

DAY 1

Industry 4.0 and Its Impact on Supply Chain

- Industry 4.0 introduction
- Industry 4.0 drivers and impacts
- Supply chain and logistics within the Industry 4.0
- Vision of the Supply Chain 4.0 and the future of logistics

DAY 2

Big Data in Supply Chain and Logistics

- Big Data 5V's in supply chain and logistics
 - Volume
 - Velocity
 - Variety
 - Value
 - Veracity
- Sources of Big Data within the supply chain and logistics
- Data driven supply chain optimization (*K-means, Apriori, Aykin and Babu algorithms*)

DAY 3

Supply Chain Optimization

- Framework oriented on customer requirements
- Optimizing the sell operations
- Optimization of distribution
- Optimization of inventory management

DAY 4

Optimization of Manufacturing Process

- Optimizing product design and innovation
- Optimizing the production process
- Big Data analysis of logistics activities
- Using created models as agents for future models creation

DAY 5

Integration of Modern Software with Existing ERP Software

- The AnyLogic cloud
- Interoperability of AnyLogic and AnyLogistics with ERP software platforms
- RFID and vehicle tracking systems connectivity
- Data extrapolation for faster analysis and computation