



## Issues in Process Analysis Do I have adequate number of resources to meet the demand? If I need to add some extra resources where should I add? What is the utilization of my resources? If I need to increase the capacity of my system how should I modify the process? Should I add some more resources? What will the cost of my operation? One can find answers to the above questions by process analysis







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## **Process Analysis**

## **Performance Metrics**

- <u>Throughput time</u>: Throughput time (TPUT) is the elapsed time from the first stage of the process to the last stage of the process. It is also known as lead time.
- <u>Cycle Time</u>: Cycle time is the elapsed time between two successive output from a process that is continuously operating in a given period of time.
- **Bottleneck**: That stage of the process that dictates the output of a process is the bottleneck.
- TPUT is a relevant measure for MTO systems.
- Measures such as Cycle Time and Bottleneck are relevant in the case of MTS systems.















