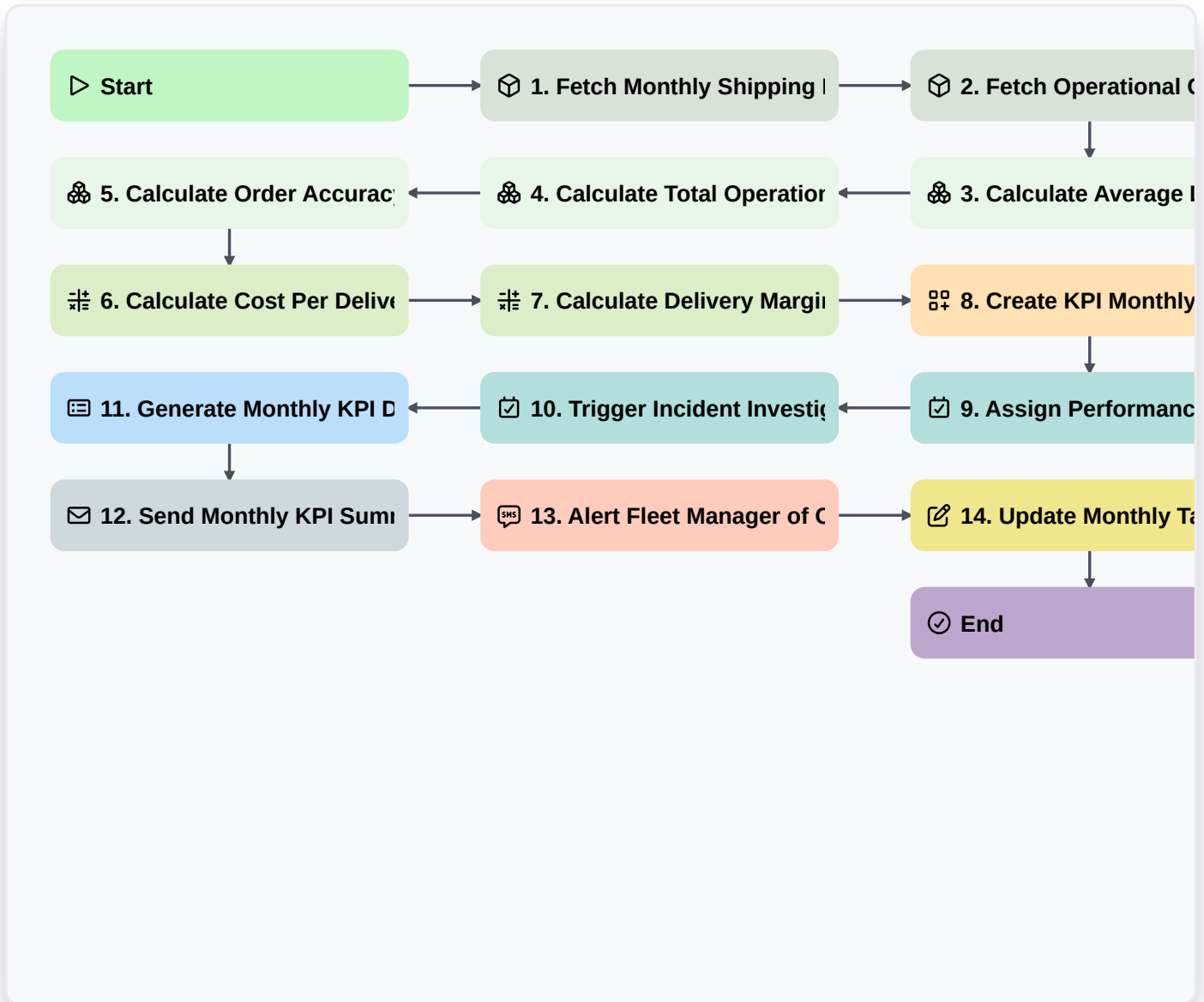


Logistics KPI & Performance Analytics Process



Start

Start of the Workflow/Process.

1. Fetch Monthly Shipping Logs

Retrieve all completed delivery entries from the Logistics Data Model for the current month.

2. Fetch Operational Costs

Retrieve all fuel, labor, and maintenance cost entries from the Expenses Data Model.

3. Calculate Average Delivery Time

Calculate the average duration between 'Order Placed' and 'Delivered' timestamps from shipping entries.

4. Calculate Total Operational Cost

Sum all cost entries (fuel, labor, maintenance) to get total monthly expenditure.

5. Calculate Order Accuracy Rate

Calculate the percentage of orders with zero 'Damaged' or 'Incorrect' flags against total orders.

6. Calculate Cost Per Delivery

Divide Total Operational Cost by the total number of successful deliveries.



7. Calculate Delivery Margin

Subtract Total Operational Cost from Total Revenue collected from deliveries.

8. Create KPI Monthly Summary

Create a new entry in the 'Monthly Performance Report' data model containing the calculated KPIs.

9. Assign Performance Review Task

Create a task for the Logistics Manager to review the monthly variance report.

10. Trigger Incident Investigation

Create a task for the Fleet Supervisor if the 'Damage Rate' exceeds the predefined threshold.

11. Generate Monthly KPI Dashboard

Generate a visual report summarizing the performance trends for the management team.

12. Send Monthly KPI Summary to Stakeholders

Send an automated email to the Executive Team with the summary of key metrics.

13. Alert Fleet Manager of Critical Delay

Send an SMS alert to the Fleet Manager if the 'Average Delivery Time' increases by >15%.

14. Update Monthly Target Status

Update the 'Target vs Actual' entry in the Strategic Goals data model based on current performance.

End

End of the Workflow/Process.