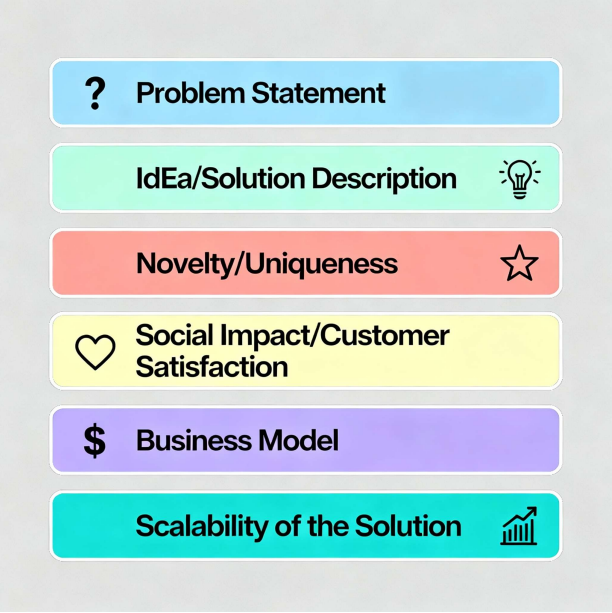
PROJECT DESIGN PHASE
Proposed Solution

Date	27 November 2025
Team ID	NM2025TMID01558
Project Name	Calculating Family Expenses Using ServiceNow
Maximum Marks	2 Marks

Proposed Solution Template:



Proposed Solution – Family Expense Calculation System Using ServiceNow

Managing family finances becomes difficult when expenses are recorded manually through paper bills, WhatsApp notes, or calculators. There is no proper summary to understand monthly spending, category-wise usage, or balance status. To solve this real-life problem, a centralized, automated, and user-friendly expense tracking system is required.

Proposed Solution

The proposed solution is to build a **Family Expense Management System** on the **ServiceNow**

platform, where family members can enter their spending and the system automatically:

- Stores the expense with date, category, and amount
- Calculates total daily, weekly, and monthly expenses
- Displays category-wise spending (food, medicine, shopping, bills, travel, etc.)
- Generates visual reports and charts
- Helps in budgeting and decision-making

Key Features of the Solution

1. Expense Entry Form

- Simple form for adding expense records
- Fields include Date, Category, Amount, Notes, and Member Name

2. ServiceNow Table for Storing Data

- Custom table to store all expense information
- Every entry is securely saved and can be viewed anytime

3. Automatic Total Expense Calculation

- Business rules calculate total monthly expenditure
- No manual addition or calculator needed

4. Category-wise Insights

- Helps understand how much is spent on food, travel, bills, shopping, etc.
- Useful for reducing unnecessary spending

5. Monthly Reports and Dashboard

- Reports show spending patterns
- Graphs and charts for easy analysis
- Helps compare month-to-month spending

6. User Transparency

- Any family member can login and view expenses
- Improves trust and financial discipline