

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

Date	31 January 2025
Team ID	PNT2025TMID09535
Project Name	iRevolution : A data driven exploration of Apple's iPhone impact in India
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 dashboard	Filter data by year, region and product specifications to explore trends.
FR-2	Pricing analysis	Analyse iPhone models based on features like battery, display and pricing tiers.
FR-3	Market share visualization	Region wise maps depicting Apple's market penetration across Indian states.
FR-4	Storyboarding for Insights	View curated storyboards that narrate Apple's growth journey in India.
FR-5	Sales and revenue trend analysis	Time series dashboards showing quarterly and yearly performance metrics.
FR-6	Consumer demographic insights	Allows segmentation of users to reveal how iPhone adoption varies among consumer types.

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	Visualizations must be intuitive with clear legends, tooltips and mobile friendly layouts.
NFR-2	<b>Security</b>	Access controls and encryption should be in place.
NFR-3	<b>Integrity</b>	All insights should be clean, validated datasets to ensure reliable conclusion.
NFR-4	<b>Performance</b>	Should load quickly and handle large datasets without lag.
NFR-5	<b>Compatibility</b>	Dashboard and visualization should work seamlessly across devices.
NFR-6	<b>Scalability</b>	System should support future data expansion – new model, regions or metrics.