

Ideation Phase

Brainstorming & Idea

Team ID: LTVIP2026TMIDS24962

Project: Empowering India: Union Budget Analysis

February 16, 2026

Step 1: Team Gathering & Problem Definition

Team Members:

- **Team Leader:** Maddi Ganesh
- **Member:** Satwik Vemuri
- **Member:** Sobha Vinay Babu Merugumala
- **Member:** Polimetla Naveen Kumar

Problem Statement (How Might We):

"How might we transform the complex, tabular data of the Indian Union Budget into an interactive, visual format so that stakeholders in Renewable Energy, EVs, and Healthcare can easily identify funding opportunities and trends?"

Step 2: Brainstorming & Idea Grouping

Idea Generation Session

Rules: Defer judgment, go for volume, encourage wild ideas.

note1 Idea 1: Use Tableau for all charts to ensure interactivity.	note2 Idea 2: Embed the dashboard in a Flask web app for easy access.	note3 Idea 3: Create a "Compare Years" feature to see growth.
note4 Idea 4: Use a MySQL database to handle large datasets efficiently.	note1 Idea 5: Add a "Download PDF" button for reports.	note2 Idea 6: Show a specific breakdown for the "Green Energy" sector.
note3 Idea 7: Make the dashboard mobile-responsive.	note4 Idea 8: Use Treemaps to show the largest schemes visually.	note1 Idea 9: Add a search bar to find specific Ministries.

Idea Grouping (Affinity Mapping)

We grouped the generated ideas into three core clusters:

Cluster A: Data Visualization (Tableau)

- Use Treemaps for Top 5 Schemes.
- Use Bubble Charts for Department comparisons.
- Implement Filters for Years and Ministries.

Cluster B: Technical Implementation (Backend)

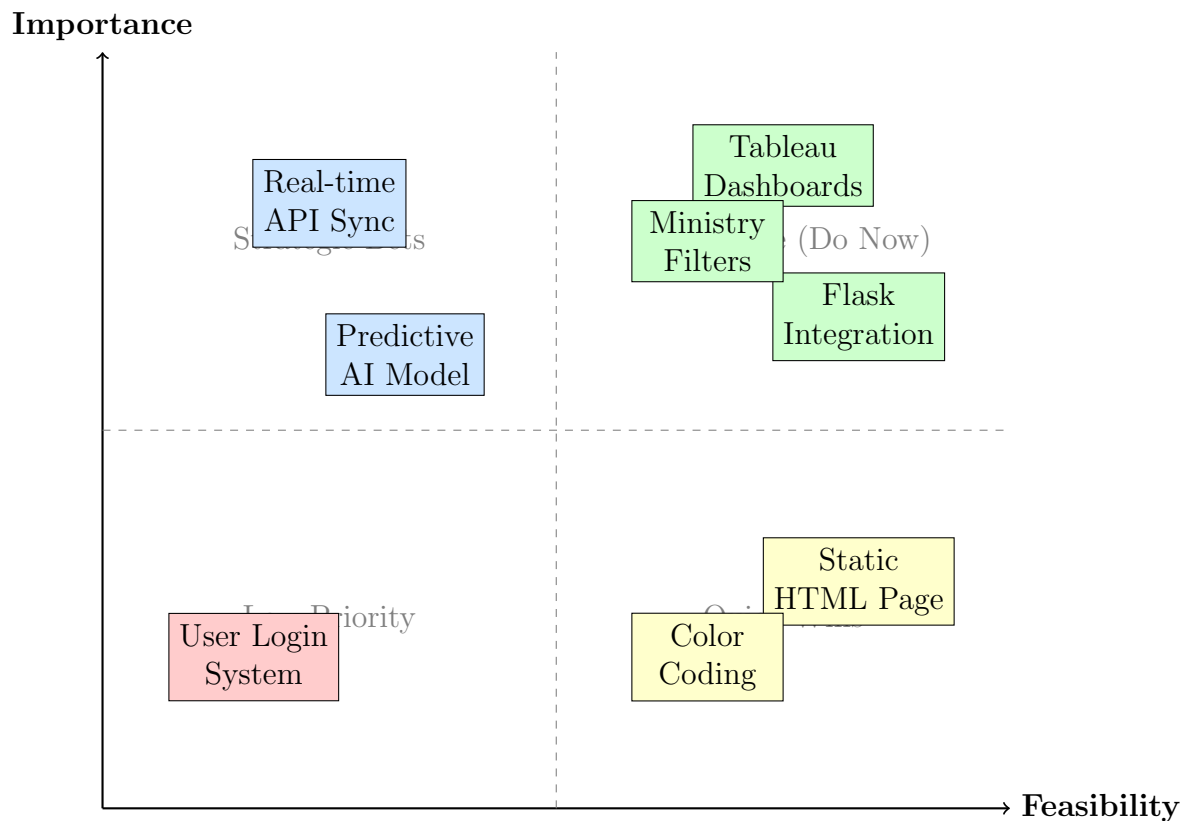
- Store cleaned data in MySQL.
- Use Flask (Python) to serve the application.
- Host on a local server for demonstration.

Cluster C: User Experience (UI)

- Simple Landing Page with "Get Started" button.
- Responsive Iframe embedding.
- Clear labels for "Actuals" vs "Estimates".

Step 3: Idea Prioritization Matrix

Mapping ideas based on Importance (User Value) vs. Feasibility (Ease of Implementation).



Conclusion

Based on the prioritization matrix, the team will focus on the **High Value (Do Now)** quadrant:

1. Developing the **Tableau Dashboards** with "Actuals vs Estimates".
2. Implementing the **Flask Web Application** wrapper.
3. Ensuring **Data Filters** are functional for user interactivity.