

Applying Theory to Practice with Manufacturing Simulation

Delfoi Planner Edu is a web-based learning environment for production and operations management courses dealing with production control and planning. Target customers include Institutes and Universities training operations management / production planning and control. Delfoi Planner Edu is based on Delfoi Planner platform modified for learning.

LEARNING AREAS

Practicing the job of a production scheduler. Evaluation of various production system improvements and production control environments .

DELFOI PLANNER EDU PACKAGE INCLUDES 8 READY MADE EXERCISES

1. Production scheduling job
2. Production set-up times
3. Master Production Scheduling (MPS) approaches
4. Quality effects
5. Investment decisions
6. Material planning
7. Product standardization
8. A 4-week period, including material requirements planning (MRP)

Each exercise consists of two to four parts related to the topic. It takes, on average, four hours to do the simulation runs, improve the results and answer the exercise questions, if all the parts are completed.

DELFOI PLANNER EDU DELIVERY INCLUDES

- A 3D Quest simulation model of the example production environment
- A database where the results of simulation runs are stored
- Ready-made exercises that can be done through user interface without any knowledge of simulation language or software.
- A browser-based user interface through which results are viewed and all production control actions are taken.
- A configuration client for lecturer to check the results of all students and to manage student logins.
- Comes with a complete set of a student guides and a teacher's guide (+documentation and installation CD).
- All exercises use a real electronics production line model including SMD machine(s), testers, component and module buffers and a burn-in oven taken from an actual Delfoi customer scenario.

