

Supply Chain Modelling and Decision Making

Overview

The aim of the course is to provide the knowledge of problems, models and solution methods in relation to the links that exist between the various members of a supply chain, the challenges related to obtaining maximal supply chain profit in integrated manner as well as the coordination of decision processes in a supply chain. In addition the purpose of this course is to provide the participant with skills in applying solution methods to these challenges. Also, the course will impart the participants knowledge about issues that concern the acquisition and use of advanced information technology throughout the supply chain. The course has been designed to incorporate the contemporary issues on risk management and supplier management. Such contemporary issues have been the focus of every country that too when supply chains are expanding across borders and known better to be global supply chains.

Academicians with proven knowledge and demonstrable ability in teaching, consultancy, research, and training in the field of Supply Chain Management (SCM) will conduct sessions and case-based real-life problems solving exercises in the training course. The objective of this course is to expose participants to the fundamentals of supply chain management, model building and decision making techniques using stylized, special problems using optimization, scenario modelling using simulation. These techniques can be used in various supply chain processes; Customer Relationship Management (CRM), Supplier Relationship Management (SRM), logistics, Enterprise Resource Planning (ERP).

Dates for the Course	01 August – 07 August 2016
Host Institute	IIT Madras
No. of Credits	1
Maximum No. of Participants	50
You Should Attend If...	<ul style="list-style-type: none"> ▪ You are an engineer or research scientist interested in learning supply chain decision making models to take better supply chain decisions ▪ You are a student or faculty from academic institution interested in learning optimization, meta heuristics and simulation techniques applied in supply chain environment ▪ You are an industry executive with profiles related to supply chain
Course Registration Fees	<p>The participation fees for taking the course is as follows: Student Participants: Rs.1000 Faculty Participants: Rs.3000 Government Research Organization Participants: Rs.5000 Industry Participants: 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>Mode of payment: Demand draft in favour of “Registrar, IIT Madras” payable at Chennai The demand draft is to be sent to the Course Coordinator at the address given below.</p>
Accommodation	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: http://hosteldine.iitm.ac.in/iitmhostel

Course Faculty



Kannan Govindan is a Full Professor and Head of the Centre for Sustainable Engineering Operations Management, Department of Technology and Innovation, University of Southern Denmark, Odense, Denmark. His research interests include Supply chain optimization, reverse logistics, closed loop supply chain, green supply chain management, and sustainable supply chain management.



Arshinder Kaur is Associate Professor in the Department of Management Studies, IIT Madras. Her research interests are supply chain contracts, closed loop supply chain, simulation based optimization, strategic sourcing and supply chain sustainability.

Course Coordinator

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