

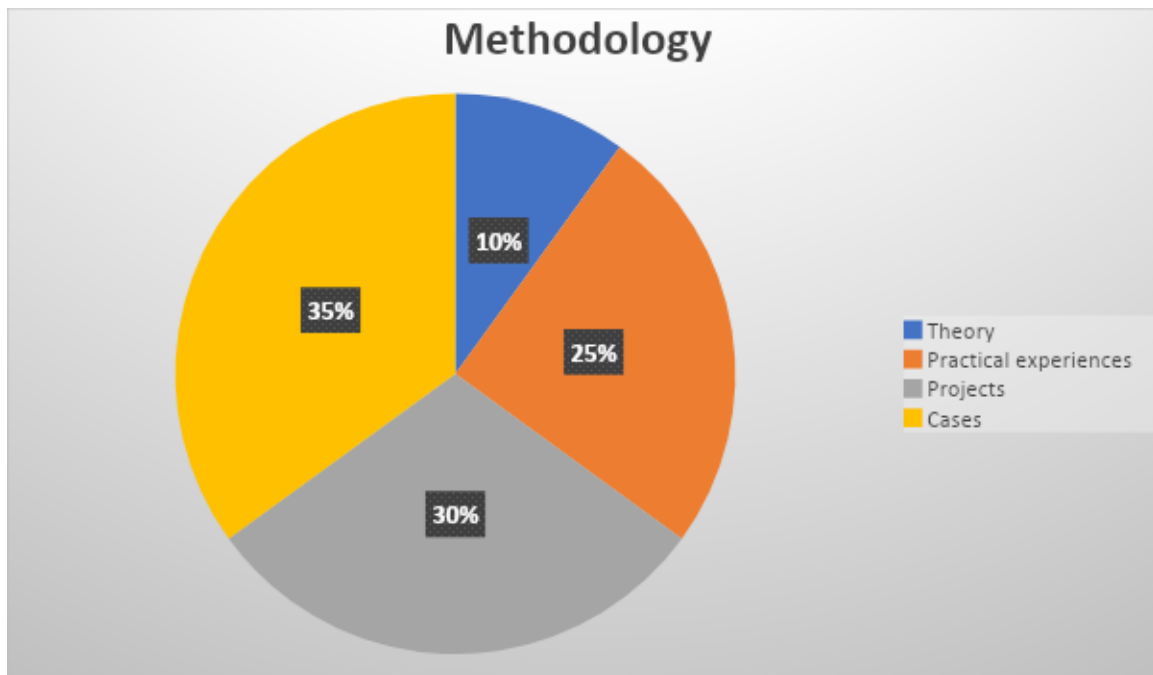
# COURSE CURRICULUM FOR OPERATIONS

THIS MODULE HAS TOTAL 80 SESSIONS. THE MODULE WILL COVER 50 HOURS OF THE INTERACTIVE SESSIONS AND REST 30 HOURS OF THE LIVE PROJECTS AND PRACTICAL SESSIONS.

## OBJECTIVE OF THE MODULE

- Understand the fundamental, practical science of Operations Management.
- Explore the interface between operations and other business functions.
- Examine how these principles operations management can be employed in both tactical and strategic decision making in firms.
- Develop ability to analyze and address problem related to the design, planning, control, and improvements of manufacturing and service operations.
- To provide a set of foundational skills useful for more advanced courses in Operations.

## METHODOLOGY



This module is based on the case studies, live projects and sessions and the practical experiences.

