

Budget Tracker: Project Overview

This project focuses on designing a **Budget Tracker** for XYZ Company Pvt. Ltd. to efficiently monitor financial performance, analyze income and expenses, and identify profit/loss trends. The tracker is built using Excel, incorporating advanced formulas and visualization techniques for actionable insights.

Key Features:

1. Financial Metrics:

- **Total Income:** ₹15,43,550.62
- **Total Expense:** ₹14,96,469.30
- **Net Income:** ₹47,081.32
- **Expense-to-Income Ratio:** 96.95%
- **Average Income:** ₹3,118.28
- **Average Expense:** ₹2,963.31

2. Category vs. Transaction Analysis:

- Bar charts visualize financial distribution across categories like Consulting, Marketing, HR, Operations, Payroll, Sales, Supplies, and Travel.
- Vendor-wise and category-specific breakdowns highlight spending trends for better budgeting.

3. State-wise Profit/Loss Distribution:

- A map visualizes state-wise financial outcomes. For example, California reports the highest profit, while some states show losses, aiding in regional performance analysis.

4. Payment Methods:

- Pie charts represent the percentage distribution of payment methods:
 - **Bank Transfer:** 50.00%
 - **Cash:** 55.46%
 - **Credit:** 54.30%
 - **Debit:** 55.73%

5. Employee Financial Performance:

- A table shows individual employee income, expense, net income, and profit/loss statements, highlighting areas for improvement.

6. Vendor vs. Transaction Type:

- A bar chart provides insights into vendor-specific transaction amounts, enabling optimized vendor management.
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Tools and Techniques Used:

1. Excel Formulas:

- **SUMIF:** To aggregate data based on specific criteria.

- **VLOOKUP:** For dynamic data retrieval and mapping.
- **IF Statements:** For profit/loss classification.

2. **Visualizations:**

- Bar charts, pie charts, and maps for intuitive data representation.

3. **Conditional Formatting:**

- Highlights trends and anomalies in financial data for immediate attention.