

**MADHYA PRADESH BHOJ (OPEN) UNIVERSITY,
Raja Bhoj Marg Kolar Road, BHOPAL (M.P.)**



PROGRAMME PROJECT REPORT

for

**POST GRADUATE DIPLOMA IN
LOGISTICS AND SUPPLY CHAIN MANAGEMENT
(from Calendar Year 2023-24)**

Table of contents

Contents	Page No.
(a) Programme's Mission and Objectives	3
(b) Relevance of the program with HEI's and Madhya Pradesh Bhoj Open University Mission and Goals	5
(c) Nature of prospective target group of learners	5
(d) Appropriateness of programme to be conducted in Open and Distance Learning mode to acquire specific skills and competence;	8
(e) Instructional Design e.1 Revisions of Regulation and Curriculum Design e.2 Detailed Syllabi e.3 Duration of the Programme: e.3.1 Medium of Instruction e.4 Faculty and Support Staff Requirements: e.5 Instructional Delivery mechanisms e.6 Identification of media e.7 Student support service	10
(f) Procedure for Admissions, curriculum transaction and evaluation f.1 Minimum qualification for admission f.2 Curriculum transaction f.3 Evaluation f.3.1 Minimum for a pass: f.3.2 Question Paper Pattern f.3.3 Procedure for Completing the Course: f.3.4 Results and Classification: f.3.4.1 Marks and grades f.4 Fees Structure	9
(g) Requirement of the laboratory support and library resources	15
(h) Cost estimate of the programme and the provisions	16
(i) Quality assurance mechanism and expected programme outcomes i.1 University's Moto: i.2 University's Vision and Mission i.3 University Objectives i.4 Quality Policy i.5 Quality Quote i.6. Course benchmarks	17
Appendix – Detailed Syllabi	18

MADHYA PRADESH BHOJ OPEN UNIVERSITY, BHOPAL

**POST GRADUATE DIPLOMA IN LOGISTICS AND SUPPLY CHAIN
MANAGEMENT**

**(With effect from Calendar Year 2023-24
Onwards)**

**(a) Programme's Mission and
Objectives**

Mission

PGD stands for Postgraduate Diploma, which is a higher education qualification typically pursued after completing a bachelor's degree. A Postgraduate Diploma in Logistics and Supply Chain Management is a specialized program that provides in-depth knowledge and skills in managing the movement of goods and services from suppliers to customers.

The mission of a Postgraduate Diploma in Logistics and Supply Chain Management is to equip students with the necessary expertise to excel in the field of logistics and supply chain management. Here are some key objectives and components of such a program:

Develop a comprehensive understanding: The program aims to provide students with a solid foundation in logistics and supply chain management concepts, principles, and theories. It covers various areas such as procurement, inventory management, transportation, warehousing, and distribution.

Enhance analytical and problem-solving skills: Students are trained to analyze complex logistics and supply chain issues and develop effective solutions. They learn how to use quantitative and qualitative techniques to optimize logistics processes, reduce costs, improve efficiency, and enhance customer satisfaction.

Foster strategic thinking: The program emphasizes strategic decision-making and encourages students to think critically about the broader implications of their logistics and supply chain management decisions. Students learn to align logistics strategies with overall organizational goals and consider factors such as globalization, sustainability, risk management, and emerging technologies.

Develop technical expertise: Students gain practical skills in using software tools and technologies that are commonly used in the field of logistics and supply chain management. They learn about supply chain information systems, data analytics, and other relevant software applications.

Promote industry relevance and collaboration: The program often includes industry visits, guest lectures, and case studies to provide students with real-world exposure and insights. Collaborations with industry partners, such as internships or projects, may also be included to enhance practical knowledge and employability.

Nurture leadership and communication skills: Effective communication and leadership are crucial in managing logistics and supply chain operations. The program helps students develop interpersonal and communication skills, teamwork abilities, and leadership qualities needed to lead and coordinate teams effectively.

Stay updated with industry trends: Given the dynamic nature of the logistics and supply chain industry, the program aims to keep students abreast of the latest trends, innovations, and best practices. It may cover topics such as e-commerce logistics, sustainable supply chain management, supply chain digitization, and global trade.

