



Operations Scheduling



Introduction

Operations scheduling is critical to the success of an organization; however, it can be a very complicated task. Effective schedules are needed to meet promised customer delivery dates or inventory targets.

It covers the following areas in particular:

- *assign job to a particular work center/ machine*
- *time of assignment of job and completion*
- *allocation of resources like manpower and materials*
- *time sequence of operations*
- *feedback and control function to take care of deviations*



Objectives of Operations Scheduling



- Making efficient use of the labour.
- Making best possible use of the equipments that are available for the use.
- Increasing the profit.
- Increasing the output.
- Improving the service level.



Objectives of Operations Scheduling



- Maximizing the delivery performance i.e. meeting the delivery dates.
- Minimizing the inventory.
- Reducing the manufacturing time.
- Minimizing the production costs.
- Minimizing the worker costs.



Functions of Operations Scheduling



- Allocation of the resources.
- Shop floor control.
- Making maximum use of the plant at minimum possible cost.
- Ensure that the needs of the manpower are optimum.
- Determination of the sequence of the jobs.



Functions of Operations Scheduling



- Specifying the start and the end time for each job (actively scheduled).
- Getting quick feedback from the shops regarding the delays and the various interruptions.
- Possess up – to – date information for the availability of the materials, expected delivery dates etc.
- Possess up – to – date data on the machine regarding its breakdown, servicing etc.