

M. Com. Course (2019 Pattern) Semester: I
Group – F (Business Administration)
Subject - Production & Operation Management

Course Code - 113-I

Objectives of the course

- To understand and develop deep insight of Production & Operation Management.
- To understand & identify business problems involving operational function, planning and control, design development and quality management.
- Demonstrate awareness and importance of application, operation and supply chain management.
- To develop skills necessary to effectively analyze and synthesize the many inter relationship inherent in complex socio-economic productive systems.
- To increase the knowledge and perspective to gain from emerging trends in production and operation management.

Depth of the program – Fundamental Knowledge

Unit No.	Unit Title	Contents	Purpose Skills to be developed
1	Production and Operation Management : An Overview	a. <u>Production and Operation Management</u> : Meaning ,importance , Functions , Types of Production Systems – Mass Production /Flow Line , Continuous, Intermittent , Batch Production , Job Lots etc. b. Service Systems – Recent trends in production and service systems c. Plant Layout – Objectives , basic principles and types d. Safety Considerations and environmental aspects	<ul style="list-style-type: none"> • Acquaint the students knowledge about Production and Operation Management. • Recognize the inherent conflict of interest in many business decisions relating to safety consideration and environmental aspects.

2	Supply Chain Management	<p>a. Supply chain Management : Introduction , Scope, Components, Process of Supply Chain Management.</p> <p>b. Tools and Techniques of Supply Chain Management , Performance Measurement and implementation.</p> <p>c. Career opportunities in Supply Chain Management</p>	<ul style="list-style-type: none"> • Understanding the scope and Process of Supply Chain Management • Knowledge on various career opportunities in
3	Production Planning and Control	<p>a. Production Planning : Meaning , Objectives , Importance and its components</p> <p>b. Production Control : Meaning , Objectives, Significance and factors affecting Production Control.</p> <p>c. Product Design and Development – Concept , Process and factors affecting product development</p>	<ul style="list-style-type: none"> • Acquaint the students with knowledge of Production Planning and Control. • Motivate the students to develop and innovate ideas for Product Design and Development
4	Total Quality Management and Emerging Issues	<p>a. Total Quality Management – Meaning , Dimensions , Objectives and importance</p> <p>b. Emerging Issues in Production and Operations Management –</p> <ol style="list-style-type: none"> i. Mobile Accessibility ii. Atomization of Operational Processes iii. Employee empowerment iv. Outsourcing v. Waste Management 	<ul style="list-style-type: none"> • Recognize the importance of Total Quality Management • Identification of emerging issues in Production and operation Management