The Postgraduate Diploma in Logistics and Supply Chain Management is to prepare students for successful careers in various roles such as logistics managers, supply chain analysts, operations managers, procurement specialists, and consultants. By combining theoretical knowledge with practical skills, the program equips students to navigate the challenges and complexities of modern logistics and supply chain management.

(b) Programme Objectives:

The objectives of a Postgraduate Diploma in Logistics and Supply Chain Management program can include:

- Develop in-depth knowledge: The program aims to provide students with a comprehensive understanding of the principles, concepts, and theories related to logistics and supply chain management. Students will acquire a solid foundation in areas such as procurement, inventory management, transportation, warehousing, and distribution.
- Enhance analytical and problem-solving skills: The program focuses on developing students' ability to analyze complex logistics and supply chain challenges and formulate effective solutions. Students will learn to use analytical tools and techniques to optimize processes, reduce costs, improve efficiency, and enhance overall supply chain performance.
- Foster strategic thinking: The program encourages students to think strategically about logistics and supply chain management. They will learn to align logistics strategies with organizational goals, consider the impact of globalization and technological advancements, and identify opportunities for innovation and competitive advantage.
- Develop technical expertise: Students will gain practical skills in utilizing relevant software applications and technologies commonly used in logistics and supply chain management. This includes proficiency in supply chain information systems, data analytics, modeling and simulation tools, and other relevant software.
- Cultivate leadership and communication skills: Effective leadership and communication are vital in managing logistics and supply chain operations. The program aims to enhance students' interpersonal and communication skills, teamwork abilities, and leadership qualities to enable them to effectively lead

and collaborate with diverse teams.

- Promote ethical and sustainable practices: The program emphasizes the importance of ethical conduct and sustainability in logistics and supply chain management. Students will learn about responsible sourcing, environmental considerations, social responsibility, and the implementation of sustainable practices throughout the supply chain.
- Provide industry-relevant experiences: The program strives to provide students with exposure to real-world industry practices. This can include industry visits, guest lectures from industry experts, case studies, and opportunities for internships or projects in collaboration with industry partners. Such experiences enhance practical knowledge and facilitate networking opportunities.
- Support professional development: The program aims to prepare students for successful careers in logistics and supply chain management. It may offer career guidance, support professional certification preparation, and provide opportunities for students to develop their professional networks through industry events and associations.

By achieving these objectives, the program equips students with the necessary knowledge, skills, and mindset to excel in the field of logistics and supply chain management and prepares them for a wide range of career opportunities in the industry.

Programme Outcome:

The outcomes of a Postgraduate Diploma in Logistics and Supply Chain Management program can include:

- Advanced knowledge: Graduates will possess a deep understanding of logistics and supply chain management principles, theories, and best practices. They will be equipped with specialized knowledge in areas such as procurement, inventory management, transportation, warehousing, and distribution.
- Analytical and problem-solving skills: Graduates will be able to analyze complex logistics and supply chain challenges, identify areas for improvement, and develop effective solutions. They will have proficiency in using analytical tools, data analysis techniques, and modeling approaches to optimize logistics processes and enhance overall supply chain performance.
- Strategic thinking: Graduates will have the ability to think strategically and align logistics and supply chain strategies with organizational goals. They will be capable of assessing the impact of globalization, technological advancements, and market trends on supply chain operations, and developing strategies for competitive advantage.
- Technical expertise: Graduates will have practical skills in using relevant software applications and technologies utilized in logistics and supply chain

management. They will be proficient in supply chain information systems, data analytics tools, simulation software, and other technological platforms used to support logistics operations.

- Leadership and communication abilities: Graduates will possess effective leadership and communication skills necessary for managing teams and collaborating with stakeholders. They will have the ability to lead diverse teams, facilitate effective communication, and build strong relationships across the supply chain.
- Ethical and sustainable practices: Graduates will understand the importance of ethical conduct and sustainability in logistics and supply chain management. They will be knowledgeable about responsible sourcing, environmental considerations, social responsibility, and implementing sustainable practices throughout the supply chain.
- Industry-relevant experience: Graduates will have practical exposure to real-world industry practices through industry visits, guest lectures, case studies, internships, or industry projects. They will be familiar with industry trends, challenges, and emerging practices, enhancing their readiness to work in the field.
- Professional development: Graduates will be prepared for successful careers in logistics and supply chain management. They will possess the necessary skills to pursue roles such as logistics managers, supply chain analysts, operations managers, procurement specialists, or consultants. They may also have the foundation to pursue further education or certifications in the field.

