

Integrated MBA 5 Yrs Syllabus from Admission Batch 2016-17 onwards

5 <sup>th</sup> Semester	16IMN503	Operations Management-I	L-T-P 4-0-0	4 Credits	35 hrs
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**Module-1 :Nature & Scope of Production & Operations Management :**

Nature of Production, Production as a system, Production as an organization function, Decision making in production, Importance of production function, Scope of Production & Operations management, Evolution of production function, Characteristics of Modern Production & Operations function, Productive system – examples, products vs. services.

**Module-II:Forecasting for Operations:** Nature and use of forecast, Sources of Data, Forecasting model – Quantitative or Time series Methods (simple Moving Average, weighted Moving Average, Exponential Smoothing Models, Forecast errors) Qualitative or judgmental methods (Delphi method, Market survey, Historical Analogy), Accuracy of forecasting Methods.

**Module-III: Product Design and Analysis:**


Concept, Product development –concept and steps; Product Life Cycle, Process design, Interrelationship of product design & process design, Process technology, Process technology life cycle, Economic analysis of production processes (cost function of processing alternatives, operating leverage, break even analysis, financial analysis).

**Module-IV: Inventory Management:** Meaning & definition, Objectives of inventories, Inventory Management & control, Factors influencing

inventory management & control, Benefits, Process of Inventory mgmt. & control, Inventory control techniques – ABC, HML, VED, SDE, FSN, EOQ, MRP & JIT, Kanban, Japanese Inventory system.

**Books:**

- Production & Operations Management : K Aswthappa & K S Bhatt(HP)
- Production & Operations Mgmt.: R. Paneerselvam(PHI)
- Production & Operations Management : S.N.Chary.
- Modern Production & Operations Management : Buffa and Sarin
- Essence of Operations Management : Terry Hills ( PHI )

  
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