

# POST GRADUATE DIPLOMA IN SUPPLY CHAIN MANAGEMENT (PGDSCM)

## PROGRAMME CURRICULUM

### Semester I

#### 1. Concepts in Supply Chain Management (CSCM)

1. An Introduction to Concepts in Supply Chain Management
2. Scope, Performance and Strategic Fit
3. Drivers and Obstacles
4. Designing a Supply Chain Distribution Network
5. Role of Network Design in a Supply Chain
6. Network Design in an Uncertain Environment
7. Forecasting Demand
8. Aggregate Planning and Managing Predictable Variability
9. Managing Inventory
10. Optimal Level of Product Availability
11. Sourcing
12. Transportation
13. Information Technology
14. Franchise Management
15. E-Business and the Supply Chain

#### 2. Logistics & Distribution Management

1. Physical Distribution
2. Distribution Channels
3. Wholesaling
4. Retailing
5. Channel Power and Channel Conflict
6. Channel Design
7. Logistics Management
8. Inventory Management
9. Transportation
10. Packaging
11. Warehousing
12. Modern Concepts in Logistics

#### 3. Legal Aspects of Supply Chain Management

1. The Indian Contract Act, 1872
2. The Sale of Goods Act, 1930
3. Negotiable Instruments Act, 1881
4. The Consumer Protection Act, 2019
5. The Standards of Weights and Measures Act, 1976
6. Insurance Laws
7. Insurance Cover
8. Income Tax Act
9. Goods and Service Tax
10. Labour Laws
11. Child Labour Act and Contract Labour Act
12. Documentation Laws
13. The Motor Vehicles Act, 1988

#### 4. Operations Project Management

1. Introduction to Projects
2. Projects Management Process
3. Projects Financing and Evaluation
4. Project Estimation and Economic Analysis
5. Organizing for Project
6. Project Planning
7. Networks for Project Management
8. Resource Levelling and Project Crashing
9. Project Implementation and Monitoring
10. Controlling Project
11. Projects Contracts Management
12. Management Risk in Projects
13. Project Quality Management
14. Issues in Project Management

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## PROGRAMME CURRICULUM

### Semester II

#### 1. Entrepreneurship Development and Management

1. Introduction of Entrepreneurship
2. Business Ideas
3. Developing a Business Plan
4. Establishing a Small Scale Enterprise
5. Functional Strategies for a New Business
6. Enterprise Planning
7. Issues and Challenges
8. Human Resources Management
9. E-Commerce and E-Business
10. Project Work

#### 2. Strategic Supply Chain Management

1. Introduction to Supply Chain Management
2. Relationship Concerns in Integrated Supply Chain Management
3. Supplier Relationship Management (SRM)
4. Customer Relationship Management
5. Strategic Sourcing
6. Facility Location and Network Design
7. Supply Chain Integration Coordination and Collaboration
8. Global Logistics for Effective Supply Chain Management
9. Global Supply Chain Management
10. Information Technology & Information Systems in Supply Chain Management

#### 3. E-Business

1. E-business strategy
2. Web Publishing
3. E-Commerce
4. The Web Presence
5. E- Marketing
6. Technologies for E-Commerce
7. Electronic Data Interchange (EDI)
8. E-Payment
9. E-Security
10. E-Services
11. E-Business- An Evaluation
12. E-Business Intelligence
13. M-Commerce
14. The Impact of E-Business on Different Fields & Industries
15. Case Studies

#### 4. International Supply Chain Management

1. Introduction to Supply Chain Management
2. International Supply Chain Management
3. Scientific Purchasing
4. Strategic Sourcing for Effective Global SCM
5. Inventory Management
6. Warehouse Management
7. Transport Management
8. Global Logistics
9. Supply Chain Integration Coordination and Collaboration
10. Packaging and Labelling for Global Supply Chain
11. Information Technology and Information Systems in Supply Chain Management
12. Current Trends in SCM and SCM Performance Measures

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## PROGRAMME CURRICULUM

### Semester III

#### 1. Warehouse Management

1. Introduction to Warehousing
2. Warehouse Functions
3. Warehouse Types
4. Warehousing and Value Added Services
5. Warehouse Internal Operations
6. Warehousing Equipment
7. Inventory Management
8. Safety and Security In Warehouses
9. Future Trends In Warehousing

#### 2. Green Logistics & Supply Chains

1. Environmental Sustainability & Green Logistics
2. Environmental Costs of Logistics
3. Reverse Logistics for Waste Management
4. Public Policy and Green Supply Chains
5. Green Supply Chains
6. Green Corridors
7. Green Land Transportation
8. Green 'Air Transportation' and Green 'Water Transportation'
9. Green Procurement
10. Green Supplier Development and Collaboration

#### 3. Supply Chain Risk Management

1. Basic of Risk Management
2. Risk in Supply Chain
3. Identifying & Analysing Risk
4. Creating Resilient SC
5. Business Continuity Management
6. Supply Chain Risk Management in Agriculture and Food Industry
7. Management of Risks in Sourcing and Procurement
8. Supply Chain Risk Management in Manufacturing
9. Information Technology in Supply Chain Risk Management

#### 4. Research Methodology

1. Understanding Research
2. Scientific Methods and Research
3. Formulating Research Problem & Hypothesis
4. Research Design
5. Data Collection and Measurement
6. Sampling and Sampling Technique
7. Observation
8. The Interview Method
9. The Questionnaire Method
10. The Survey Method
11. The Experimental Method
12. Scaling Techniques and Attitudes Measurement Techniques
13. Data Presentation, Processing and Analysis
14. Hypothesis Testing and Interpretation of Data

### Semester IV

#### 1. Knowledge Management in Supply Chain

1. Knowledge Management in Supply Chain
2. Supply Chain IT Framework
3. Supply Chain Information Systems
4. Digital Markets & Efficient Supply Chains
5. E-Supply Chain Opportunities
6. Technology Standards
7. Enterprise Resource Planning
8. Emerging Technologies in SCM
9. IT Tools in Procurement

#### 2. Supply Chain Performance Measurement

1. Performance Measurement of Integrated Supply Chain
2. Traditional Approaches to Supply Chain Performance Measurement
3. World Class Performance Measures for Supply Chains
4. Process Driven Metrics
5. Balanced Score Card – Supply Chain
6. SCOR Model
7. Case Studies in Supply Chain Management
8. Case Study on Logistics Performance Measurement

#### 3. Project

Students are required to submit one Project by the end of Semester IV