

**EXECUTIVE CERTIFICATE PROGRAM IN**

# **LOGISTICS & SUPPLY CHAIN MANAGEMENT**

**FROM XLRI | BATCH 3**



# ABOUT PROGRAM

## Learn to manage invariably complex issues in Logistics and Supply Chain

- A dynamic supply chain can decrease purchasing and production costs for both sellers and manufacturers.
- Research has showcased that 79% of companies with robust supply chains achieve revenue growth greater than the average within their industries.
- 24.7% of supply chain professionals say that delivery costs are the biggest challenge for B2C e-commerce companies.
- Transportation management systems can improve freight savings by up to 8%

All organizations need to ensure that their goods are procured/manufactured at the lowest cost and meet the company's expectations in terms of timely delivery, quality, quantity and location. This is essential for providing the best customer experience and to ensure your superiority over the competition. However, Understanding the problems and issues within the respective fields of logistics and supply chain are invariably complex and require clear reasoning and analysis. More so, the decision making in supply chain management often requires not only technical competencies from those individuals involved, but also requires them to possess competencies of a more managerial nature.

This online course in supply chain management aims to equip participants with the required depth & balance of technical and managerial competencies to succeed in this domain. It is designed to enable participants with the knowledge of functions, management and operations of logistics & supply chain systems.

## PROGRAM HIGHLIGHTS

- Certificate of Completion from XLRI
- Sessions imparted by a mix of experienced XLRI faculty and industry experts where relevant
- 3 day On-Campus module at XLRI Jamshedpur
- Learn to apply technical & managerial competencies in complex supply chain business scenarios
- Hands-On exposure to relevant software and tools
- Study Materials included
- Opportunities for peer learning from professionals across different geographies and work environments
- Fully Online Program with LIVE online interactive lectures that provides a "real" classroom experience in a "virtual" environment.
- No isolated learning experience.
- Seamless technology that can transmit lecture videos effectively at home broadband connection of 512 kbps.
- User friendly and easy to use technology interface. No expensive and time consuming software/hardware installations required at your end.
- Virtual classrooms that allow for active interactions with other fellow students and faculty.
- Convenient schedules to suit working professionals
- In the event that students miss attending the LIVE lecture on the Virtual Classroom for some reason, students can request "On Demand" access to the recorded session.
- TALENTEDGE's Cloud Campus – Students on our virtual social learning platform are provided access to Program presentations, projects, case studies, assignments and other reference materials as applicable for specified Programs. Students can raise questions and doubts either real time during the live class or offline through the Cloud Campus.
- Learn from Anywhere – No need to travel to an institute or training center. Student may learn from the comfort of his/her home.



CONNECTION  
ANALYSIS  
DATA  
SEARCHING  
VERIFICATION  
CODING  
SENDING

## **SYLLABUS**

### **QUANTITATIVE METHODS**

- Descriptive Statistics
- Statistical Distributions
- Linear Programming
- Transportation Problems
- Assignment Problems

### **LEGAL ASPECTS IN SUPPLY CHAIN MANAGEMENT**

- Legal Aspects of Movement of Goods
- Legal Framework of Business
- GST etc.

### **PRODUCTION, OPERATIONS AND PROJECT MANAGEMENT**

- Fundamentals of Production and Operations Management
- Interface areas with Logistics and Supply chain Areas
- Principles of Project Management
- PERT/CPM etc.

### **INTRODUCTION TO LOGISTICS AND SUPPLY CHAIN MANAGEMENT**

- Concepts and Views of Supply Chain Management
- Drivers of Performance
- Efficiency and Responsiveness of SCM
- Strategic Fit

## **DEMAND ANALYSIS AND FORECASTING**

- Basic tools of forecasting like Times Series, Regression etc.

## **INVENTORY DECISIONS AND MANAGEMENT**

- Basic Notions of Inventory Costs
- Inventory Models
- Service Levels
- Tradeoffs in Inventory Decisions
- JIT and Multi-echelon inventory

## **WAREHOUSING DECISIONS AND MANAGEMENT**

- Basic Role of Warehousing in SCM
- Locational Considerations
- Space Management
- Warehouse Operations and Performance

## **DISSERTATION**

## **WHO SHOULD ATTEND**

- Middle level managers seeking to learn hands on skills and competencies in an increasingly digitalized environment.
- Experienced executives who want to gain an in-depth understanding of the various facets of supply chain and their interdependencies.
- Young professionals aspiring to establish and grow their careers in the Supply Chain domain.

