

# Basic Training for ExtendSim & Modeling Techniques *Applied* Workshop

## QMT GROUP

Providers of Training & Coaching

*Our job is to make sure you get it!*

### LEARN HOW TO...

- Build and run ExtendSim simulation models
- Model processing, batching & unbatching, and routing
- Create and use item properties
- Manage model data
- Use animation effectively
- Model resources and resource schedules
- Create simple user interfaces
- Improve the readability and usability of models
- Interpret model results
- Debug effectively

### ... ON YOUR PROJECT!

### ON-SITE DELIVERY

Our corporate trainers work with you in creating a customized solution that will achieve the goals and objectives of your organization. Workshops can be scheduled at your convenience.

We also provide *one-on-one* training!

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This custom 5 day hands-on workshop covers the basics of discrete event simulation modeling using ExtendSim applied to your simulation project. This workshop includes two modules: 3 days for Basic Training and 2 days for Modeling Techniques.

### Basic Training for ExtendSim

(3 days)

Students build, run, and analyze a model on Day 1. On subsequent days, they explore additional ExtendSim modeling components and features.

Topics include:

- Understanding fundamental simulation concepts
- Basic item and value handling blocks
- Working with item properties such as attributes and priorities
- Creating, editing, and accessing an ExtendSim database
- Routing, batching and unbatching items
- Presentation features including hierarchy, cloning, and 2D animation
- Using and scheduling resources
- Working with equation blocks
- Advanced processing and queuing concepts

### Modeling Techniques *Applied to Your Project*

(2 days)

This module takes the concepts learned in the Basic Training module and applies them to a project you know well: your own project. Building a model from the ground up gives time to apply the concepts they have just learned. With expert coached by the instructor, you'll acquire and apply more advanced concepts to your model, gaining expertise in appropriate analysis techniques. Topics include:

- Expanded work on building models *using your project*
- Applying optimization in ExtendSim
- Understanding basic simulation statistics
- Validation and verification techniques
- Data management and exchange with an ExtendSim database
- Debugging and trouble-shooting

### Who Should Attend

This course is designed for Engineers, Managers, System Analyst, and others who want to learn simulation modeling and/or get up to speed quickly with ExtendSim. It is appropriate for those who are new to ExtendSim 7 as well as for beginning and intermediate simulation modelers.

### Materials are provided by and authorized by Imagine That Inc.

Basic Training & Modeling Techniques for ExtendSim Manual  
ExtendSim User Guide  
Exclusive case study models

