



SNS COLLEGE OF TECHNOLOGY



Coimbatore - 35

23BAT613 – Operations Management

UNIT-III - OPERATIONS AND THE VALUE CHAIN

Developing Capacity Alternatives

Presented by

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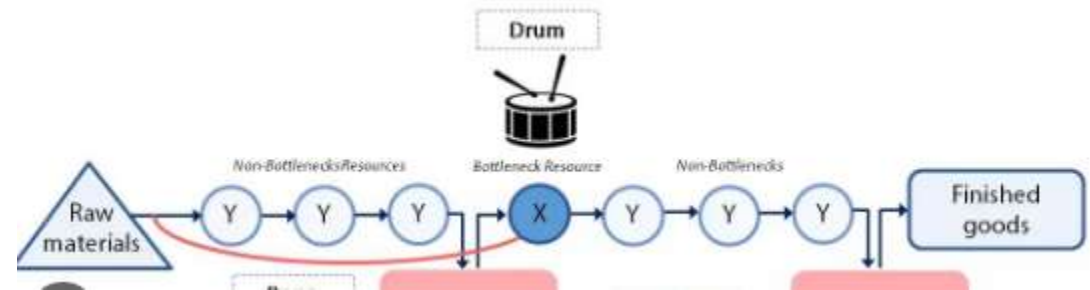
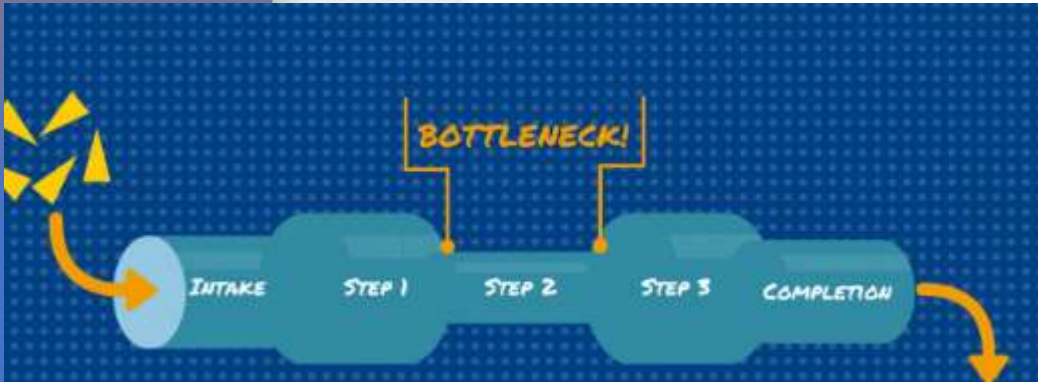
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Recap:

Long range and types



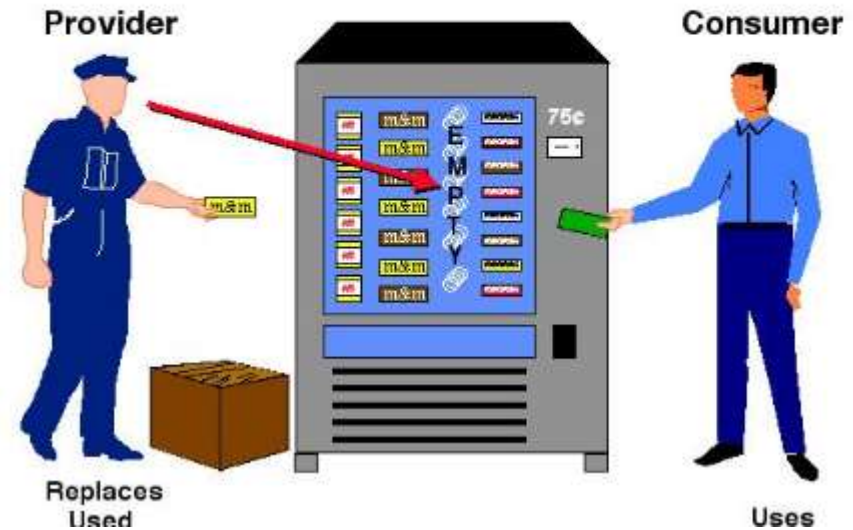
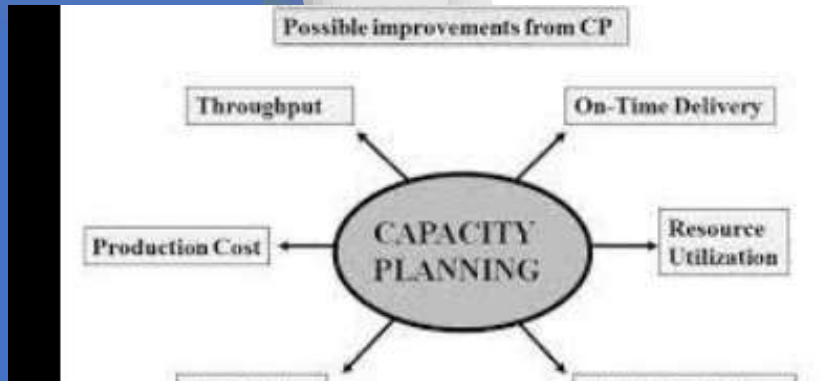


Today's Topic:



Developing Capacity Alternatives

Synchronous / Lean Manufacturing Pull System





Developing Capacity Alternatives - Meaning

Developing Capacity Alternatives" suggests a focus on creating different strategies or solutions to build or enhance capabilities in a particular area.

