

# Increasing Efficiency and Reducing Cost Within a Supply Chain (U.S. and Indian Perspectives)

## Overview

Students and managers are often trained and motivated to focus on their internal operations in their search to increase efficiency and decrease costs. This course is intended to enable students and managers to look outside of their own company to consider their supply chain to identify ways to improve effectiveness and decrease waste. This course exposes participants to current management thinking, methods and strategies associated with Collaboration, Forecasting, Quality Management and Lean Management. Company examples from both the United States and India will be used to illustrate the principles

This course is organized in six modules that start at the supply chain and economy and then focuses on individual firm level practices. The six topics are : Supply chain management and Collaboration in the Economy, Forecasting and Demand Planning, Fundamentals of Quality Management, TQM and Six Sigma, Process Proving and Statistical Process Control, Performance Metrics and Lean Supply Chain Management

Course participants will learn these topics through lectures, case studies and assignments

<b>Dates for the Course</b>	<b>June 13 – June 17, 2016</b>
<b>Host Institute</b>	<b>IIT Madras</b>
<b>No. of Credits</b>	<b>1</b>
<b>Maximum No. of Participants</b>	<b>50</b>
<b>You Should Attend If...</b>	<ul style="list-style-type: none"><li>▪ You are a student or faculty from an academic institution interested in learning about supply chain management and its effect on firm efficiency.</li><li>▪ You are a manager interested in better understanding supply chain management.</li><li>▪ You are an executive looking for ways to reduce cost and improve efficiency within the firm.</li></ul>
<b>Course Registration Fees</b>	<p>The participation fees for taking the course is as follows: <b>Student Participants:</b> Rs.1000 <b>Faculty Participants:</b> Rs.3000 <b>Government Research Organization Participants:</b> Rs.5000 <b>Industry Participants:</b> Rs.10000</p> <p>The above fee is towards participation in the course, the course material, computer use for tutorials and assignments, and laboratory equipment usage charges.</p> <p><b>Mode of payment: Demand draft in favour of “Registrar, IIT Madras” payable at Chennai</b> The demand draft is to be sent to the Course Coordinator at the address given below.</p>
<b>Accommodation</b>	<p>The participants may be provided with hostel accommodation, depending on the availability, on payment basis. Request for hostel accommodation may be submitted through the link: <a href="http://hosteldine.iitm.ac.in/iitmhostel">http://hosteldine.iitm.ac.in/iitmhostel</a></p>

## Course Faculty



**Dr. Zach G. Zacharia** is an Associate Professor of Supply Chain Management in the College of Business and Economics, Lehigh University where he teaches Graduate and Undergraduate courses in Supply Chain Operations Management and Logistics and Transportation. His current research interests include Collaboration within the Supply Chain, Coopetition and Psychological Contract Breach.



Dr. Usha Mohan is an Associate Professor at the Department of Management Studies, Indian Institute of Technology, Madras, where she teaches undergraduate courses in Operations Research and M.B.A courses in Data Analytics and Optimization. Her current research interests are in the area of optimization and quantitative models in Supply Chain Management with focus on Auto supply chains, healthcare supply chains and food supply chains.

## Course Coordinator

**Name: Dr. Usha Mohan**

Phone: +91 44 2257 4576/96000 56836

E-mail: [ushamohan@iitm.ac.in](mailto:ushamohan@iitm.ac.in)

.....  
URL:

<http://www.doms.iitm.ac.in/index.php/usha>