Smart Manufacturing Operations Dashboard
6G-Enabled Performance, Quality & Efficiency Monitoring

Total Operations	Average Production Speed	Avg Defect Rate (%)	Avg Error Rate	Avg Network Latency	Avg Power Consumption
100,000	275.9 units/hr	5.0%	7.5%	25.6 ms	5.7 kW

Key Insights
- Production speed remains stable over time, with Active operation mode consistently outperforming Idle and Maintenance modes.

- Defect and error rates are lowest during Active operations and increase during Maintenance periods, indicating higher operational risk.

- Network latency remains low and stable, supporting reliable real-time manufacturing performance.

- Power consumption is consistent, suggesting efficient energy utilization across operations.

"Average production speed remains stable over time, with Active operation mode consistently outperforming Idle and Maintenance modes. A slight upward trend is observed in Active mode toward March, indicating incremental efficiency gains."
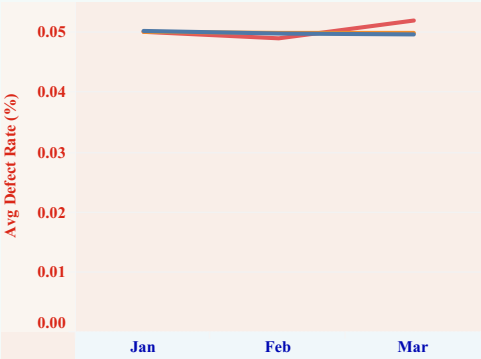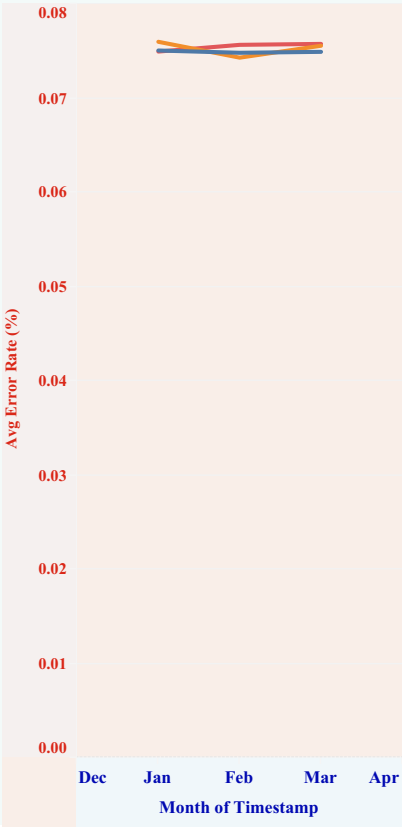
AVG(Production Speed units per hr)
273
276
278
280
282
283

Operation Mode
- Active
- Idle
- Maintenance

Average Defect Rate Over Time

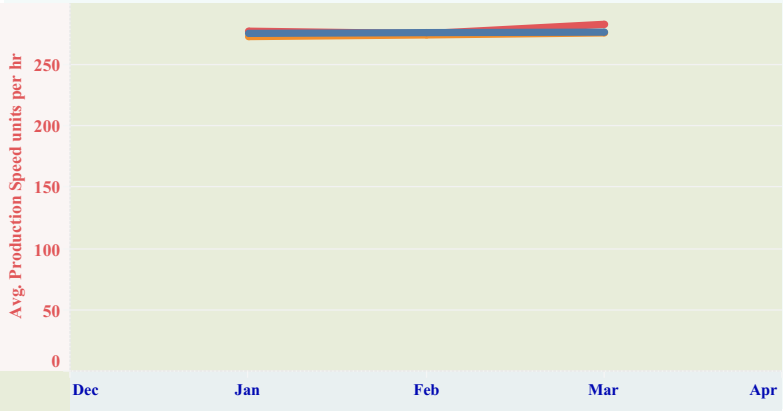### Average Error Rate Over Time

Avgerage Production Speed Over Time

Trend – Network Latency Over Time