

Cheminformatic Institute of Science Studies Lucknow

PG Diploma Program in Material Management (PGMM)

Program Curriculum

Module1 :Operations Management

- 1.Operations Management Concepts
- 2.Operations Decision-Making
- 3.Systems Design And Capacity
- 4.Facility Location And Layout
- 5.Forecasting Demand
- 6.Product Development And Design
- 7.Materials Management

Module 2: Inventory Management

- 1.Deterministic Inventory Models
- 2.The Wilson Model With Poisson Demand
- 3.Stochastic Single Period Models
- 4.Stochastic Models With Continuous Review
- 5.Stochastic Models With Periodic Review
- 6.Numerical Methods

Module 3: Material & Store Management

- 1.Introduction
- 2.Earnest Money And Security Deposit
- 3.Delivery Date In Contracts, Progressing of Supplies, Review Of Performance & Inspection Of Stores
4. Receipts Of Consignments At The Factories
- 5.Settlement of disputes/claims arising out of the contracts through arbitration/court-procedure
- 6.Annexure-B- Bank Guarantee Format for furnishing EMD
- 7.Standard Format of supply Order
- 8.Inventory Analysis
9. Materials Handling & Preservation
- 10.Stock Verification

Module 4: Legal Aspects of Supply Chain Management

- 1.Supply Chain Optimization
- 2.Integrating Lean, Agile, Resilience and Green Paradigms in Supply Chain Management (LARG_SCM)
- 3.A Hybrid Fuzzy Approach to Bullwhip Effect in Supply Chain Networks
- 4.Managing and Controlling Public Sector Supply Chains
- 5.Supply Chain Management Based on Modeling & Simulation: State of the Art and Application Examples in Inventory and Warehouse Management
- 6.Supply Chain Process Benchmarking Using a Self-Assessment Maturity Grid
- 7.Supply Chain Resilience Using the Mapping Approach
- 8.Capacity Collaboration in Semiconductor Supply Chain with Failure Risk and Long-term Profit

Module 5 : Enterprise Resource Planning

- 1.Business Functions and Business Processes
- 2.The Development of Enterprise Resource Planning Systems
- 3.Marketing Information Systems and the Sales Order Process
- 4.Production and Supply Chain Management Information Systems
- 5.Accounting in ERP Systems
- 6.Human Resources Processes with ERP
- 7.Process Modeling, Process Improvement, and ERP Implementation
- 8.RFID, Business Intelligence (BI),Mobile Computing, and the Cloud

Module 6: Just-in Time and Lean

- 1.Introduction
- 2.Jit Philosophy
- 3.Value-Added Analysis
- 4.Understanding Waste
- 5.Jit And Quality
- 6.Uniform Plant Load
- 7.Setup Time Reduction
- 8.Cellular Manufacturing
- 9.Pull Systems
- 10.Jit Purchasing
- 11.Jit In Conjunction With Manufacturing Resource Planning
- 12.Implementing JIT

Module 7: Purchasing Management

- 1.INTRODUCTION
- 2.Internal Aspect
- 3.Sourcing Strategies
- 4.Supplier Relations and Contract Management
- 5.Purchasing Professionalism
- 6.Services
- 7.Sustain ability

Module 8: Introduction to E-Business Management & Strategy

- 1.Introduction
- 2.E-business technology
- 3.E-business markets and models
- 4.E-business economics
- 5.E-marketing
- 6.The internet: law, privacy, trust and security
- 7.The management of e-business