

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

Date	31 January 2025
Team ID	LTVIP2025TMID49000
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	User Registration	Registration through Form Registration through Gmail Registration through LinkedIn
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Data Collection & Import	Import raw dataset from Flipkart
FR-4	Data Processing & Enrichment	Create derived columns like "Savings" and "IsDiscounted"
FR-5	Data Analysis in Tableau	Build visualizations on price trends and ratings
FR-6	Dashboard & Export	Export dashboards and insights to report

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The dashboard must be intuitive, with tooltips and filters for easier navigation
NFR-2	Security	Data will be handled with confidentiality and saved locally for analysis
NFR-3	Reliability	Tableau dashboards must load without errors from the processed dataset
NFR-4	Performance	Dashboards must load within 3 seconds on standard systems

NFR-5	Availability	Tableau dashboards and dataset files must be backed up to cloud storage
NFR-6	Scalability	The solution should be extendable to other mobile brands or regions