

KLE Society's
Lingaraj College, Belagavi
(Autonomous)

Department of BBA

B.B.A. : IV Semester

Production and Operations Management
(w.e.f. 2017-18 and onwards)

Teaching hours per week – 04 :	Maximum Marks	:	100 Marks
	Semester End Examination	:	70 Marks
	Internal Assessment	:	30 Marks

Course Outcome:

At the end of this course students will be able to:

1. To understand the basic concepts and theories of production management.
2. To comprehend the operations management situations with greater confidence.
3. TM | Anticipate issues in production and operations processes they may face during their careers.
4. TM | Expand individual knowledge of operations management principles and practices.
5. To apply operations management concepts and their influence on business decisions.

Syllabus

UNITS	Syllabus	HOURS
Unit I	Production and Operations Management Introduction - scope and features of Production and Operations Management - Historical Evolution of POM & Recent Trends in POM. - Production/Operations Management - Type of Production System - Productivity	07
Unit II	Plant Location and Plant Layout Plant Location – Meaning, Factors Affecting and Problems Plant Layout – Meaning, Types, Tools and Techniques (Line Balancing And Load Distance methods)	11
Unit III	Aggregate Planning and Master Production Scheduling Introduction, Objectives & Importance of Aggregate Planning, Steps in Aggregate Planning, Capacity Decisions. Nature of Aggregate Planning Decisions, Strategies, Methods Master Production Plan/Schedule Rough-cut Capacity Planning	04
Unit IV	Production Planning and Control Meaning and Functions of PPC - Production Consumption Cycle	06

	Capacity Planning - Sequencing	
Unit V	Materials Management and Inventory Control Objectives and Functions Meaning, Techniques and EOQ	08
Unit VI	Project Management Introduction and Phases - Guidelines and Rules for Network construction - CPM – Critical method - Gantt Chart/Time Chart PERT – Project Evaluation and Review Techniques	07
Unit VII	Work Study Work Study – Introduction Method Study – Meaning and Steps Principles of Motion Economy – Ergonomics Time Study	03
Unit VIII	Quality Control Quality and Need for Quality Control Quality Control Techniques - Process Capability Control Charts – x, R, p, np and C Charts	08

TEXT BOOKS:

1. Production and Operations Management – Ashwathapa.
2. Production and operations Management by S. Anil kumar and N. Suresh.

REFERENCE BOOKS:

1. “Production and Operations Management” by Pannerselvam R.