Project Design Phase-II
Solution Requirements (Functional & Non-functional)

Date	24 JUNE 2025
Team ID	LTVIP2025TMID50857
Project Name	iRevolution: A Data-driven Exploration of Apple's iPhone Impact in India using Tableau
Maximum Marks	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	Interactive KPI Dashboard	Displays revenue, units sold, active users, and discount percentage filtered by year and region.
FR-2	Model & Spec Analytics	Allows users to compare iPhone models based on features like display size, battery type, RAM, and camera.
FR-3	Quarterly Market Share Visualization	Displays brand-wise share in India across four quarters using donut and bar charts.
FR-4	Pricing Pattern Insights	Visualizes average price distribution and discount trends by feature and battery type.
FR-5	Geo-Map Representation	Shows Apple's regional performance across Indian states.
FR-6	Story-Based Dashboard Navigation	Sequential story view explaining Apple's performance journey with narrative captions.

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	Performance	Dashboards must load within 3–5 seconds even with filters applied.
NFR-2	Scalability	The framework should support future data addition (e.g., new models or regions).
NFR-3	**Responsiveness**	Dashboard layout should be usable on laptops and projectors during presentations.
NFR-4	**Performance**	The interface must be simple, readable, and require no technical background to explore.
NFR-5	**Usability**	Use a dark theme with eye-comfort colors and clear legends to reduce user fatigue.
NFR-6	**Data Accuracy**	Ensure calculations (KPIs, averages, comparisons) are correctly validated against source files.