

# Operations Management Roadmap

## Phase 1: Basics of Operations Management

- **Production & Process Design** – Manufacturing vs. Service Operations.
- **Operations Strategy** – Cost, quality, flexibility.
- **Key Performance Indicators (KPIs)** – Efficiency, productivity, cost-effectiveness.

## Phase 2: Supply Chain & Logistics

- **Supply Chain Fundamentals** – Procurement, inventory management.
- **Lean Management & Six Sigma** – Waste reduction, process improvement.
- **Warehouse & Logistics Management** – Distribution channels, transportation.

## Phase 3: Project & Quality Management

- **Project Management Tools** – Gantt Charts, PERT, Critical Path Method.
- **Quality Management** – Total Quality Management (TQM), ISO standards.
- **Risk Management** – Identifying and mitigating supply chain risks.

## Phase 4: Technology & Automation in Operations

- **ERP Systems** – SAP, Oracle, Microsoft Dynamics.
- **AI & Data Analytics** – Predictive maintenance, demand forecasting.
- **Sustainability in Operations** – Green supply chain management.