

**Project: Technology Trends in Distribution and Logistics**

**Course**

Supply Chain Management II

**Objectives**

Student will research technology trends in distribution and logistics and create a comprehensive catalog of trending applications

**TN State CTE Standards**

**Distribution and Logistics Technology #8**

Research the different applications of computers and programmable controllers in managing distribution and logistics operations. Find examples of the software and technology used for those applications. Create a catalog sorted by type of application that includes the following: a. A generic description of the purpose of each type of software/technology included. Possible categories to include are electronic commerce (e-commerce), barcode software, enterprise resource planning (ERP), distribution resource planning (DRP), a people process (such as SIOP), and electronic data interchange (EDI). b. An entry for each specific software/technology that falls in the application category, which includes graphics, product description, key features, best uses, and a link to the product website. c. A description of how each software plays into short- and long-term distribution and logistics decision making.

**Due Date - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Grading**

Project will be graded using the Project rubric and will be worth **100 points**.

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**Pre-Project Activities**

* Complete the Reading: *Emerging Technologies Shaping the Future of Logistics*
* Watch the following videos and take notes:

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| Video: Explore the Supply Chain Lab for Logistics and Supply Chain Management (ESES) - <https://mediacenter.ibm.com/media/Explore+the+Supply+Chain+Lab+for+Logistics+and+Supply+Chain+Management+%28ESES%29/0_8xdalebm> |
| Video: The Robot Revolution: The New Age of Manufacturing | Moving Upstream - <https://www.youtube.com/watch?time_continue=30&v=HX6M4QunVmA&feature=emb_logo> |
| Video: Logistics 4.0 - Augmented Reality Use Cases  <https://www.youtube.com/watch?time_continue=1&v=3YqaRrzkM4c&feature=emb_logo> |

* Complete the Activity: Cracking the Code (Computerized Barcodes)

**Project Activities**

* Research different applications of computers and programmable controllers in managing distribution and logistics operations.
* Create a catalog sorted by type of application that includes a generic description of the purpose of each type of software/technology included, graphics, key features, best uses, link to the product website, and a description of how application impacts distribution and logistical decision-making.
* Possible categories to include:
  + E-Commerce
  + Barcode Software
  + Augmented Reality
  + Drone Delivery
  + Robotic Automation
  + Enterprise Resource Planning (ERP)
  + Distribution Resource Planning (DRP)
  + Electronic Data Interchange (EDI)
* Document must be emailed to [kavasschs@gmail.com](mailto:kavasschs@gmail.com) no later than the assigned due date