

SYLLABUS :-

Production Planning & Control Systems : Classification, activities and matching of PPC system with the Firm.

Basic material and Information Flow. Material Requirements Planning and Lot Sizing. Just-In-Time Production.

Capacity planning: tools and techniques. Production Control principles and techniques. Short-range forecasting techniques.

Independent demand Inventory Management. EOQ Models and order timing decisions, Safety Stock and reorder level decisions. Order quantity and reorder point. Interactions with other functions and multi-item management.

Distribution Requirement Planning. Spare parts inventory control.

Books

- S.L. Narasimhan, D.W. Mc Leavy, and P.J. Billington, Production Planning and Inventory Control, PHI, 2nd Edition.
- R.Peterson, and E.A. Silver, Decision Systems for Inventory Management and Production Planing, John Wiley & Sons.
- C.C. Holt, F. Modigliani, J.F. Muth, and H.A. Simon, Planning Production, Inventories, and Workforce, Prentice Hall, NJ.
- G.W. Plossi, and O.W. Wright, Production and Inventory Control, Prentice Hall, NJ.
- Starr, K. K. and D. W. Miller, Inventory Control: Theory and Practice, Prentice Hall
- Silver, E. A., D. F. Pyke and R. Peterson, Inventory Management and Production Planning and Scheduling, John Wiley, 3rd ed., 1998.