Overall, the program outcomes aim to equip graduates with a comprehensive skill set, enabling them to effectively manage logistics and supply chain operations, make informed decisions, and contribute to the overall success of organizations in a dynamic and competitive business environment.

(c) Relevance of the program with HEI's and Madhya Pradesh Bhoj Open University Mission and Goals

The relevance of a Postgraduate Diploma in Logistics and Supply Chain Management program with an institution like Madhya Pradesh Bhoj Open University (MPBOU) lies in its alignment with the university's mission and goals. While I don't have access to the specific mission and goals of MPBOU, I can provide a general perspective on how the program can be relevant:

- Accessibility and inclusivity: Open universities like MPBOU often aim to provide accessible higher education opportunities to a diverse range of learners.

A Postgraduate Diploma in Logistics and Supply Chain Management program can be designed to accommodate working professionals, distance learners, and individuals seeking career advancement or upskilling opportunities. By offering the program in a flexible and open learning format, MPBOU can cater to a wider audience and promote inclusivity in education.

- Employability and skill development: MPBOU's mission may include equipping students with practical skills and enhancing their employability. A program in Logistics and Supply Chain Management aligns well with this goal as it focuses on developing industry-relevant knowledge, technical expertise, and problem-solving skills. Graduates of the program can contribute to the workforce by filling key roles in logistics, supply chain management, and related fields.
- Meeting regional and national needs: MPBOU may have a mission to address the specific educational needs and economic development of the Madhya Pradesh region. Logistics and supply chain management are integral to the efficient movement of goods and services, which are vital for economic growth and development. By offering a program in this field, MPBOU can contribute to meeting the regional and national demand for skilled professionals in logistics and supply chain management.
- Promoting research and innovation: Universities often have a mission to promote research and innovation in various disciplines. A program in Logistics and Supply Chain Management can provide opportunities for research and exploration of emerging trends, technologies, and best practices in the field. This can contribute to the overall academic and intellectual growth of the institution and foster collaborations with industry partners for applied research.
- Collaborations and industry partnerships: MPBOU may have a goal of establishing collaborations and partnerships with industry stakeholders. A program in Logistics and Supply Chain Management can facilitate such collaborations by providing avenues for industry visits, guest lectures, internships, and projects. These collaborations enhance the practical relevance of the program, promote industry-institution interaction, and potentially lead to employment opportunities for graduates.

By offering a Postgraduate Diploma in Logistics and Supply Chain Management program, MPBOU can address the educational needs of learners, contribute to regional and national development, promote research and innovation, and establish valuable collaborations with industry partners. It aligns with the university's mission and goals by providing accessible, relevant, and high-quality education in a field of growing importance.

(d) Nature of prospective target group of learners

The prospective target group of learners for a Postgraduate Diploma in Logistics and Supply Chain Management program can vary depending on the specific context and requirements of the program. However, some common characteristics of the target group may include:

Working professionals: Many individuals who pursue a postgraduate diploma in logistics and supply chain management are already working in the field or related industries. They may be seeking to enhance their knowledge and skills to advance their careers, take on higher-level roles, or transition into a specialized area within logistics and supply chain management.

Recent graduates: Another target group can be recent graduates who have completed their bachelor's degrees in fields related to business, management, engineering, or logistics. They may choose to pursue a postgraduate diploma to gain specialized knowledge and improve their job prospects in the logistics and supply chain industry.

Career changers: Some individuals may come from diverse backgrounds and industries and are looking to switch their careers to logistics and supply chain management. They may see the program as an opportunity to acquire the necessary skills and knowledge to make a successful transition into this field.

