



E-Learning

Production Planning
and Control



eLearning Course Title: **Production Planning & Control**

eLearning Course **Type: Free or Paid:** Paid

If Paid, Registration Fee (including GST):-Rs 2000/-(Rupees – Two thousand only) per participant

Course conducted by Group/ Regional Directorate Name:- RD, Chandigarh
Director

Name & Designation of Course Coordinator: Mr. Suvyendu Shivakar, Assistant Director

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eLearning Program Start Date: 15/05/2021|

eLearning Duration: 5 days

About eLearning Program (Brief One para): - **Production planning and control** (or **PPC**) is **defined** as a work process which seeks to allocate human resources, raw materials, and equipment/machines in a way that optimizes efficiency. It enables efficiency, coordination, and the leveraging of **production**-related data to drive improvement.

Production planning is required for scheduling, dispatch, inspection, quality management, inventory management, supply management and equipment management. Production control ensures that production team can achieve required production target, optimum utilization of resources, quality management and cost savings.

The planning process within an organization is dynamic and continuous. It is nothing but deciding future course of action of the organization well in advance so that executives at different level will play their roles as per the guidelines. Strategic decision are warehouse location, distribution system, building a new plant, mergers and acquisition, new product planning, R & D planning, forming new technology department. Tactical decision are pricing a product, product development by value analysis, preventive maintenance policy, short term forecasting, make or buy decision, plant layout, project scheduling, negotiation, buying equipment. Operational decision are sampling plan to inspect the raw material at stores,

machine loading, daily operator scheduling, order entry, production scheduling, inventory control. The Planning is considered to be an essential step in business mainly because the end results depend on the input and the approach followed at this stage. So productivity of an organization can be improved by better planning efforts.

This e-learning course will cover concepts and benefits of Production Planning and control and discuss techniques and steps involved in Production Planning and control

eLearning Course Coverage (Specify Module details) :-

Module-1: Introduction of Production Planning and control

Module-2: Single Machine Scheduling

Module-3: Flow Shop Scheduling

Module-4: Job Shop Scheduling

Register to learn (Key Learnings' in bullet points):

- Basics of production planning
- Functions of production planning & control
- Responsibilities of production planning
- Evolution of Production planning & Control
- Techniques of Production planning & Control

Thanks and regards

S.P.Singh

Regional Director

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