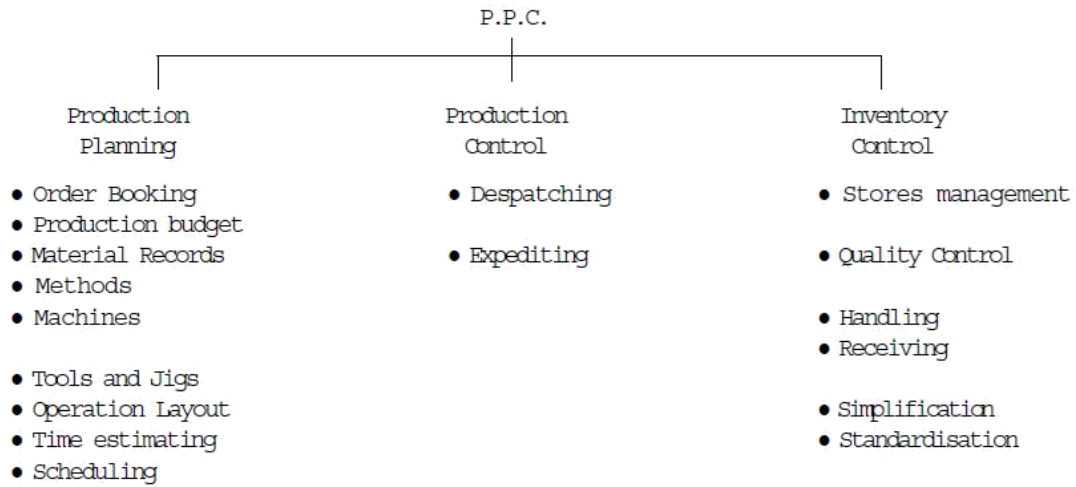


ORGANISATION CHART FOR P.P.C. DEPARTMENT



An organization chart for production management department.

A block diagram depicting the architecture of a control system is shown in [Figure. _](#)

Figure 1: Architecture of Control System

Important functions covered by production planning and control (PPC) function in any manufacturing system are shown in [Table1](#) along with the issues to be covered.

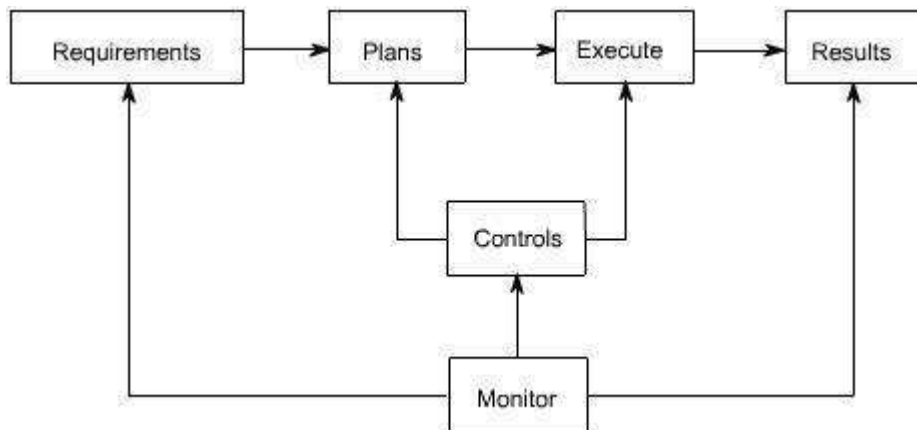


Table 1: Production Planning and control Functions

Functions	Issues to be covered
Product Design & Development	Customer needs, market needs, availability of similar product, demand-supply gap, functional aspects, operational aspects, environmental aspects etc.
Demand Forecasting	Quantity, Quality, Demand pattern.
Capacity Planning	No. of machines, No. of tooling, workers, No. of flow lines, Quantity, Quality and rate of production, demand pattern.
Equipments Selection & Maintenance	No. of machines, type of M/c, Quality aspects, Quantity aspects, rate of production, Cost of equipments, support from the supplier, maintenance policy, storage of spare parts.
Tooling Selection	Compatibility between w/c steels, No. of tools, their cost, their material etc, storage policy.
Material Selection & Management	Types, specification, quality aspect, quantity aspect, cost, supplies reputation, lot size, inventory levels, setup cost, mode of transportation etc.
Process Planning	Generation of manufacture instruction, selection of M/c, tools, parameters, sequence etc.
Loading	Division of work load, assignment of tasks, uniform loading, matching between capability & capacity with job requirements.
Routing	Path selection for material movement as per the process plan and loading, minimum material handling and waiting time.
Scheduling	Time based loading, start and finish times, due dates, dispatching rules, re-scheduling.
Expediting	Operation Scheduling and order and progress reporting.

Types of Production Systems

A production system can be defined as a transformation system in which a saleable product or service is created by working upon a set of inputs. Inputs are usually in the form of men, machine, money, materials etc. Production systems are usually classified on the basis of the following:

- Type of product,
- Type of production line,
- Rate of production,
- Equipments used etc.