Entrepreneurs and small business owners: Individuals who own or plan to start their own businesses can also be a target group for this program. They may want to gain a deeper understanding of logistics and supply chain management to effectively manage their operations, optimize their supply chain, and improve overall efficiency and profitability.

International learners: With the increasing globalization of business and trade, there is a growing demand for professionals with expertise in logistics and supply chain management. International learners seeking to enhance their knowledge and qualifications in this field can be another target group for the program.

It's important to consider the diverse educational backgrounds, work experiences, and career aspirations of the prospective learners. The program should be designed to cater to this varied target group by offering flexible learning options, practical applications, and industry-relevant content. Additionally, it may be beneficial to provide support services such as career counseling, networking opportunities, and access to industry resources to assist learners in achieving their professional goals.

(e) Appropriateness of programme to be conducted in Open and Distance Learning mode to acquire specific skills and competence;

Conducting a Postgraduate Diploma in Logistics and Supply Chain Management program

in an Open and Distance Learning (ODL) mode can be highly appropriate for acquiring specific skills and competence in this field. Here are some reasons why:

Flexibility: ODL allows learners to study at their own pace and convenience. They can access course materials, lectures, and resources online, enabling them to balance their studies with work or other personal commitments. This flexibility is particularly beneficial for working professionals who may need to continue their employment while pursuing the diploma.

Accessibility: ODL breaks down geographical barriers, making education accessible to learners who may not have easy access to traditional on-campus programs. Learners from remote areas or individuals who are unable to relocate can still participate in the program and acquire the necessary skills and competence in logistics and supply chain management.

Self-directed learning: ODL promotes self-directed learning, where learners take responsibility for their own learning journey. In the field of logistics and supply chain management, self-directed learning is crucial as it fosters independent thinking, problem-solving skills, and the ability to adapt to changing industry dynamics.

Application-oriented approach: ODL programs can incorporate practical assignments, case studies, and real-world projects that allow learners to apply theoretical concepts to practical situations. This hands-on approach is essential for acquiring specific skills and competence in logistics and supply chain management, as learners can directly apply their knowledge to real-life scenarios.

Technological resources: Logistics and supply chain management rely heavily on technology and software applications. ODL programs can leverage online platforms, simulation tools, and data analytics software to provide learners with practical exposure to industry-relevant technologies. This helps learners develop the technical competence required in the field.

Collaborative learning: ODL programs can facilitate collaboration among learners through online discussion forums, virtual group projects, and peer-to-peer interactions. This collaborative learning approach allows learners to exchange ideas, share experiences, and learn from each other's perspectives, enhancing their overall competence in logistics and supply chain management.

Continuous professional development: ODL programs can provide opportunities for continuous professional development. Learners can access updated course materials, industry insights, and emerging trends in logistics and supply chain management throughout their careers. This helps them stay relevant and adapt to evolving industry requirements.

It's important to note that while ODL mode offers numerous advantages, certain practical aspects of logistics and supply chain management, such as physical demonstrations or hands-on equipment handling, may require additional arrangements. However, with careful program design, effective use of technology, and collaboration with industry partners, an ODL program can successfully equip learners with specific skills and

competence in logistics and supply chain management.

(f) Instructional Design

e.1 Revisions of Regulation and Curriculum Design

The University reserves the right to amend or change the regulations, schemes of examinations and syllabi from time to time based on recent market dynamics, industrial developments, research and feedback from stakeholders and learners.

Programme code

PG Diploma in Logistics and Supply Chain Management	PGDLSM
--	---------------

Course of Study and Scheme of Examinations

SEMESTER I :
Project Management (Operations)
Logistics and Distribution Management
Concepts in Supply Chain Management
Legal Aspects of Supply Chain Management
SEMESTER II :
Strategic Supply Chain Management
E-Business
Entrepreneurship Development and Management
International Supply Chain Management
SEMESTER III :
Warehouse Management
Green Logistics and Supply Chains
Supply Chain Risk Management
Research Methodology
SEMESTER IV :
Knowledge Management In Supply Chain
Supply Chain Performance Measurement
Project

e.2 Detailed Syllabi

The detailed Syllabi of study and shall be as shown in Appendix.

e.3 Duration of the Programme:

The PG Diploma in Logistics and Supply Chain Management programme shall consist of a period of two year

e.3.1 Medium of Instruction

We offer the P.G. Diploma Programme in Logistics and Supply Chain Management in the medium of English and Hindi. In other words, the print materials as well as the audio and video programmes are in both English and Hindi. You can, therefore, choose anyone of these languages to write your assignments, project proposals, project reports and Term-End examination.

e.4 Faculty and Support Staff Requirements:

The following faculty and support staff is required for this programme.

