



# SNS COLLEGE OF TECHNOLOGY



**Coimbatore - 35**

**23BAT613 – Operations Management**

**UNIT-II Forecasting**

**Resource Planning**

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**1<sup>st</sup> Indian Institution To Implement** **Design Thinking Curriculum**

Redesigning  
Common Mind and  
Business Towards  
Excellence



# RECAP

## Qualitative Forecasting

**Qualitative &  
Quantitative**  
Forecasting Methods





# TODAY'S TOPIC:



## Resource Planning





# Resource planning

Resource planning involves identifying, acquiring, and allocating resources needed to accomplish **specific tasks, projects, or objectives efficiently** and effectively. This process is crucial for organizations to ensure that they have the right people, **materials, equipment, and other resources** available when and where they are needed.





# Resource planning

**Identifying Resources:** This step involves listing and categorizing all the resources required for a project or task. This includes **human resources (skills, expertise)**, materials, equipment, finances, etc.

**Estimating Requirements:** Once resources are identified, it's important to **estimate the quantity and timing of each resource** needed. This could involve assessing the number of staff required, the amount of materials needed, the duration of equipment usage, etc.







# Resource planning

**Allocating Resources:** In this step, resources are assigned to specific tasks or activities. This involves **matching the availability** and capabilities of resources to the requirements of the project.

**Scheduling:** Once resources are allocated, a schedule is developed to ensure that resources are **utilized effectively** and that tasks are completed within the desired timeframe.





# Resource planning

**Monitoring and Control:** Throughout the project, it's essential to monitor resource usage and adjust plans as necessary. This involves tracking **resource consumption**, identifying any deviations from the plan, and making corrections to ensure that resources are used efficiently.

**Optimization:** Resource planning also involves optimizing resource utilization to minimize costs, **maximize productivity**, and ensure that project objectives are met on time.





# Summary

- Meaning
- Identifying Resources
- Estimating requirements
- Allocating resources
- Scheduling
- Monitoring and control
- Optimization







## ASSESSMENT:



Which of the following is NOT a primary objective of operations management?

- a) Maximizing efficiency
- b) Minimizing costs
- c) Maximizing customer satisfaction
- d) Maximizing shareholder wealth



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