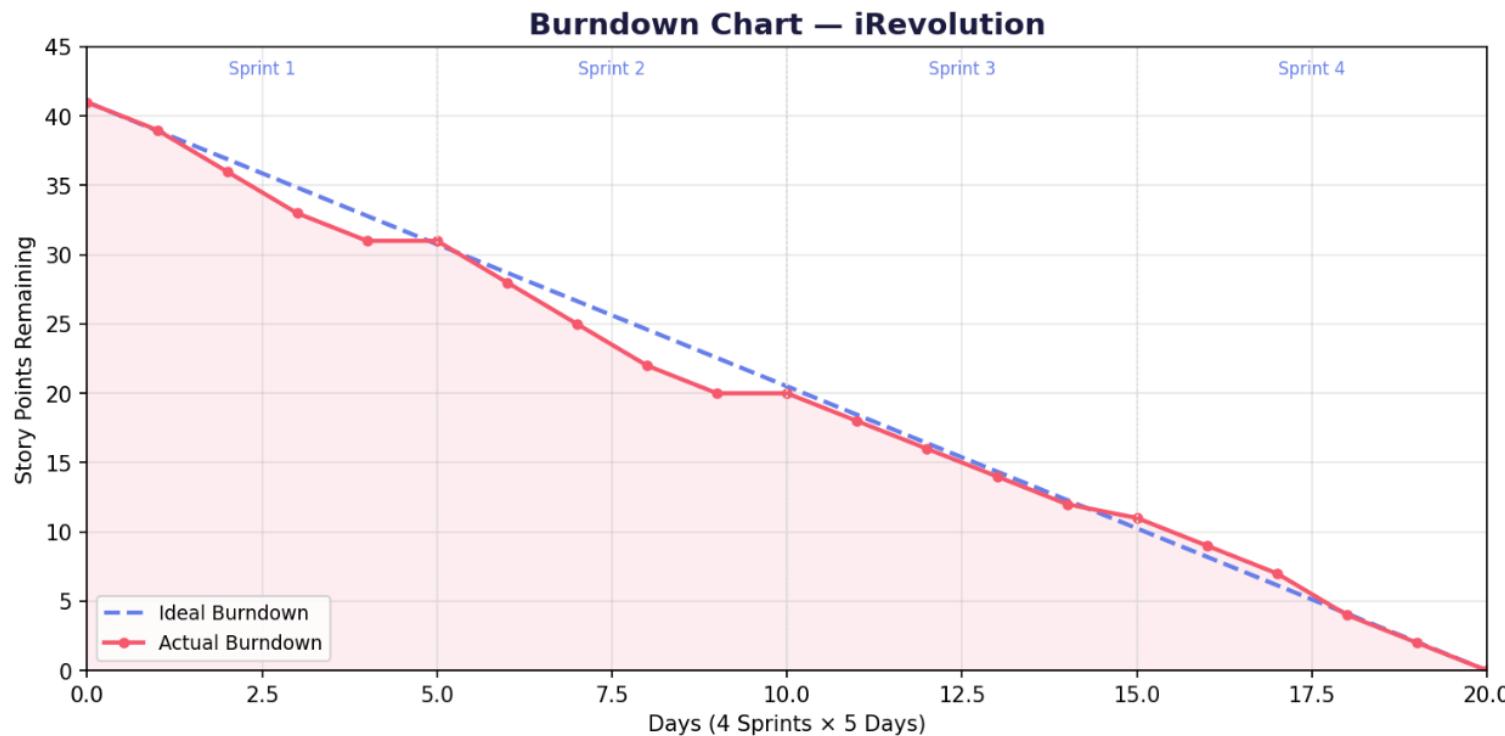
Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed	Sprint Release Date (Actual)
Sprint-1	10	5 Days	01 Feb 2026	05 Feb 2026	10	05 Feb 2026
Sprint-2	10	5 Days	06 Feb 2026	10 Feb 2026	10	10 Feb 2026
Sprint-3	11	5 Days	11 Feb 2026	15 Feb 2026	11	15 Feb 2026
Sprint-4	10	5 Days	16 Feb 2026	20 Feb 2026	10	20 Feb 2026

Project Tracker, Velocity & Burndown Chart: (4 Marks)

Velocity:

Sprint duration: 5 days. Team velocity: ~10 story points per sprint. Average velocity (AV) per day = $10/5 = 2$ story points/day. Total story points: 41 across 4 sprints.

Burndown Chart:



Total work: 41 story points. Ideal burndown: $41 \rightarrow 0$ over 20 working days (4 sprints \times 5 days). Actual burndown follows closely with minor deviations.