## MODULE-1

### INTRODUCTION TO OPERATION MANAGEMENT

TOTAL SESSIONS:-02

- STRATEGIC OM DECISION
- QUALITY MANAGEMENT

### SOFT SKILLS :-

1. SELF AWARENESS,

2. IDENTIFYING STRENGTH AND WEAKNESS,
3. DEVELOPING CONFIDENCE
4. SELF DISCIPLINE
5. TELEPHONE ETIQUETTE
6. WRITING LETTERS AND
7. E-MAILS
8. PERSONAL MISSION STATEMENT
9. DRAFTING YOUR PERSONAL MISSION STATEMENT

## **MODULE-2**

### **INTRODUCTION TO BUDGETING**

**TOTAL SESSIONS:- 04**

- PREPARATION OF BUDGETS
- USE OF COST ACCOUNTING IN THE PRESENT ERA
- CAPACITY PLANNING
- BREAKEVEN AND VALUATION

### **SOFT SKILLS:-**

1. UNDERSTANDING PERCEPTIONS,
2. GOAL SETTING
3. DEVELOPING POSITIVE ATTITUDE,
4. KNOWING YOUR PERSONALITY TYPES,
5. IN GROUP DISCUSSION,
6. IN INTERVIEW

## **MODULE-3**

### **INTRODUCTION TO STATISTICAL ANALYSIS**

**TOTAL SESSIONS:-03**

- QUANTITATIVE ANALYSIS
- STANDARD DEVIATION
- GANTT CHARTS

→ **FIRST PLACEMENT DRIVE BY THE COMPANIES**

## **MODULE-4**

### **INTRODUCTION TO TOOLS**

**TOTAL SESSIONS:- 05**

- SIX SIGMA AND ITS IMPLIMENTATIONS
- SQC (STATISTICAL QUALITY CONTROL)
- SPC (STATISTICAL PROCESS CONTROL)

### **SOFT SKILLS:-**

1. MOTIVATION,
2. PERSONAL SWOT
3. EFFECTIVE COMMUNICATION,
4. BARRIERS OF COMMUNICATION,
5. STRATEGIC COMMUNICATION,
6. BODY LANGUAGE

## **MODULE-5**

### **INTRODUCTION TO PROCESS MANAGEMENT**

**TOTAL SESSIONS:-03**

- PRODUCT-PROCESS MATRIX
- PROCESS SIMULATION
- QUEUING THEORY

### **SOFT SKILLS :-**

1. LISTENING
2. PRESENTATION SKILLS
3. NOTE MAKING
4. ASKING AND ANSWERING QUESTIONS

## **MODULE-6**

### **INTRODUCTION TO PLANNING AND SCHEDULING**

**TOTAL SESSIONS:-06**

- AGGREGATE PLANNING
- CRP,MRP AND ERP
- SCHEDULING AND TOC

### **PLACEMENT DRIVE**

→ **FINAL PLACEMENT BY THE COMPANIES**

### **JOB TITLES RELATED TO OPERATIONS WHICH WILL BE HELPFUL TO THE LEARNERS :-**

- OPERATIONS COORDINATOR
- OPERATIONS ANALYST
- OPERATIONS SUPERVISOR
- OPERATIONS MANAGER
- PROJECT MANAGER
- PROGRAM MANAGER
- OPERATIONS ENGINEER

