



OPERATIONS AND SUPPLY CHAIN MANAGEMENT

PROF. G. SRINIVASAN

Department of Management
IIT Madras

INTENDED AUDIENCE : Any Interested Learner.

COURSE OUTLINE :

This course introduces the viewer to the basics of Operations and Supply Chain Management. The concepts in Operations Management are restricted to the planning and operational decisions within an organization while the supply chain concepts are for a network of organizations. The main emphasis of the course is on the basic concepts and on quantitative modeling of the various decision problems.

ABOUT INSTRUCTOR :

Prof. G Srinivasan is a Professor in the Department of Management Studies at IIT Madras. He has more than 25 years of teaching and research experience. His areas of Interest include Operations Research, Supply Chain Management, O.R. Applications. His videos in Operations Research available under NPTEL are popular.

COURSE PLAN :

Week 1 : Forecasting

Week 2 : Facility layout and location.

Week 3 : Capacity and aggregate planning

Week 4 : Inventory management

Week 5 : Scheduling models and applications

Week 6 : Introduction to supply chain.

Week 7 : Value of information and supply chain integration.

Week 8 : Outsourcing

Week 9 : Transportation decision

Week 10: Distribution and logistics in supply chains

Week 11: Information technology in supply chain.