**Project Design Phase-II**

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

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| Date | 24 June 2025 |
| Team ID | LTVIP2025TMID20412 |
| Project Name | Calculating Family Expenses using Service Now |
| Mentor Name | Dr Shaik Salma Begum |
| 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 | ServiceNow Setup | |  | | --- | |  |  |  | | --- | | Set up Personal Developer Instance | |
| FR-2 | Update Set Management | Create and activate update set |
| FR-3 | Table Creation | |  | | --- | |  |  |  | | --- | | Create Family Expenses table with auto-numbering  Create Daily Expenses table with auto-numbering | |
| FR-4 | |  | | --- | |  |  |  | | --- | | Relationship Configuration | | |  | | --- | |  |  |  | | --- | | Configure relationship between Family and Daily Expenses  Add related list to Family Expenses form | |
| FR-5 | Business Rule Automation | |  | | --- | |  |  |  | | --- | | Create business rule to automate insert/update actions | |
| FR-6 | Budget Monitoring | Configure alert when expenses exceed budget |
| FR-7 | |  | | --- | |  |  |  | | --- | | Reporting | | |  | | --- | |  |  |  | | --- | | Generate categorized expense reports | |

**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 system will provide user-friendly forms and clear related lists for easy data entry and review. |
| NFR-2 | **Security** | Only authorized users will have access to configure or modify expense records and settings. |
| NFR-3 | **Reliability** | The system will accurately maintain relationships and business rule triggers without data loss. |
| NFR-4 | **Performance** | The system will process record creation and form loading within acceptable response times. |
| NFR-5 | **Availability** | The solution will be available during PDI uptime without downtime for core operations. |
| NFR-6 | **Scalability** | The solution will support additional expense records, families, and reporting requirements as needed. |