



Asia Masters Center

Advanced Planning In Supply Chain Management





Advanced Planning In Supply Chain Management

➔ Course Objective

- Describe a supply chain and define supply chain management.
- Describe the objectives and elements of supply chain management.
- Describe local, regional, and global supply chain management activities among services and manufacturing companies.
- Describe a brief history and some of the trends of supply chain management.
- Understand how the bullwhip effect impacts supply chain members.

➔ Target Audience

- This course will mainly benefit to purchasing managers, senior buyers, project managers, civil engineers, construction managers, contractors, sub-contractors, site engineers, senior management, and government agencies, architects, construction professionals, and anyone responsible for purchasing at a senior level who seeks to enhance their skills further.



Course Outline

Day 1

Basis of Supply Chain Management

- Supply chain management – an overview
- Supply chain analysis
- Process modeling
- Performance measurement
- Inventory analysis
- Types of supply chains
- Advanced planning

Day 2

Concepts of Advanced Planning Systems

- Structure of advanced planning systems
- Strategic network design
- Demand planning
- Master planning
- Demand fulfillment and ATP
- Production planning and scheduling
- Purchasing and material requirements planning
- Distribution and transport planning
- Coordination and integration
- Collaborative planning

Day 3

Implementing Advanced Planning Systems

- The definition of a supply chain project
- Supply chain evaluation
- Supply chain potential analysis
- Project roadmap
- The selection process
- APS Requirements



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- Implementation and integration
- Post-implementation effort and support model
- The implementation process
- The APS implementation project
- Modeling phases of an APS-Project

Day 4

Actual APS and Case Studies

- Architecture of selected APS
- Strategic network design in the chemical industry
- Computer assembly
- Oil industry
- SCM in a pharmaceutical company
- Demand planning of Styrene Plastics
- Food and beverages
- Scheduling of synthetic granulate
- Event-based planning for standard polymer products
- Conclusions and Outlook

Day 5

Supplement

- Forecast methods
- Forecasting of seasonality and trend
- Initialization of trend and seasonal coefficients
- Linear and mixed integer programming
- Genetic algorithms
- Constraint programming

➤ **The Feature Of Asia Master Training And Development Center**

- we pick up the customer from the airport to the hotel.
- we give the participant training bag includes all the necessary tools for the course.
- Working within groups to achieve the best results.
- All our courses are confirmed and we do not postpone or cancel the courses regardless of the number of participants in the course.
- We can assist you in booking hotels at discounted prices if you wish to book through us.
- We offer the certificate from Asia Masters Center for Training and Administrative Development.

➔ **The Cost Of The Training Program Includes The Following:**

- 1) Scientific article on flash memory.
- 2) Training Room.
- 3) Training.
- 4) Coffee break.
- 5) The training bag includes all the tools for the course.



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Price (USD)

Communicate with the training department
to know the participation fees

➤ **There are offers and discounts for groups**

The details of the bank account

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