

## **Empowering India: Analysing the Evolution of Union Budget Allocations for Sustainable Growth**

DATE	28-02-2026
TEAM ID	LTVIP2026TMIDS90655
PROJECT NAME	<b>Empowering India: Analysing the Evolution of Union Budget Allocations for Sustainable Growth</b>
MAXIMUM MARKS	4 MARKS

### **4.3- Solution Architecture Documentation:**

#### **1. Introduction:**

This project focuses on analyzing Union Budget allocations to understand how government spending supports sustainable growth in India. The system collects, processes, and visualizes budget data to help policymakers, researchers, and students gain meaningful insights.

It mainly studies budget data released by the **Government of India**, especially through the **Ministry of Finance** and advisory inputs from **NITI Aayog**.

#### **2. Objectives of the System:**

The main objectives of the solution are:

- Collect historical Union Budget data
- Analyze sector-wise allocations
- Measure impact on sustainable development
- Present results using dashboards and reports
- Support academic and policy research

#### **3. Stakeholders:**

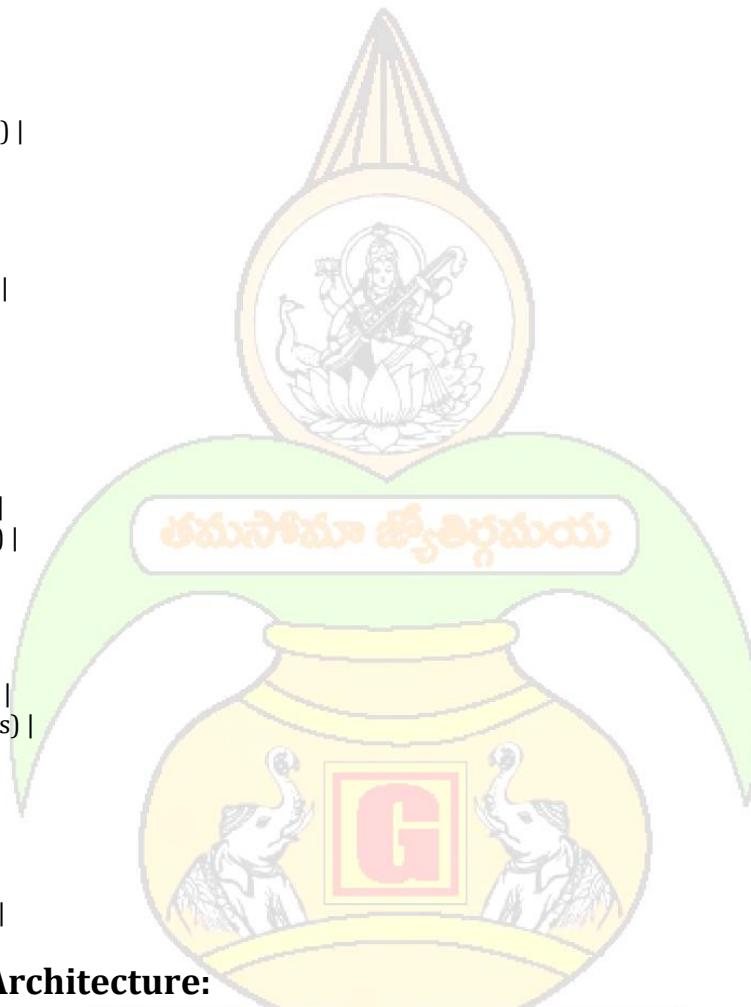
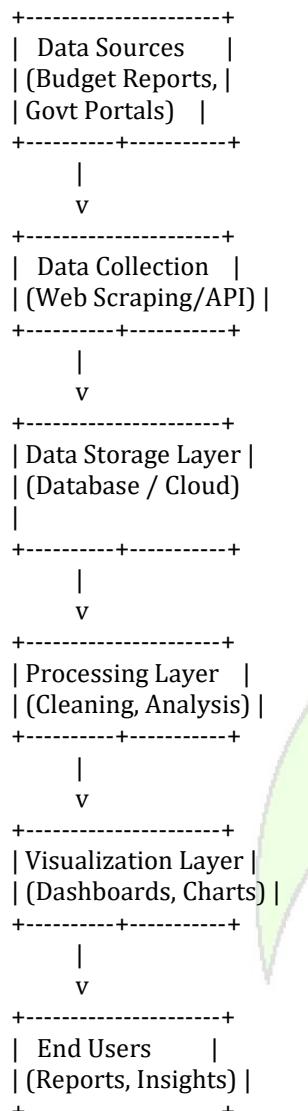
Stakeholder	Role
Students	Research and learning
Researchers	Data analysis
Policymakers	Policy evaluation
Analysts	Trend identification
Government Bodies	Decision support

