

## LESSON PLAN

<b>Name of the Course</b>	Operations Management		<b>Lecture</b>	3
<b>Type of the Course</b>	Core		<b>Theory</b>	1
<b>Course Code</b>	PMF2L		<b>Practical</b>	0
<b>Semester</b>	II		<b>Seminar</b>	1
<b>Maximum Hours</b>	60		<b>Credits</b>	4

<b>Unit No.</b>	<b>Topics</b>	<b>Teaching type</b>	<b>Level</b>	<b>Method</b>	<b>No of hours</b>
<b>Unit I</b>	Nature and Scope of OM	Understanding	L2	Lecture	1
	Historical Development & Functions of	Understanding	L2	Lecture	2
	Long term Vs Short term issues	Understanding	L2	Lecture	2
	A Systems Perspective- Challenges- Manufacturing Trends in India	Understanding	L2	Lecture	1
	Production Design and Process	Understanding	L2	Lecture	1
	Types of Production Processes	Understanding	L2	Lecture	1
	Plant Capacity-Capacity Planning	Understanding	L2	Lecture	1
	Make or Buy Decisions	Reflective	L3	Analytic	1
	Use of Crossover Chart for Selection	Understanding	L2	Lecture	1
	Types of Charts used in Operations Management	Understanding	L2	Lecture	1
<b>Unit II</b>	Factors to be considered in Plant	Understanding	L2	Lecture	1
	Location Analysis Techniques	Reflective	L3	Analytic	2
	Choice of General Region, Particular	Understanding	L2	Lecture	1
	Multiple Plant Location Decision- Plant	Understanding	L2	Lecture	1
	Principles of a Good Layout- Layout Factors	Understanding	L2	Lecture	2
	Basic Types of Layout	Understanding	L2	Lecture	2

	Principles of Materials Handling	Understanding	L2	Lecture	1
	Materials Handling Equipments	Understanding	L2	Lecture	1
	Role of Ergonomics in Job Design.	Understanding	L2	Lecture	1
<b>Unit III</b>	Basic Inventory Models- Economic Order Quantity- Economic Batch	Reflective	L3	Analytic	2
	Reorder Point-Safety Stock	Reflective	L3	Analytic	1
	Inventory Costs	Understanding	L2	Lecture	1
	Classification and Codification of Stock	Understanding	L2	Lecture	1
	ABC Classification	Reflective	L3	Analytic	1
	Materials Requirement Planning (MRP)	Understanding	L2	Lecture	1
	JIT - Implications of Supply Chain	Understanding	L2	Lecture	1
	Preventive Vs Breakdown Maintenance	Understanding	L2	Lecture	1
	Group Replacement Vs Individual	Reflective	L3	Analytic	1
	Breakdown Time Distribution	Understanding	L2	Lecture	1
	Maintenance of Cost Balance- Procedure for Maintenance.	Understanding	L2	Lecture	1
<b>Unit IV</b>	Work Study- Objectives- Procedure	Understanding	L2	Lecture	1
	Method Study and Motion Study	Understanding	L2	Lecture	1
	Work Measurement-Time Study	Understanding	L2	Lecture	1
	Performance Rating- Allowance	Reflective	L3	Analytic	1
	Work Sampling Techniques	Understanding	L2	Lecture	1
	Job Sequencing and Scheduling	Reflective	L3	Analytic	2
	Purpose of Inspection and Quality Control - Different Types of Inspection	Understanding	L2	Lecture	1
	Acceptance Sampling	Understanding	L2	Lecture	1
	The Operating Characteristic Curve	Understanding	L2	Lecture	1
	Control Charts for Variables and	Reflective	L3	Analytic	2

<b>Unit V</b>	Introduction to Services Management	Understanding	L2	Lecture	<b>1</b>
	Nature of Services	Understanding	L2	Lecture	<b>1</b>
	Types of Services	Understanding	L2	Lecture	<b>2</b>
	Service Encounter-Designing Service Organizations	Understanding	L2	Lecture	<b>2</b>
	Service Facility Location and Layout	Understanding	L2	Lecture	<b>2</b>
	Service Blueprinting	Understanding	L2	Lecture	<b>2</b>
	Waiting Line Analysis for Service Improvement	Reflective	L3	Analytic	<b>2</b>

Note:

<b>Teaching Type</b>	<b>Level</b>	<b>Method</b>
Memory level	L1	Drill, Review and Revision and Asking the question
Understanding level	L2	Lecture method, lecture demonstration method, discussion method, inductive and deductive, exemplification and explanation methods
Reflection level	L3	Problem solving method, investigating projects, Heuristic method, Experimental method, Inquiry oriented method, analytic method