

The objectives of Production Planning and Control (PPC). Classification of production systems. Demand Management and Ordering. Aggregate Planning and Sales & Operations Planning (SOP). Master Production Schedule and Linking to the Budget (Budgeting). PPC in ERP systems. Bill of Materials and Routings. Engineering changes. Advanced topics of MRP method. Advanced topics of inventory management and purchasing. Hierarchical warehouse systems. Inventory control of slow movement materials (spare parts). Procurement management. Manufacturing planning within the supply chain. Work centers loading and capacity planning. Work orders scheduling/ Production orders sequencing. Production Control. Production Office Organization. Production data collection and evaluation. Technical management of the factory. Reverse supply chain. Production and Corporate Social Responsibility