

14 Hours **ZOOM & PHYSICAL** Program

PRODUCTION PLANNER IN ACTION

(Mastering Production Planning, Scheduling & Manufacturing Coordination)



HYBRID TRAINING

16 & 17 Nov 2026 (Mon & Tue)



Remote Online Training (Zoom) &



Dorsett Grand Subang Hotel,
Selangor (Physical)

**** Choose either Zoom OR Physical Session**



LEARNING OUTCOMES

Upon completion of this course, participants will be able to:

- Explain the roles and responsibilities of a Production Planner.
- Develop effective production plans based on customer demand and available resources.
- Interpret production schedules and capacity requirements.
- Coordinate materials, inventory, and production activities effectively.
- Identify common production planning constraints and operational risks.
- Monitor production performance using manufacturing KPIs.
- Understand digital production planning systems and Industry 4.0 concepts.
- Recommend best practices to improve production planning efficiency.

COURSE OBJECTIVES

By the end of this course, participants will be able to:

- Understand the complete production planning and control process.
- Learn how production planning supports manufacturing efficiency and customer satisfaction.
- Apply demand forecasting and production scheduling principles.
- Understand Material Requirements Planning (MRP) and inventory coordination.
- Balance production capacity with customer demand.
- Improve coordination between production, procurement, warehouse, and logistics.
- Monitor production performance using key manufacturing KPIs.
- Support continuous improvement in production planning and manufacturing operations.

**REGISTER 3 PAX,
FREE 1 SEAT**

**100% HRDC
CLAIMABLE**

Plan Efficiently • Schedule Accurately • Deliver Consistently!

CONTACT



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COURSE OVERVIEW

INTRODUCTION

Production planning is essential for manufacturing, coordinating materials, manpower, machinery, and capacity to meet customer demand. A skilled Production Planner balances schedules, inventory, procurement, and delivery while controlling costs. This 2-day program covers planning principles, forecasting, capacity management, and industry best practices through presentations and discussions.

Who Should Attend

- Production Planners
- Production Supervisors
- Operations Executives
- Plant Managers
- Procurement Officers
- Warehouse Supervisors
- Supply Chain Executives
- Anyone Involved In Production Planning And Manufacturing Operations
- Production Executives
- Manufacturing Engineers
- Production Managers
- Materials Planners
- Inventory Controllers
- Logistics Coordinators
- Industrial Engineers



COURSE CONTENT

Module 1: Fundamentals of Production Planning

- Introduction to production planning and manufacturing operations
- Roles and responsibilities of a Production Planner
- Production planning objectives and planning hierarchy
- Production planning versus production control
- Key challenges and success factors in production planning

Module 2: Demand Forecasting & Sales and Operations Planning (S&OP)

- Understanding customer demand and forecasting concepts
- Forecasting methods and demand planning techniques
- Sales and Operations Planning (S&OP) process
- Aligning production plans with business objectives
- Managing demand fluctuations and forecast accuracy

Module 3: Material Planning & Inventory Coordination

- Material Requirements Planning (MRP) fundamentals
- Bill of Materials (BOM) and production planning
- Inventory planning and safety stock management
- Procurement and warehouse coordination
- Managing lead times and material availability

Module 4: Capacity Planning & Production Scheduling

- Capacity planning principles and resource allocation
- Master Production Schedule (MPS)
- Production scheduling techniques
- Machine, labour, and equipment utilization
- Managing bottlenecks and production constraints

Module 5: Production Control & Shop Floor Coordination

- Production order management
- Shop floor coordination and workflow control
- Work-in-Process (WIP) monitoring
- Production reporting and schedule adherence
- Communication between production, warehouse, and procurement



COURSE CONTENT

Module 6: Managing Production Risks & Operational Challenges

- Identifying production planning risks
- Managing material shortages and supplier delays
- Handling machine downtime and labour constraints
- Production contingency planning
- Risk mitigation and operational resilience

Module 7: Production Performance Measurement & Continuous Improvement

- Key Performance Indicators (KPIs) for production planning
- Overall Equipment Effectiveness (OEE)
- Production efficiency and productivity measurement
- Lean manufacturing and waste reduction
- Continuous improvement and performance review

Module 8: Digital Production Planning & Future Manufacturing Trends

- Enterprise Resource Planning (ERP) and MRP systems
- Manufacturing Execution Systems (MES)
- Artificial Intelligence (AI) and predictive production planning
- Industry 4.0 and smart manufacturing technologies
- Future trends and digital transformation in production planning