- **DIRECTOR OF OPERATIONS**
- **CHIEF OPERATING OFFICER**
- **VICE PRESIDENT OF OPERATIONS**

**MENTORS:-**

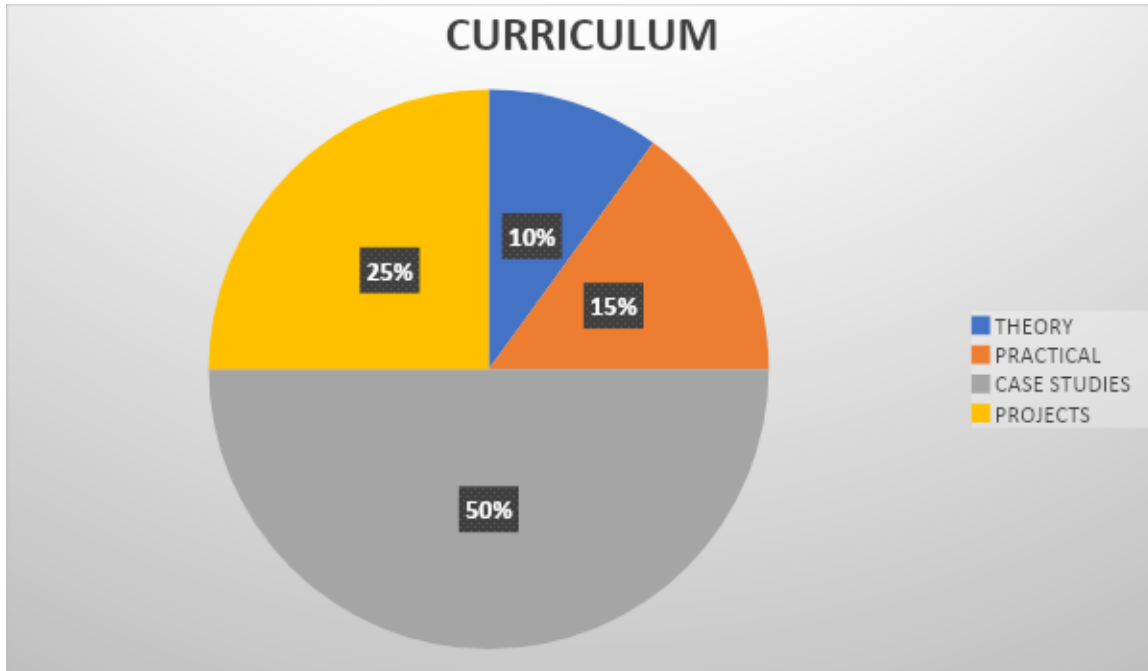
1. RADHE SHYAM ADIDAM
2. PALLAVI OMPRAKASH SAHA
3. ADARSH KEDHARI
4. ATUL PANDEY
5. NAVRATAN BOHRA
6. PRIYANKA MADNANI
7. SANT VYAS

## **CURRICULUM FOR SUPPLY CHAIN**

**THIS MODULE HAS TOTAL 85 SESSIONS. THE MODULE WILL COVER 50 HOURS OF THE INTERACTIVE SESSIONS AND REST 35 HOURS OF THE LIVE PROJECTS AND PRACTICAL SESSIONS.**

### **OBJECTIVES OF THE MODULE**

- To understand the fundamental knowledge of management within broad framework of Supply Chain and Logistics management.
- To apply the knowledge of accounting, finance, marketing, HRM and Operations management in effective performance of Supply Chain and Logistics Management.
- To apply quantitative techniques for optimizing the decisions on Supply Chain and Logistics Management.
- Understand the operational processes at national and international levels in Supply Chain and Logistics Management.
- To plan and organize strategies for effective Supply Chain and Logistics management.
- Able to identify the basic drivers of businesses which are impacting supply chain of the organization.
- Suggesting improvements in the production and manufacturing system on the basis of Supply Chain and Logistics.
- Apply the Information technologies and latest innovations in to improve the operational performance of business.
- Communicate effectively with stakeholders with skills for report writing and manual preparations.



This module is based on the case studies, live projects and sessions and the practical experiences.

### **MODULE-1**

#### **INTRODUCTION TO SUPPLY CHAIN MANAGEMENT 05**

**SESSIONS:-**

- VALUE CHAIN PROCESS
- DRIVERS OF SUPPLY CHAIN
- BARRIERS IN SUPPLY CHAIN
- STRATEGIC PRACTICES OF SUPPLY CHAIN

#### **SOFT SKILLS :-**

1. **SELF AWARENESS,**
2. **IDENTIFYING STRENGTH AND WEAKNESS,**
3. **DEVELOPING CONFIDENCE,**
4. **SELF DISCIPLINE,**
5. **TELEPHONE ETIQUETTE,**
6. **WRITING LETTERS AND**
7. **E-MAILS**
8. **PERSONAL MISSION STATEMENT**
9. **DRAFTING YOUR PERSONAL MISSION STATEMENT**

## **MODULE-2**

### **INTRODUCTION TO LOGISTICS**

**SESSIONS:-07**

- FUNCTIONS OF LOGISTICS MANAGEMENT
- DISTRIBUTION CHANNEL
- CONTAINERIZATION
- CROSS DOCKING
- COMMON MODES OF TRANSPORTATION
- PROBLEMS FACED IN THE PRESENT DUE TO MODE OF TRANSPORTATION

