# GST Fraud Detection Report

## Fraud Analysis Summary

\*\*Fraud Detection Report\*\*  
  
\*\*Overview\*\*  
  
After analyzing the provided GST transaction data, several potential fraud patterns have been identified. This report outlines the findings and highlights areas that require further investigation.  
  
\*\*Unusual Input Tax Credit (ITC) Claims\*\*  
  
| Invoice No | ITC Claim (₹) | Difference (%) |  
| --- | --- | --- |  
| 1003 | 480000 | -49.6% |  
  
\* FakeCo has made an unusually high ITC claim of ₹480,000 for a sales amount of ₹500,000. This suggests that they may be overstating their credit to reduce their tax liability.  
  
\*\*Mismatched Sales vs. GST Paid\*\*  
  
| Invoice No | Sales Amount (₹) | GST Paid (₹) | Difference (%) |  
| --- | --- | --- | --- |  
| 1006 | 50000 | 9000 | -81.8% |  
  
\* XYZ Ltd has claimed a GST paid amount of ₹9,000 for a sales amount of ₹50,000, which is significantly lower than the standard GST rate.  
  
\*\*Duplicate Transactions\*\*  
  
| Invoice No | Sales Amount (₹) | Date |  
| --- | --- | --- |  
| 1001 | 100000 | 2024-03-01 |  
| 1005 | 100000 | 2024-03-05 |  
  
\* A duplicate transaction has been identified for invoice 1001, with the same sales amount of ₹100,000 on different dates.  
  
\*\*Suspicious Refunds or Tax Evasion Risks\*\*  
  
| Invoice No | ITC Claim (₹) | Difference (%) |  
| --- | --- | --- |  
| 6 | 36000 | -65.7% |  
  
\* FakeCo has made an unusually high ITC claim of ₹36,000 for a sales amount of ₹1,000,000. This suggests that they may be overstating their credit to avoid paying taxes.  
  
\*\*Recommendations\*\*  
  
Based on the analysis, the following recommendations are suggested:  
  
1. Investigate FakeCo's business operations and financial history to determine the validity of their ITC claims.  
2. Verify the sales amounts and GST paid for XYZ Ltd's transactions to ensure accuracy.  
3. Cancel duplicate transactions for invoice 1001.  
4. Review FakeCo's refund claims and verify the accuracy of their ITC claims.  
  
\*\*Conclusion\*\*  
  
This report highlights several potential fraud patterns in the provided GST transaction data. Further investigation is necessary to validate these findings and determine the root cause of any discrepancies.

## Data Visualizations

The following chart provides insights into GST transactions and possible anomalies.

