

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

|               |   |
|---------------|---|
| Date          | 02 November 2025                              |
| Team Id       | NM2025TMID03181                               |
| Project Name  | Calculating Family Expenses using Service Now |
| 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   | Expense Entry                 | User can enter daily or monthly expenses using a catalog form.                                      |
| FR-2   | Expense Categorization        | Each expense can be tagged under predefined categories (e.g., groceries, utilities, entertainment). |
| FR-3   | Budget Management             | Admin or user can set monthly budget limits per category.   |
| FR-4   | Expense Calculation           | System automatically calculates total expenses and compares them with set budgets.                  |
| FR-5   | Notifications                 | System sends alerts or notifications when expenses exceed the defined budget.                       |
| FR-6   | Reports & Dashboards          | Users can view monthly and category-wise reports, trends, and charts.                               |
| FR-7   | Data Storage & Security       | Users can view monthly and category-wise reports, trends, and charts.                               |
| FR-8   | Export / Sharing              | Reports can be exported to PDF or CSV formats for sharing.  |

## Non-Functional Requirements

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

| NFR No. | Non-Functional Requirement | Description   |
|---------|----------------------------|---|
| NFR-1   | Usability                  | Interface should be intuitive and user-friendly for both admin and family members   |
| NFR-2   | Security                   | Only authorized users can add, edit, or delete expenses; sensitive data should be protected.  |
| NFR-3   | Reliability                | System must accurately calculate totals and budget comparisons without data loss.   |
| NFR-4   | Performance                | Expense calculation and alert generation should execute instantly without lag. Expense calculation and alert generation should execute instantly without lag. |
| NFR-5   | Availability               | System should be accessible 24/7 within the ServiceNow platform.  |
| NFR-6   | Scalability                | Must handle increased users and expenses as the family data grows.  |
| NFR-7   | Maintainability            | System should allow easy modification of categories, limits, and reports.   |
| NFR-8   | Transparency               | All transactions should be traceable for verification and audit purposes.   |