### **SOFT SKILLS:-**

1. **UNDERSTANDING PERCEPTIONS,**
2. **GOAL SETTING**
3. **DEVELOPING POSITIVE ATTITUDE,**
4. **KNOWING YOUR PERSONALITY TYPES,**
5. **IN GROUP DISCUSSION,**
6. **IN INTERVIEW**

## **MODULE-3**

### **INTRODUCTION TO SUPPLY CHAIN PERFORMANCE**

**SESSIONS:- 04**

- BULLWHIP EFFECT
- PERFORMANCE MEASUREMENT
- SCOR MODEL
- DEMAND CHAIN MANAGEMENT
- GLOBAL SUPPLY CHAIN

**→ FIRST PLACEMENT DRIVE BY THE COMPANIES**

## **MODULE-4**

### **INTRODUCTION TO WAREHOUSING AND OUTSOURCING**

**SESSIONS:-06**

- WAREHOUSE:- TYPES AND STRATEGIES
- REVERSE LOGISTICS
- STRATEGIC DECISION TO OUTSOURCING
- THIRD PARTY LOGISTICS
- FOURTH PARTY LOGISTICS
- GLOBAL SUPPLY CHAIN

## **SOFT SKILLS:-**

1. **MOTIVATION,**
2. **PERSONAL SWOT**
3. **EFFECTIVE COMMUNICATION,**
4. **BARRIERS OF COMMUNICATION,**
5. **STRATEGIC COMMUNICATION,**
6. **BODY LANGUAGE**

## **MODULE-5**

### **INTRODUCTION TO GREEN SUPPLY MANAGEMENT AND SUPPLY CHAIN SUSTAINABILITY**

**SESSIONS:- 04**

- FUNCTIONAL COMPONENT
- GREEN SUPPLY MANAGEMENT
- SUPPLY CHAIN SUSTAINABILITY
- IT INFRASTRUCTURE USED FOR SUPPLY CHAIN

## **SOFT SKILLS :-**

1. **LISTENING,**
2. **PRESENTATION SKILLS,**
3. **NOTE MAKING,**
4. **ASKING AND ANSWERING QUESTIONS**

## **PLACEMENT DRIVE**

**→ FINAL PLACEMENT BY THE COMPANIES**

## **JOBS RELATED TO SUPPLY CHAIN**

- Inventory Clerk
- Production Clerk
- Supply Chain & Logistics (SCL) Coordinator
- Supply Chain & Logistics (SCL) Customer Service Rep
- Import/Export Specialist
- Logistics Analyst
- Supply Chain and Logistics (SCL) Sourcing Specialist
- Supply Chain and Logistics (SCL) Transportation Specialist
- Purchasing Agent or Buyer
- Distribution Manager
- Operations Manager
- Supply Chain Manager

## **TOP COMPANIES OFFERING JOBS IN SUPPLY CHAIN**

- Cisco Systems
- Colgate-Palmolive
- Johnson & Johnson
- Schneider Electric
- Nestlé
- Intel
- PepsiCo
- L'Oréal
- Walmart
- Alibaba
  
- AbbVie
- Nike
- Inditex
  
- Dell Technologies
  
- HP Inc.
  
- Lenovo
  
- Diageo
  
- Coca-Cola Company
  
- British American Tobacco
  
- BMW
  
- Pfizer
  
- Starbucks
  
- General Mills
  
- Bristol Myers Squibb
  
- 3M

## **MENTORS:-**

1. Abhishek kumar
2. Adarsh kedari



3. Arun gupta
4. Atul pandey
5. Chandan mani tiwari
6. Hemanth kumar mathad
7. Milan dhingra
8. Mohak khandelwal
9. Muthukumar vaidyanathan
10. N subrahmanyam (goa institute and srm university)
11. Neeraj athalye
12. Prashant kumar
13. Vijay kumar shah
14. Nupur aggarwal
15. Gururaj madhav mathad
16. Sachin kumar manjhi
17. Ruchi dwivedi
18. Charan narang
19. Ajit raul