## **PURCHASING AND SUPPLY MANAGEMENT**

- Concepts and Leverage Principle of Purchasing
- Procurement and Purchasing Principles
- Negotiation and Contracting
- Project Buying etc.

## **IT AND ERP IN SCM**

- Role of IT in SCM
- IT-enabled SCM
- E-commerce
- Latest Developments like Blockchain, IoT etc.

## **TRANSPORTATION MANAGEMENT**

- Notions of Transportation Decisions
- Trade-offs in Selecting Modes
- Consolidation and Cross docking
- Network Analysis
- Routing and Scheduling
- Cost Modeling
- Transport Contracting and 3PL

## ELIGIBILITY

### EDUCATION

- For Indian Participants – Graduates (10+2+3) or Diploma Holders (only 10+2+3) from a recognized university (UGC/ AICTE/DEC/AIU/State Government) in any discipline.
- For International Participants – Graduation or equivalent degree from any recognized University or Institution in their respective country.
- Proficiency in English, spoken & written is mandatory.

### WORK EXPERIENCE

- Working professionals with a minimum of 2 years of Experience.



## FACULTY



### DR. T.A.S.VIJAYARAGHAVAN

M. Stat. (ISI), PGD in SQC & OR (ISI), Fellow (IIM Bangalore) XLRI Jamshedpur

Dr. Vijayaraghavan is a Professor in the area of Production, Operations Management and Decision Sciences Area & Information Systems at XLRI, Jamshedpur. He also serves as the Associate Dean (International and Corporate Programmes) and Chairperson, Center for Logistics and Supply Chain Management at XLRI. Dr. Vijayaraghavan has published a number of papers in Indian and International journals. He is also a Six-Sigma trainer for corporate and has conducted several MDPs on Statistical Methods & Six Sigma for Decision making. He has conducted trainings in SCM program for various companies like IPCL, Lafarge Cements, Telcon, Daimler Chrysler, Rane Group, Coke, SAIL, BRPL, Tata Steel, Britannia, Tata Motors etc.

## PEDAGOGY

The primary method of instruction will be through LIVE lectures that will be beamed online via Internet to student desktops/laptops or classrooms. The pedagogy comprises lectures by XLRI faculty, case discussions, and hands on exposure to relevant software and tools. Concepts will be explained using examples drawn from the real life and will cover current trends and market practices. All enrolled students will also be provided access to our SLIQ Cloud Campus through which students may access other learning aids, reference materials, assessments, case studies, projects and assignments as appropriate. Throughout the duration of the program, students will have the flexibility to reach out to the professors, real time during the class or offline via our SLIQ Cloud Campus to raise questions and clear doubts.

## ASSESSMENT & CERTIFICATION

A minimum of 70% attendance to the LIVE lectures is a prerequisite for the successful completion of this program. There are periodic evaluations built in throughout the duration of the program. These maybe in the form of a quiz, assignment, project, case studies or other objective/subjective assessments. The evaluations are designed ensure continuous student engagement with the program and encourage learning. Participants who successfully complete the same along with the requisite attendance criteria, will be awarded a Certificate of Completion by XLRI. Participants who are unable to clear the evaluation criteria but have the requisite attendance will be awarded a participation certificate by XLRI.



## PROGRAM DETAILS

- Program Commencement : 04 July 2020
- Schedule of Classes: 2.5 hours every Tuesday and Saturday from 7.00pm to 9.30pm IST
- Duration: 8 months
- For Indian Participants: INR 140,000 + GST
- For International Participants: USD 2800
- Instalment options available

## HOW TO APPLY

For admissions, students can register at :  
[www.talentedge.com](http://www.talentedge.com) or at XLRI's  
website: <https://vil.xlri.ac.in/>





**FOR MORE DETAILS**

[www.talentedge.com](http://www.talentedge.com)

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