**Project Design Phase-II**

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

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| Date | 02 Jun 2025 |
| Team ID | LTVIP2025TMID49086 |
| 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.

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| **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 | User Feedback Collection | Collect feedback via embedded form or email  Store feedback in separate file or sheet |
| FR-4 | Dashboard Access | |  | | --- | |  |   View usage trends of iPhone across India  Filter data by year, region, and demographic categories.  Compare iPhone with other smartphone brands |
| FR-5 | Data Export | Users can download key insights in PDF/CSV  Data snapshot export option in Tableau |
| FR-6 | Data Upload (Admin) | Admin uploads CSV/Excel file to Tableau  Validate and clean data using Python |

**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** | The dashboard offers an intuitive, interactive interface with clear filters |
| NFR-2 | **Security** | Google Drive access control, Tableau access settings to limit visibility |
| NFR-3 | **Reliability** | Dashboards are consistently available with up-to-date data and visuals |
| NFR-4 | **Performance** | Optimized using Tableau Extracts and filters for faster response time |
| NFR-5 | **Availability** | Hosted on Tableau Public or Cloud for 24x7 access |
| NFR-6 | **Scalability** | Easily scalable to include new datasets, filters, or additional charts |