

COURSE SYLLABUS

Semester: III

3.3 Major

Course Title	Production Planning and Management
Course Credits	2
Course Outcomes	After going through the course, learners will be able to • Develop a foundational understanding of production planning and management. • Equip students with practical skills for managing production processes in businesses. • Introduce tools and techniques for efficient resource utilization. • Connect theoretical concepts with real-world applications in the commerce field.
Module 1 (Credit 1)	Introduction to Production Planning
Learning Outcomes	After learning the module, learners will be able to • Understand the concept and importance of production planning. • Differentiate between various types of production systems.
Content Outline	1.1 Definition, objectives, and significance. 1.2 Scope of production planning in commerce 1.3 Types of Production Systems- Job production, batch production, and mass production. 1.4 Choosing the appropriate production system for a business 1.5 Capacity Planning - Concept and importance of capacity utilization. 1.6 Tools for capacity planning - Resource Allocation and Scheduling 1.7 Key factors in resource allocation. 1.8 Basic concepts of production scheduling and prioritization
Module 2 (Credit 1)	Production Management
Learning Outcomes	After learning the module, learners will be able to • Familiarize with essential tools for managing production processes • Improve efficiency and reduce waste in production.
Content Outline	2.1 Role of a production manager. 2.2 Key functions in production management 2.3 Lean Production and Waste Reduction- Principles of lean manufacturing. 2.4 Identifying and minimizing waste 2.5 Inventory Management -Types of inventories and their importance. Practical Problems on Inventory management 2.6 Inventory control methods (e.g., ABC analysis, EOQ model). 2.7 Quality Management -Importance of quality in production. 2.8 Basic concepts of quality control (e.g., Total Quality Management, Six Sigma).

Activities towards Comprehensive Continuous Evaluation (CCE)

Internal – NIL

External – 50 Marks

References:

- “Production and Operations” 2016. Management, K. Aswathappa & K. Shridhara Bhat, Himalaya Publishing House
- “Operations Management” 2018, R. Panneerselvam, Publisher: PHI Learning
- “Industrial Engineering and Production Management”, 2016, Martand Telsang, Publisher: S. Chand Publishing
- “Production and Operations Management” 2018, S.N. Chary, Publisher: Tata McGraw Hill
- “Essentials of Operations Management” 2014, Rajesh K. Jain, Publisher: VK Global Publications
- “Production and Operations Management” 2020, Upendra Kachru, Publisher: Excel Books
- “Operations Research: Principles and Practice” 2019, A. Ravindran, Don T. Phillips, and James J. Solberg (adapted by Indian editors), Wiley India
- “Principles of Management: Production and Operations” 2018, Dinkar Pagare, Publisher: Sultan Chand & Sons
- “Operations Management” Author: P. Rama Murthy, 2017, New Age International Publishers
- “Production Planning and Control” 2016 Prof. L.C. Jhamb, Publisher: Everest Publish