



SYMBIOSIS INTERNATIONAL (DEEMED UNIVERSITY)

(Established under section 3 of the UGC Act 1956)

Re - accredited by NAAC with 'A' Grade

Founder: Prof. Dr. S. B. Mujumdar, MSc., Ph.D. (Awarded Padma Bhushan and Padma Shri by President of India)

Course Name : Production/Operations management

Course Code : T2529

Faculty : Management

Course Credit : 4

Course Level : 4

Sub-Committee (Specialization) : Operations

Learning Objectives :

At the end of the course the students are expected to:

Understand and discuss the concepts of Production Management through its various operational aspects.

Understand the various aspects that affect operational efficiency

Discuss and analyse the various important planning, organizing and controlling aspects of Operations Management.

Be confident to visit organisations and understand their production processes.

Books Recommended :

Book	Author	Publisher
Essential Readings	Aswathappa & Bhat	
Essential Readings	Chunawalla & Patel	
Essential Readings	Bhat, Shridhara	

Course Outline :

Sr. No.	Topic	Actual Teaching Hours	Contact Hours Equivalence
1	Unit I. Introduction to Operations Management Concepts Functions	2	0
2	Unit II. Products and Processes Product design and development Product design and its characteristics Product development process (technical) Product development techniques Process Selection Project, Job, Batch, Mass & Process types of Production Systems Product - Process Mix	8	0
3	Unit III. Facilities Facility location Importance; Factors in Location Analysis; Location Analysis Techniques Facility layout Objectives; Advantages; Basic Types of Layouts	6	0
4	Unit IV. Capacity Planning Concepts Factors Affecting Capacity Planning Decisions	4	0
5	Unit V. Production Planning & Control (PPC) Concepts	4	0

	Objectives Functions		
6	Unit VI. Work Study Productivity Method Study Work Measurement	4	0
7	Unit VII. Materials, Purchasing and Stores Management Objectives Functions Methods Procedure	8	0
8	Unit VIII. Value Analysis Concepts	2	0
9	Unit IX. Inventory Management Concepts Classification Objectives Factors Affecting Inventory Control Policy Inventory Costs Basic EOQ Model Re-order Level ABC Analysis	6	0
10	Unit X. Maintenance Management Concepts Objectives Functions Types of Maintenance	4	0
11	Unit XI. Quality Management Quality Concepts Difference Between Inspection, Quality Control, Quality Assurances, Total Quality Management Control Charts Acceptance Sampling	8	0
Total		56	0

Pre Requisites :

NA

Evaluation :

Term Paper
Research assignment
case studies
Practical assignments
Presentations
MCQ
Short Answer

Pedagogy :

Lectures and Guest lectures
Readings followed by discussions
Viewing of films
Presentations
Case studies