

# Project Design Phase

## Proposed Solution

|               |  |
|---------------|--|
| Date          | 06-11-2025                                   |
| Team ID       | NM2025TMID01384                              |
| Project Name  | Calculating Family Expenses Using ServiceNow |
| Maximum Marks | 2 Marks                                      |

## Proposed Solution Template:

| Parameter          | Description  |
|--------------------|--|
| User Login         | The system allows authorized family members to securely log in to the ServiceNow portal to access the expense management module. |
| Expense Input Form | A custom form is provided where users  |

|                               |   |
|-------------------------------|---|
|                               | can enter<br>daily/weekly/monthly<br>expenses such as Food,<br>Transport, Medical, etc.                     |
| Expense Category<br>Selection | Each expense is<br>categorized during entry<br>to help in identifying<br>where the money is<br>being spent. |
| Data Storage (Table)          | The entered expenses<br>are stored in a custom<br>Service Now table .                                       |
| Visualization Dashboard       | A graphical dashboard<br>displays charts and<br>summaries showing<br>spending trends over<br>time.          |

## Conclusion

- ◆ The Consumer Price Index is a measure of the cost of living. The CPI tracks the cost of the typical consumer's "basket" of goods & services. If you are NOT typical-----
- ◆ The CPI is used to make Cost of Living Adjustments (eg CPP) , and to correct economic variables for the effects of inflation.
- ◆ The real interest rate is corrected for inflation, and is computed by subtracting the inflation rate from the nominal interest rate.

## Solution Description:

In the proposed system, **ServiceNow** is used as a platform to efficiently manage, calculate, and analyze family expenses. The solution begins with a secure **user login**, ensuring that only authorized family members can access the expense management portal. Users will enter their daily or monthly expenses through a **custom expense input form**, where each expense is recorded along with its **category** such as Food, Transport, Medical, Shopping, etc. This helps in organizing the data clearly.