#### **4. Overall System Architecture:**

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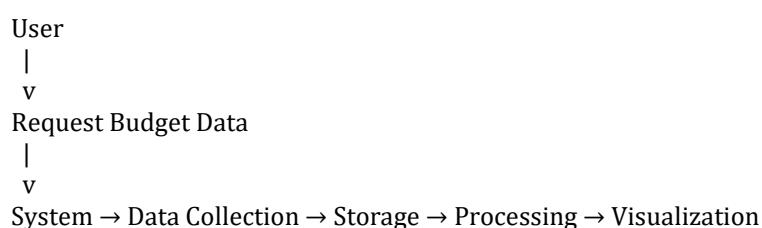
The system follows a layered architecture model:

## ◆ High-Level Architecture Diagram



## **5. Data Flow Architecture:**

### ◆ Data Flow Diagram (DFD - Level 1)



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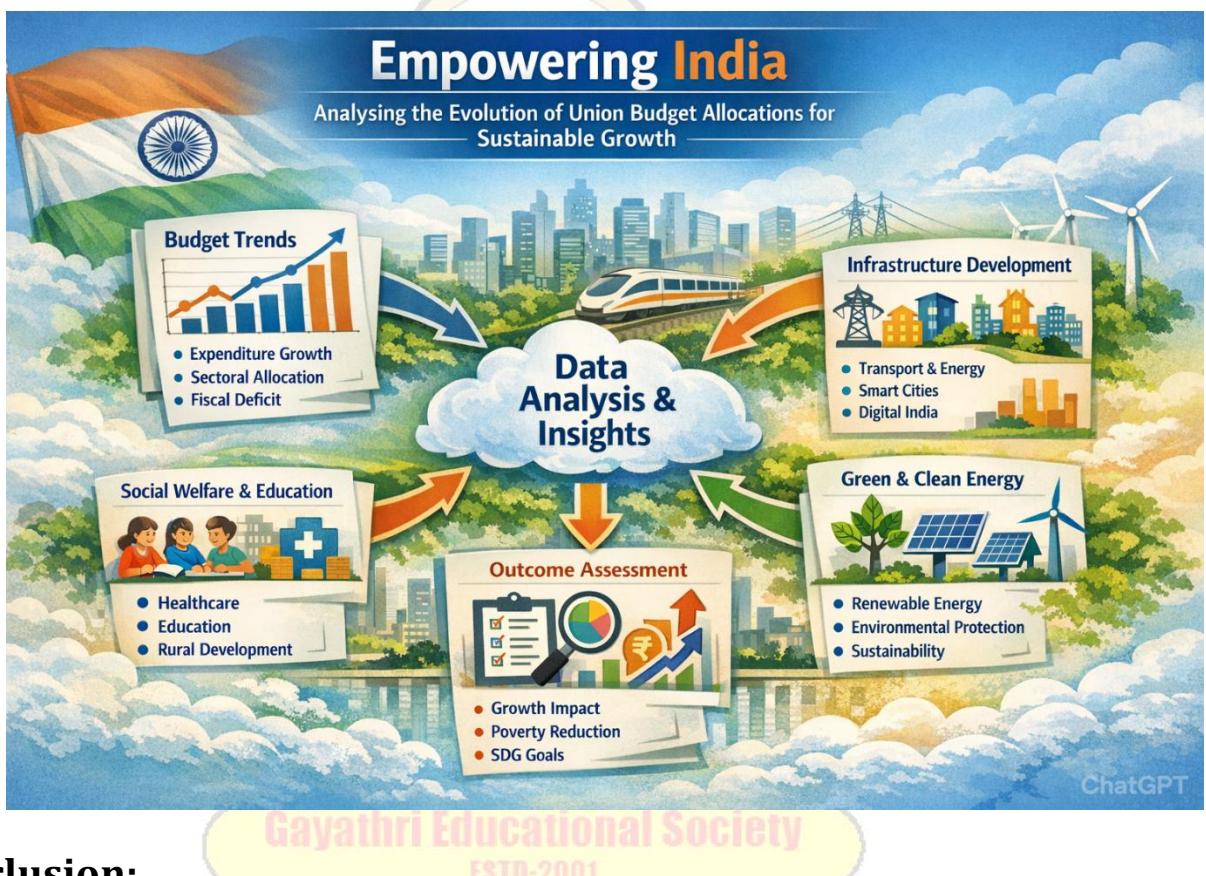
|  
v  
User Receives Report

## 6. Security Architecture:

Security ensures data integrity and privacy.

### Measures:

- User Authentication
- Role-Based Access
- Encrypted Storage
- Regular Backups
- Audit Logs



## Conclusion:

This solution architecture provides a structured, scalable, and secure system for analyzing Union Budget allocations. It enables effective monitoring of sustainable development investments and supports evidence-based policymaking.