

Project Design Phase - II

Solution Requirements (Functional & Non-Functional)

Date – 24th July 2025

Team ID - PNT2025TMID09841

Project Name: iRevolution: A Data-driven Exploration of Apple's iPhone Impact in India

Maximum Marks: 4 Marks

This document defines the functional and non-functional requirements for the iPhone Value-for-Money Dashboard. It aims to ensure that all features, performance standards, and quality attributes are clearly outlined.

1. Functional Requirements (FR)

FR No.	Requirement	Description
FR-1	Data Preparation	Clean and preprocess the raw iPhone dataset (CSV/Excel) and calculate the Value Score.
FR-2	KPI and Metric Generation	Generate KPIs such as Average Price, Average Rating, and Discount Percentage, and display Top 5 iPhones by Value Score.
FR-3	Filters and Interactivity	Provide filters for price range and star rating, allowing users to narrow down iPhone models.
FR-4	Dashboard Visualization	Create interactive dashboards with charts such as bar charts, scatter plots, and Value Score comparisons.

2. Non-Functional Requirements (NFR)

NFR No.	Requirement	Description
NFR-1	Usability	The dashboard should have

		a simple, intuitive, and interactive interface.
NFR-2	Security	Data is hosted securely on Tableau Public with restricted access.
NFR-3	Reliability	The dashboard should load without errors and handle dataset updates reliably.
NFR-4	Performance	Filters and KPIs should load within 2 seconds for an optimal experience.
NFR-5	Availability	The dashboard must be available 24/7 online through Tableau Public.
NFR-6	Scalability	New iPhone data should be easily integrated without major redesign.