Supply Chain and System Simulation Laboratory

Home pages of Software packages developed in house

List of software packages

- 1. Supply Chain Role Play Game
- 2. Vendor Managed Inventory-Based Supply Chain Role Play Game
- 3. Real-time Collaborative Supply Chain Role Play Game Using Google Spreadsheet
- 4. Supply Chain Inventory Policy Analyser
- 5. Performance Analysis of a Serial Supply Chain under Different Inventory Policies
- 6. Layout Planning
- 7. Manufacturing System Simulator for Performance Evaluation
- 8. Material Requirement Planning (MRP) Package





VENDOR MANAGED INVENTORY BASED SUPPLY CHAIN ROLE PLAY GAME

Login

About VMISCRPG

VMI-Based Supply Chain Role Play Game is a simulation game for a serial-supply chain. At a time, many teams(comprising four players each) can play the game.

We recommend you to use Mozilla Firefox 4.0(or above) OR Google Chrome 9(or above) OR Opera to successfully make use of this application; with Javascript and Cookies Enabled

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We request you to, first install any of these browsers, if you are not having any of them.

(Installer for Firefox-9.0 is provided with this application Get it here)

See below for current status of your browser :

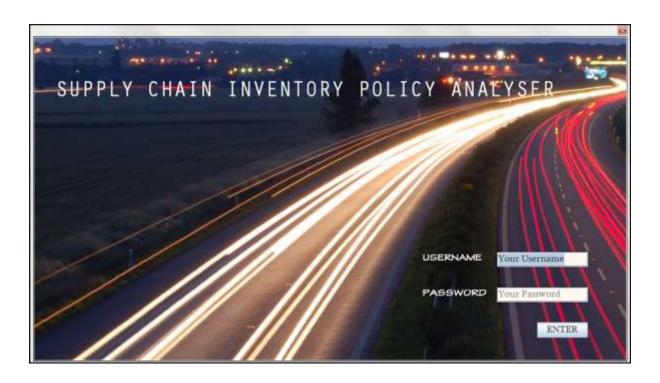
You're using Chrome 26 on Windows, with Cookies & Javascript Enabled: true !

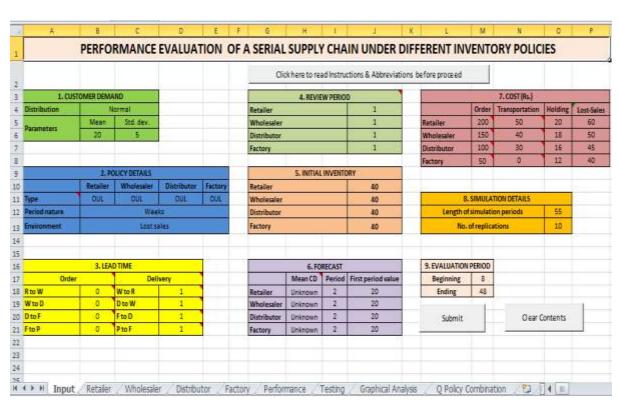
May 02, 2013 | © Copyright 2012 Supply Chain Role Play Game | Developed at BIT Calicut, India | Admin Login

2015

Real-time
Collaborative Supply
Chain Role Play Game
Using Google
Spreadsheet







Create Layout Prevous Layout

Contact Help

Layout planning software package allows the user to specify the locations of departments/facilities and calculates material handling cost for the proposed layout. Also, this package can generate random layout and the respective cost for material handling can be calculated.

The package uses MATLAB codes for developing a good layout showing relative location of the departments. The codes developed are for the Quadratic Assignment Formulation (QAP) of the Layout problem and the solution procedure used is Simulate Annealing (SA) algorithm. Rectilinear distance measures are used and unit size departments are assumed. However, the package displays the solution with actual size of department. Also, the package allows to use alsies between departments, and rearranging of departments (swapping of two departments) to meet the practical requirements. The material handling cost of the generated layout is displayed immediately. Thus, this package helps the layout designer to choose appropriate layout.



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