



SNS COLLEGE OF TECHNOLOGY



Coimbatore - 35

23BAT613 – Operations Management

UNIT-I

Functions of System Perspective

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1st
*Indian
Institution
To
Implement*

**Design
Thinking
Curriculum**

Redesigning
Common Mind and
Business Towards
Excellence



RECAP

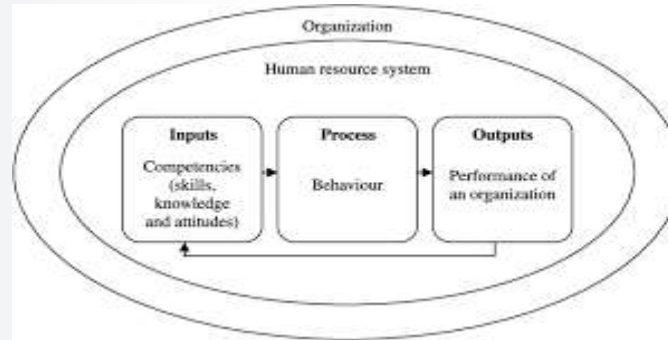
- Differences between services and Goods





TODAY'S TOPIC:

Functions of System Perspective





Introduction to System Perspective



A system perspective is a holistic approach to problem-solving, considering the interconnected elements and their interactions within a system.



Importance of System Perspective in Problem-Solving

Comprehensive Understanding

It provides a comprehensive view of complex issues.

Identifying Root Causes

Allows identification of interconnected root causes rather than isolated symptoms.

Anticipating Consequences

Enables anticipation of unintended consequences of interventions within the system.





Key Components of System Perspective

Boundaries

Defining the system's scope and its interaction with the environment.

Interconnections

Understanding the relationships and influences among system elements.

Feedback Mechanisms

Examining how the system responds to internal and external changes.





Examples of Applying System Perspective

Environmental Science

Studying ecosystems and the **impact of human activities on natural systems.**

Healthcare

Considering healthcare as a **network of interconnected services and patients.**

Engineering

Designing integrated systems to address complex societal challenges.





Challenges of Implementing System Perspective

Complexity

- Understanding the **intricate relationships** within a system.

Resistance to Change

- Challenges in shifting from **linear thinking to a systemic approach**

Interdisciplinary Collaboration

- Requiring collaboration across **diverse domains and expertise.**

Feedback

A system of loops that connect communication and action





Case Studies Highlighting Successful Use of System Perspective

Automotive Manufacturing

- ▶ Integrated system perspective led to 15% efficiency gain in automotive assembly lines.

Pharmaceutical Production

- ▶ System perspective implementation improved quality control, ensuring compliance.

Electronics Assembly

- ▶ Enhanced productivity and reduced defects through system perspective strategies.





ASSESSMENT



What is the aim of just in time production?

- a. Reduce manpower
- b. Zero inventories
- c. Over production
- d. All the above



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**THANK
YOU!**