Staff Category	Required
Core Faculty	3
Laboratory Assistant	1
Clerical Assistant	1

*Faculty at least in Assistant Professor level

e.5 Instructional Delivery mechanisms

The instructional delivery mechanisms of the programme includes SLM- Study materials, Lab instruction manual, Personal contact session for both theory and practical courses of the programme, e-version of the course materials in the form of Video Lectures, e- book, e-tutorials, Webinars, Massive Open Online Courses (MOOC) Courses, Open Educational Resources(OER) and Virtual lab.

e.6 Identification of media

The printed version of SLM – study material shall be given to the learners in addition to MOOC, e-tutorial and Virtual lab.

e.7 Student Support Services

The student support services will be facilitated by the Directorate of Distance Education, Madhya Pradesh Bhoj Open University, Bhopal and its approved learning centres located in various parts of Madhya Pradesh.

The pre-admission student support services like counseling about the programme including curriculum design, mode of delivery, fee structure and evaluation methods will

be explained by the staff at Directorate of Distance Education or Learning centres. The post - admission student support services like issuing Identity card, study materials will be provided thru Directorate or Learning centres. The face to face contact sessions of the programme for both theory and practical's will be held at the MPBOU. The student support regarding the conduct of examinations, evaluations, publication of results and certificates done by the Office of the Controller of Examinations, Madhya Pradesh Bhoj Open University, Bhopal.

(g) Procedure for Admissions, curriculum transaction and evaluation

f.1 Minimum qualification for admission

A person holding Bachelor's Degree in any subject is eligible for enrolment in Post-Graduate Diploma Programme in Logistics and Supply Chain Management.

f.2 Curriculum transaction

- The face to face contact sessions in class room teaching with the support of SLM, PowerPoint Presentations, web based tools, audio and animated videos.
- The practical classes are based on the respective subject study materials containing requirement for the laboratory experiments.
- Face to face contact sessions will be conducted for both theory and practical courses in the following manner.

f.3 Evaluation

There shall be two types of evaluation systems; Continuous internal assessment and end semester examination will be conducted by the University according to the following scheme. The internal assessment for both theory and practical's is maximum of 25 marks for each course. The end semester examination for theory and practical is maximum of 75 marks for each course. The candidate failing in any course(s) will be permitted to appear for each failed course(s) in the subsequent examination.

Internal assessment

- Internal assessment of theory courses is through class test, home assignment with workbook, case studies, review questions, quiz, multiple choice questions for 25 marks.
- The internal assessment for the practical courses shall be through home assignment which includes model practical test with workbook designing algorithm, preparing source code, PL/SQL coding for 25 marks.
- Student should submit assignment for theory and practical courses of every course and semester.

Division of Internal Marks (Assignment)

Theory		Practical	
Assignment	Marks	Assignment	Marks
Class Test, Long and short answer questions, Workbook, case studies,quiz, Multiple Choice Questions(MCQ)	25	Model Practical Test : Algorithm Design,System design diagrams,Workbook for preparing source code, PL/SQL coding , results	25
TOTAL	25	TOTAL	25

End Semester Examination (ESE)

The university end Semester Examinations shall be of three hours duration with maximum of 75 Marks for both theory and practical courses.

f.3.1 Minimum for a pass:

To pass in each course, a candidate is required to secure 40% marks in the End Semester examination and 40% marks in the aggregate (marks in End Semester Examination + marks in Internal Assessment).

The students who does not secure required minimum marks for pass in a course(s) shall be required to reappear and pass the same in the subsequent examination,

f.3.2 Question Paper Pattern - Theory

The end semester examination will be conducted in the duration of 3 Hours and maximum of 75 Marks.

