

BHAGWAN MAHAVIR UNIVERSITY, SURAT

S.Y B.M.S (Bachelor of Management Studies)

1060205306- PRODUCTION AND TOTAL QUALITY MANAGEMENT

Second Year BMS

Semester – III

Subject Name	Production and Total Quality Management
Subject Code	1060205306
Objectives	<ul style="list-style-type: none"> • To expose students with the basics of Operations Management. • To understand basic management of manufacturing processes.
Subject Outcome	<ul style="list-style-type: none"> • Students know the Production concepts and Operations. • Students understand the production methods and importance of production planning. • Identify the key aspects of the quality improvement cycle and to select and use appropriate tools and techniques for controlling, improving and measuring quality. • Evaluate the principles of quality management and to explain how these principles can be applied within quality management systems.
Course Duration	The course duration is of 40 sessions of 60 minutes each.
Teaching Methods	<p>The course will use the following pedagogical tools:</p> <p>(a) Lectures and Discussions</p> <p>(b) Assignment/Activities/Quiz/Class participation</p>
Evaluation	Continuous Evaluation
	<p>Internal Assessment (30 Marks) Internal Exam/Assignments/Quiz/Class participation/Attendance, etc.</p> <p>External Assessment (70 Marks)</p>

Course Content

Unit-1	PRODUCTION MANAGEMENT	20%
	<p>1.1 Meaning & Definition of production management</p> <p>1.2 Historical evolution of production and operation management</p> <p>1.3 Concept of production & Objectives of production management</p> <p>1.4 Components/ functions of production management, Product development</p> <p>1.5 Plant location & Plant layout</p> <p>1.6 Purchase management</p>	

Unit-2	MATERIAL MANAGEMENT	30%
	2.1 Material Management, Objectives of Material Management and Importance of Material Management. 2.2 Material Handling 2.3 Inventory Management and Inventory Control Techniques- ABC, VED, FSN, GOLF, XYZ, SOS & HML. 2.4 EOQ- Assumptions, Limitations and Advantages of Economic Order Quantity, Simple Numerical on EOQ, Lead Time, Recorder Level and Safety Stock.	
Unit-3	BASICS OF PRODUCTIVITY AND TQM	25%
	3.1 Introduction & Concept of Productivity 3.2 Modes of Calculating Productivity 3.3 Quality Management & Factors Affecting Quality 3.4 Total Quality Management 3.5 Cost Of Quality, Philosophies and Approaches to Quality 3.6 Kaizen 3.7 Product And Service Quality Dimensions, Characteristics of Quality & Quality Assurance and Quality Circle Ishikava Fishbone	
Unit-4	QUALITY IMPROVEMENT STRATEGIES AND CERTIFICATIONS	25%
	4.1 Introduction & Lean Thinking 4.2 Kepner-Tregoe Methodology Of Problems Solving 4.3 Six Sigma & Tagucghi Method Of Quality Control 4.4 Iso 9000, Iso 14000, Qs 9000 4.5 Malcolm Balrige National Quality Award[MBNQA] 4.6 Damning's Application Prize	

Text Book:

1. Production and Total Quality Management- by Dr. Rinkesh Chheda, Mrs. Falguni Mathews- Himalaya Publishing House.

Reference Books:

1. Operations management – By Everett Adams, PHI
2. Operations Management – By Martinich, PHI
3. Operations Management – By William Stevenson, McGrawHill
4. Operations Management- By Joseph Monks , McGrawHill
5. Production and Operations Management by K.Ashwatthappa