

Name of Faculty	:	Faculty of Commerce and Management
Name of Program	:	Master of Business Administration (MBA)
Course Code	:	2MBA06
Course Title	:	Productions & Operations Management
Type of Course	:	Professional Core
Year of Introduction	:	2023-24

Prerequisite	:	Candidates must complete the bachelor's in any stream. This course is also offered to students who have completed their bachelor's degree in Operations Management
Course Objective	:	The course aims at developing knowledge about various steps of product, design, development, plant location, storage, production planning and control.
Course Outcomes	:	At the end of this course, students will be able to:
	CO1	Understand ever growing importance of Production and Operations management in uncertain business environment
	CO2	Gain an in-depth understanding of resource utilization of an organization
	CO3	Appreciate the unique challenges faced by firms in services and manufacturing.
	CO4	Develop skills to operate competitively in the current business scenario

Teaching and Examination Scheme

Teaching Scheme (Contact Hours)			Credits	Examination Marks				Total Marks
L	T	P		Theory Marks		Practical Marks		
SEE	CIA	SEE	CIA					
4	0	0	4	70	30	00	00	100

Legends: L-Lecture; T-Tutorial/Teacher Guided Theory Practice; P- Practical, C – Credit, SEE – Semester End Examination, CIA – Continuous Internal Assessment (It consists of Assignments/Seminars/Presentations/MCQ Tests, etc.)

Course Content

Module No.	Topics	Teaching Hours	Weightage	Mapping with COs
1	Operations management: Concept, Functions. Product Design and development - Product design and its characteristics: Product development process (Technical): Product development techniques. Process selection- Project, job, Batch, Mass and Process types of Production Systems.	12	20%	CO1
2	Facility Location: Importance, Factors in Location Analysis: Location Analysis Techniques. Facility Layout - Objectives: Advantages: Basic types of layouts. Capacity Planning - Concepts: Factors Affecting Capacity Planning, Capacity Planning Decisions. Production Planning & Control (PPC) -Concepts, Objectives, Functions.	15	25%	CO2
3	Introduction to modern productivity techniques: Just in time, Kanban system. Total Quality Management & six sigma. Functions of Purchasing Management - Objectives, Functions: Methods: Procedure. Value analysis - Concepts. Stock control systems. Virtual factory concept	18	30%	CO3
4	Inventory Management: Concepts, Classification: Objectives: Factors Affecting Inventory Control Policy: Inventory costs: Basic EOQ Model: Re-order Level: ABC Analysis. Quality Management - Quality Concepts, Difference between Inspections, Quality Control, Quality Assurances, Total Quality Management: Control Charts: acceptance sampling.	15	25%	CO4
5	Identify materials and inventory management practices in organized and unorganized sectors. Identify operations scheduling in any system and suggest more efficient ways of doing work. Identify the production planning and control systems, procedures and techniques. For service organizations, they can learn about how services are produced and how existing capacity is matched with demand. Simulate a production capability / facility with the optimum use and application of concepts.	-	-	-

Suggested Distribution of Theory Marks Using Bloom's Taxonomy						
Level	Remembrance	Understanding	Application	Analyse	Evaluate	Create
Weightage	33	33	-	34	-	-

NOTE: This specification table shall be treated as a general guideline for the students and the teachers. The actual distribution of marks in the question paper may vary slightly from above table.

Reference Books

Sr. No.	Name of Reference Books
1	Production and Operations Management by Everette E. Adam, Jr. Ronald J. Ebert; Publisher: Prentice Hall of India
2	Production and Operations Management by N.G. Nair; Publisher: Tata Mc. Graw Hill
3	Production and Operations Management by Panneerselvam R; Publisher: Prentice Hall of India
4	Operations Management by Shafer Scott M; Publisher: John Wiley

List of Journals / Periodicals / Magazines / Newspapers / Web resources, etc

Sr. No.	Name of Journals / Periodicals / Magazines / Newspapers / Web resources, etc
1	Panneerselvam, –Production and Operations Management PHI.
2	Ajay K Garg, Production and Operations Management, TMH
3	Prof. L.C. Jhamb: Production Operations Management, 18th edition, Everest Publishing House.
4	Dipak Kumar Bhattacharyya, Production and Operations Management, Universities Press