**Project Design Phase-II**

**Solution Requirements (Functional & Non-functional)**

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| Date | 28 June 2025 |
| Team ID | LTVIP2025TMID50169 |
| 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.

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| --- | --- | --- |
| **FR No.** | **Functional Requirement (Epic)** | **Sub Requirement (Story / Sub-Task)** |
| FR-1 | User Interaction | |  | | --- | | View interactive Tableau dashboard |  |  |  |  | | --- | --- | --- | |  |  | Filter by model, price, rating, region | |
| FR-2 | Data integration | |  | | --- | | Import product data (from Excel/CSV) |  |  |  |  | | --- | --- | --- | |  |  | Auto-refresh dashboard (weekly updates) | |
| FR-3 | Analytics Insights | |  | | --- | | Compare model-wise ratings and prices |  |  |  |  | | --- | --- | --- | |  |  | Identify most popular regions/models | |
| FR-4 | Recommendation engine | |  | | --- | | Recommend iPhones by budget and usage |  |  |  |  | | --- | --- | --- | |  |  | Use filters: Price range, RAM, reviews | |

**Non-functional Requirements:**

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

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| --- | --- | --- |
| **FR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | **Usability** | Simple, intuitive Tableau dashboard; accessible on browser |
| NFR-2 | **Security** | Only team members can upload/edit data |
| NFR-3 | **Reliability** | Data sources (Excel, CSV) backed up and version controlled |
| NFR-4 | **Performance** | Dashboard loads under 3 seconds for filtered views |
| NFR-5 | **Availability** | Dashboard available 24/7 during project term |
| NFR-6 | **Scalability** | Expandable to include Android phone data, new brands, or regions |