All the units Should be covered in each Part

Part – A (10 x 2 Marks: 20 Marks) Answer all questions
Part – B (5 x 5 Marks: 25 Marks) Answer all questions choosing either (a) or (b)
Part – C (3 x 10 Marks: 30 Marks) (Answer any 3 out of 5 questions)

End Semester Examination (ESE) - Practical

Students are required to prepare a separate lab record for each lab course. The practical counsellor should duly sign this lab record after each session.

Students shall prepare practical record note book which includes aim, algorithm, source code, input, expected output and result of the experiment and submit during end semester practical examination.

Division of marks in ESE – Practical (Maximum 75 marks)

The end semester practical examination will be conducted in the duration of 3 Hours and maximum of 75 Marks.

Practical details	Max. Marks
Algorithm / Flowchart	10
Source Code	20
Debugging	10
Execution	10
Results	10
Viva-Voce	5
Record	10
Total	75

f.3.3 Procedure for Completing the Course:

A student shall be permitted to continue the programme from I to II semester irrespective of failure(s) in the courses of the earlier semesters. The candidate will qualify for the PG Diploma in Logistics and Supply Chain Management Programme only if he/she passes all the (including arrears) courses with in a period of four years from the date of admission.

f.3.4 Results and Classification:

Results will be declared at the end of each semester of the University examination and the marks/grade obtained by the candidate will be forwarded to them by the Controller of Examinations, Madhya Pradesh Bhoj Open University.

f.3.4.1 Marks and grades

The following table gives the marks, grade points, letter, grades and classification to indicate the performance of the candidate.

Range of Marks	Grade Points	Letter Grade	Description
96-100	10.00	S+	First class – Exemplary
91-95	9.5	S	
86-90	9.0	D++	First class – Distinction
81-85	8.5	D+	
76-80	8.0	D	
71-75	7.5	A++	First Class
66-70	7.0	A+	
61-65	6.5	A	
56-60	6.0	B	Second Class
50-55	5.5	C	

Below 50	0.00	F	Fail
ABSENT	0.00	AAA	Absent

For a semester

$$\text{Grade Point Average[GPA]} = \sum C_i G_i / \sum C_i$$

$$\begin{aligned} \text{GPA} &= \frac{\text{Sum of the multiplication of Grade points by the credit of the courses}}{\text{Sum of the credit of the courses in the semester}} \\ &= \frac{\text{Sum of [Credit earned x Grade Points]}}{\text{Sum of the credits earned in the semester}} \end{aligned}$$

f.4 Fees Structure

The Programme fee of Rs.6000/- (Six Thousand) to be paid in lumpsum at the time of admission along with the filled in application form.

(h) Requirement of the laboratory support and library resources

g.1 Laboratory Support

A well- equipped Computer Laboratory was established in the Madhya Pradesh Bhoj Open University, Bhopal with necessary software's as per the practical's syllabi for conducting face to face contact sessions for practical courses of this programme.

g.2 Library Resources

The Directorate of Distance Education, Madhya Pradesh Bhoj Open University provides library facility with number of books and Self Learning materials for Computer Science Programmes. The library of Madhya Pradesh Bhoj Open University provides the collection of volumes of Self Learning Materials, Printed books, Subscriptions to printed periodicals and Non-book materials in print form for the learner's references. All these library resources are meant for learner's reference purpose only.

(i) Cost estimate of the programme and the provisions:

Expense details	Amount in (Rs.) Approx.
Programme development (Single time Investment)	5,00,000/-
Programme delivery (per year)	8,00,000/-

Programme maintenance (per year)	2,00,000/-
----------------------------------	------------

i.1 University’s Moto: to promote education that reaches the unreached through the Open and Distance Learning system and the motto of the University is “reaching the unreached”.

i.2 University’s Vision and Mission

(j) Vision

Achieving Excellence in all spheres of Education, with particular emphasis on 'PEARL' - Pedagogy, Extension, Administration, Research and Learning.

