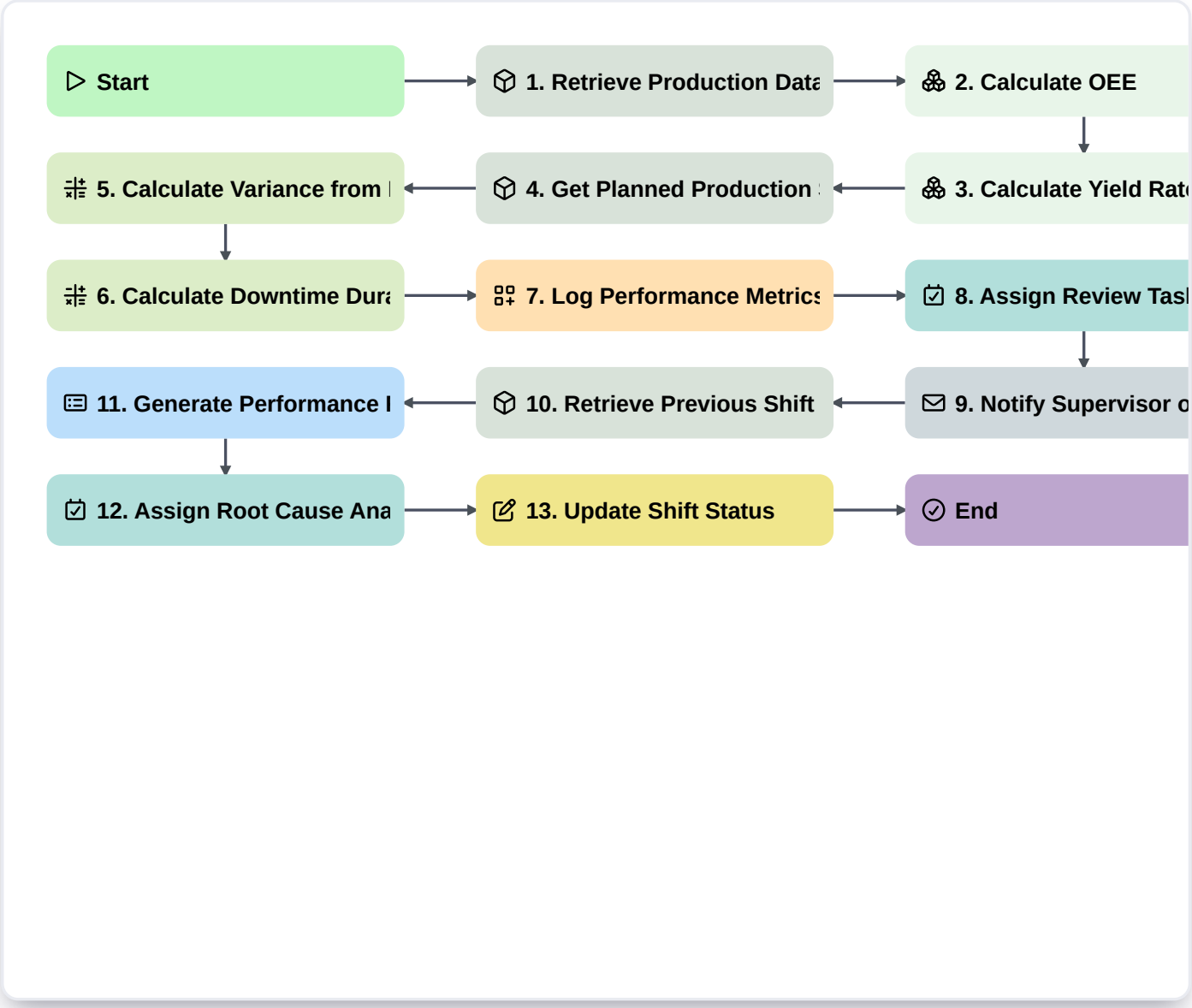
ChecklistGuro

Production Performance Monitoring Workflow For Manufacturers



Start
Start of the Workflow/Process.

1. Retrieve Production Data
Fetch production data from the MES system for the previous shift.

2. Calculate OEE
Aggregate data to calculate Overall Equipment Effectiveness (OEE).

3. Calculate Yield Rate
Aggregate data to calculate the yield rate for the production run.

4. Get Planned Production Schedule
Retrieve the planned production schedule for comparison.

5. Calculate Variance from Plan
Calculate the difference between actual and planned production quantities.

6. Calculate Downtime Duration
Calculate total downtime duration based on recorded downtime events.

7. Log Performance Metrics
Create an entry in the performance metrics data model with calculated metrics.

8. Assign Review Task
Create a task for the production supervisor to review performance metrics.

9. Notify Supervisor of Key Deviations
Send an email to the production supervisor if OEE falls below a threshold.

10. Retrieve Previous Shift Performance
Get the performance data from the previous shift to enable comparison.

11. Generate Performance Report
Create a report summarizing the current shift's performance.

12. Assign Root Cause Analysis Task (if needed)
Create a task for engineering if performance falls outside acceptable parameters.

13. Update Shift Status
Update the status of the current shift in the system.

End
Start of the Workflow/Process.