# PRODUCTION PLANNING AND CONTROL

For efficient and effective operation in a manufacturing unit of an organization, it is essential to integrate the production planning and control system. Production planning and control deals with basic concepts of what to produce, when to produce, how much to produce, etc. This addresses the fundamental problem of low productivity, high inventory cost and poor resource utilization.

Disciplined planning and control ensure that production teams achieve targets, and optimum resource utilization, quality management and cost savings.

**Learning Objectives**

At the end of this course, participants will

Supervise and control an effective and efficient manufacturing system

Forecast needs, estimate customer demand, and fulfil orders

Construct and manage an effective Master Production Schedule

Improve understanding of Materials Requirement Planning (MRP)

Apply the Capacity Planning and Management techniques for determining the capacity requirements

Develop and use an effective Production Activity Control system

Integrate inventory and physical distribution information with the Manufacturing Planning and Control system

**Learning Contents**

What is production planning in manufacturing?

Strategic vs functional roles of production planner

Objectives of supply chain management

production methods: mass production, batch production, mass customization
Material requirements planning (MRP): forecasting, planning and scheduling
Forecasting patterns in demand and supply chain management
Minimizing forecast variances
Maximize capacity utilization & subcontract management
Total productive maintenance to minimize downtime
Production planning KPIs & performance analysis
Production planning and control
Supply Base management
Inventory management

**For whom**
Production Planners, Managers and Production-related Supervisors in all supply chain functions.

| Physical | Virtual (local) | Virtual (International) |
|---|---|---|
| ₦ 250,000.00 | ₦ 209,900.00 | $ 165.00 |

Discounts off regular fees for open programmes: 3-5 nominations – 5%

Programme also available as in-plant **Fee:** Negotiable

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March 111 – 13,

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