EXPLORE OPERATIONS
WITH TEAM OP-ERA

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Presented by: Sai Parthiv

What is Operations Management? & Why does my business need It?

Operations management (OM) is the administration of business practices to create the highest level of efficiency possible within an organization.

Operations Management: Core Principles, Efficiency Drivers, and Industry Impact

Core Principles

Operations Management focuses on optimizing the utilization of resources, including labor, equipment, materials, and technology, to achieve efficient production and service delivery.

Efficiency Drivers

Key drivers include process improvement, technology adoption, automation, lean manufacturing principles, and data analytics to streamline operations and reduce waste.

Industry Impact

Effective operations management enhances productivity, reduces costs, improves quality, and enhances overall business performance. It is a critical factor for success in today's competitive environment.

What is Supply Chain?

The Management of the Flow of goods and services and includes all processes that transform raw materials into final products

Supply Chain

Raw Material → Supplier → Factory → Distribution → Retail → Customer

Key Concepts of Efficient SCM

Sourcing

Selecting and procuring raw materials, components, and services from reliable suppliers.

Production

Transforming raw materials into finished goods, optimizing processes, and maintaining quality standards.

Distribution

Moving finished goods from production facilities to warehouses and ultimately to customers.

Inventory Management

Balancing supply and demand, minimizing stockouts, and reducing inventory holding costs.

Real-World SCM Applications

1 Retail: Streamlining inventory management, reducing stockouts, and optimizing store layout.

2 Manufacturing: Managing complex production schedules, ensuring timely delivery of components, and minimizing production delays.

3 Healthcare: Ensuring the availability of critical medical supplies, managing pharmaceuticals, and optimizing distribution networks.

The Strategic Importance of SCM

Cost Reduction

Streamlining processes, minimizing waste, and optimizing inventory levels.

Improved Customer Satisfaction

Ensuring timely delivery, accurate order fulfillment, and personalized service.

Enhanced Agility & Resilience

Adapting to market changes, responding to disruptions, and building sustainable operations.

Competitive Advantage

Gaining a competitive edge through efficient operations, superior customer service, and cost-effective solutions.

Operations Management: Core Principles

Analyzing and optimizing workflows, identifying bottlenecks, and streamlining processes.

Maintaining consistent quality standards, implementing robust quality control measures, and minimizing defects.

Embracing new technologies, implementing automation, and exploring innovative solutions.

Maximizing output, minimizing waste, and achieving optimal resource utilization.

Drivers of Operational Efficiency

1 **Data Analytics**

Leveraging data insights to identify areas for improvement, optimize resource allocation, and make informed decisions.

2 **Automation**

Automating repetitive tasks, streamlining workflows, and reducing human error, thus freeing up resources for more strategic initiatives.

3 **Supply Chain Visibility**

Tracking goods in real-time, gaining insights into inventory levels, and optimizing transportation routes for faster delivery.

4 **Collaboration and Communication**

Fostering strong relationships between suppliers, manufacturers, distributors, and customers, leading to seamless coordination.

SCM & Operations: Industry Relevance

1

Retail

Managing inventory, optimizing store layout, and improving customer experiences.

2

Manufacturing

Streamlining production, managing complex supply chains, and optimizing transportation networks.

3

Healthcare

Ensuring the availability of critical medical supplies, managing pharmaceuticals, and optimizing distribution networks.

Emerging Trends and Innovations

Artificial Intelligence (AI)

Optimizing forecasting, automating processes, and improving supply chain visibility.

Blockchain Technology

Enhancing transparency, traceability, and security across the supply chain.

Sustainable Practices

Reducing carbon footprint, implementing circular economy principles, and promoting ethical sourcing.

THANK YOU