Mission

Affording a High Quality Higher Education to the learners so that they are transformed into intellectually competent human resources that will help in the uplift of the nation to Educational, Social, Technological, Environmental and Economic Magnificence (ESTEEM).

i.3 University Objectives

1. Providing for instructions and training in such branches of Learning at the university may determine.
2. Fostering Research for the Advancement and Dissemination of Knowledge and Application.

i.4 Quality Policy

Attaining Benchmark Quality in every domain of 'PEARL' to assure Stakeholder Delight through Professionalism exhibited in terms of strong purpose, sincere efforts, steadfast direction and skillful execution.

i.5 Quality Quote :Quality Unleashes Opportunities Towards Excellence (QUOTE).

i.6. Course benchmarks

The benchmark qualities of the programme may be reviewed based on the performance of students in their end semester examinations and number of enrolments of students. Feedback from the alumni, students, parents, stakeholders and employers will be received to analyze the benchmark qualities for the further improvement of the programme.

Appendix – Detailed Syllabi

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. 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, 1986
5. The Standards of Weights and Measures Act, 1976
6. Insurance Laws
7. Insurance Cover
8. Income Tax Act
9. Central Excise Act, 1944
10. Labour Laws
11. Child Labour Act and Contract Labour Act
12. Documentation Laws

-
13. The Motor Vehicles Act, 1988

4. Project Management (Operations)

1. Projects Overview
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. Software Project Management
15. Issues in Project Management

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. The Internet
2. The Web
3. E-Commerce
4. The Web Presence
5. Internet Marketing
6. Technologies for E-Commerce
7. Electronic Payment
8. E-Security
9. E-Services
10. E-Business – An Evaluation
11. E-Business Intelligence
12. M – Commerce
13. The Road Ahead
14. 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

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

References And Suggested Further Readings

- 1) Bowersox Donald J. and Closs David J., “Logistical Management- The Integrated Supply Chain Management”, McGraw-Hill International Editions, 1996
- 2) Janice H. Hammond and Maura G. Kelly, “ Quick Response in the Apparel Industry”, Harvard Business School Publishing, Case No.9-690-038, Rev April 24,1991, pp1-19
- 3) Joan Magretta, “ Fast, global and entrepreneurial: Supply Chain Management, Hong Kong style An Interview with Victor Fung”, Harvard Business Review, September-October 1998, pp103-114
- 4) Marshall L.Fisher, Janice H.Hammond, Walter R. Obermeyer, and Ananth Raman. “Making supply meet demand in an uncertain world”, Harvard Business Review, May-June 1994, pp83-93
- 5) Marshall L.Fisher. “What is the Right Supply Chain for your product?” Harvard Business Review, March-April, 1997, pp: 105-116.
- 6) Rhonda R. Lummus, Robert J. Vokurka and Karen L. Alber. , “Strategic Supply Chain Planning”, Production and Inventory Management Journal, Third Quarter, 1998, APICS, pp: 49 – 58
- 7) Robert D. Buzzell, “Vanity Fair Mills- Market Response System”, Harvard Business School, Case no.9-593-111, Rev October 12,1993,pp1-31
- 8) Satyabir Bhattacharya. “Integrated Supply Chain Management – A key to Effective Manufacturing in the next Millennium”, www.indiatoday.com/btoday/200010/plus/.html, 1/1/00, pp: 1-7
- 9) Sumantra Sengupta and John Turnbull. “ Seamless Optimization of the entire supply chain”, IIE Solutions, October 1996, pp: 28-33

Online Links

http://www.lean6sigma.vn/index2.php?option=com_docman&task=doc_view&gid=17&Itemid=43
http://www.palgrave.com/uploadedfiles/Business/Waters/waters_sample_chapter.pdf
<http://quizlet.com/9526719/chapter-2-supply-chain-management-flash-cards/>
http://www.adam-europe.eu/prj/7095/prj/CourieL_WP2_Chapter2_final.pdf
<http://www.freepatentsonline.com/article/Transportation-Journal/112085360.html>
<http://www.scribd.com/doc/70832979/Hill-Supply-chain-logisticsmanagement>
<http://www.iibms.org/pdf/Ebooks/Logistics%20and%20Retail.pdf>