Developing capacity alternatives involves a systematic approach to identifying, evaluating, and implementing new strategies or solutions to enhance capabilities



Developing Capacity Alternatives



Organizational Development:

In the context of businesses or non-profits, this could mean finding new ways to expand the skills and abilities of employees or the organization as a whole. This could include training programs, leadership development initiatives, or introducing new technologies to improve efficiency.



Developing Capacity Alternatives



Infrastructure and Services:

For governments or public service providers, developing capacity alternatives might involve creating new infrastructure projects or enhancing existing services to meet growing demands. This could be in sectors like healthcare, education, transportation, or utilities.



Developing Capacity Alternatives



Sustainable Development:

In environmental and sustainability contexts, this could refer to finding alternative methods to achieve development goals while minimizing environmental impact. This might involve adopting renewable energy sources, implementing green building practices, or developing sustainable agriculture techniques.



Developing Capacity Alternatives



Community Empowerment:

For community organizations, it might involve creating programs that empower residents through education, job training, or other resources that help them improve their economic and social conditions.



Developing Capacity Alternatives



Innovation in Technology:

In the tech industry, this could mean exploring new technologies or methodologies to enhance product development or service delivery. It could involve research and development, adopting cutting-edge software, or exploring new business models.



Developing Capacity Alternatives



Education and Training:

In education, this might mean developing alternative educational programs or curricula that cater to diverse learning needs and prepare students for future challenges. This could include online learning platforms, vocational training, or alternative teaching methodologies.



Developing Capacity Alternatives



Disaster Preparedness and Response:

For emergency management, developing capacity alternatives might involve creating backup systems, diversifying response strategies, and enhancing the resilience of communities to various types of disasters.



Steps in Developing Capacity Alternatives



Assessment of Current Capacity:

Identify Existing Resources and Capabilities: Evaluate the current state of resources, skills, and infrastructure.

Analyze Gaps and Needs: Determine where there are deficiencies or areas for improvement.



Steps in Developing Capacity Alternatives



Define Objectives and Goals:

Set Clear and Measurable Goals: Establish what you aim to achieve with the new capacity alternatives.

Align with Organizational Mission: Ensure the objectives support the broader mission and strategic plan.



Steps in Developing Capacity Alternatives



Research and Exploration:

Review Best Practices and Innovations: Look at successful strategies and technologies used by others.

Conduct Benchmarking: Compare your capacities with similar organizations or industry standards.

Engage Stakeholders: Gather input and insights from stakeholders, including employees, community members, or clients.



Steps in Developing Capacity Alternatives



Generate Alternative Solutions:

Brainstorm Potential Strategies: Develop a list of possible alternatives to address the identified gaps.

Evaluate Feasibility: Consider the practicality, costs, and benefits of each alternative.

Assess Risks: Identify potential risks and challenges associated with each option.



Steps in Developing Capacity Alternatives



Prioritize and Select Alternatives:

Develop Criteria for Selection: Establish criteria based on goals, feasibility, cost, impact, and risk.

Use Decision-Making Tools: Apply tools like SWOT analysis (Strengths, Weaknesses, Opportunities, Threats) or cost-benefit analysis.

Select the Best Alternatives: Choose the most promising and viable options for implementation.



Steps in Developing Capacity Alternatives



Develop an Implementation Plan:

Define Steps and Milestones: Outline the detailed steps required to implement the chosen alternatives, including timelines and milestones.

Allocate Resources: Determine the necessary resources (financial, human, technological) and assign responsibilities.

Create a Communication Plan: Ensure clear communication with all stakeholders about the plan and its progress.



Steps in Developing Capacity Alternatives



Implement the Plan:

Execute the Steps: Follow through with the implementation plan, ensuring adherence to timelines and milestones.

Monitor Progress: Continuously track the progress and make adjustments as needed.



ASSESSMENT:



- Which of the following best defines capacity planning?
- A. Planning for financial resources
 - B. Planning for human resources
 - C. Planning for optimizing operational efficiency
 - D. Planning for aligning resources with demand forecasts



Summary

By following these steps, organizations can systematically develop and implement capacity alternatives that enhance their ability to achieve their goals and address emerging challenges effectively.



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