TUTORIAL – SESSION 7
IMPLEMENTATION OF THE VRP PROBLEM
(VEHICLE ROUTING PROBLEM)

SESSION 7: SQL SERVERS

OPTΣX Mathematical Modeling System

TUTORIAL BASIC

1. **SESSION 1: INTRODUCTION**
   - Introduction to OPTEX (Section 1)
   - OPTEX-EXCEL-MMS (Section 2)
2. **SESSION 2: VRP MODELING IN EXCEL**
   - VRP: Vehicle Routing Problem (Section 3)
   - Implementing VRP Model using EXCEL (Section 4)
3. **SESSION 3: USING EXCEL TO LOAD DATA**
   - Industrial Data Information Systems –IDIS- (Section 5)
4. **SESSION 4: OPTEX-GUI – LOADING MODELS**
   - Loading the Model in OPTEX-MMIS (Section 6)
   - Verification of the Model in OPTEX-MMIS (Section 7)
5. **SESSION 5: Loading and Checking Industrial Data**
   - Implementation and Validation of IDIS- (Section 8)
6. **SESSION 6: Solving Mathematical Models**
   - Scenarios and Families of Scenarios (Section 9)
   - Solution of Mathematical Problems (Section 10)
   - Results Information System (Section 11)
7. **SESSION 7: SQL Servers**
   - Using SQL Servers for IDIS (Section 12)
8. **SESSION 8: Optimization Technologies**
   - Solving Problems using C (Section 13.1)
   - Solving Problems using GAMS (Section 13.2)
   - Solving Problems using IBM OPL (Section 13.3)

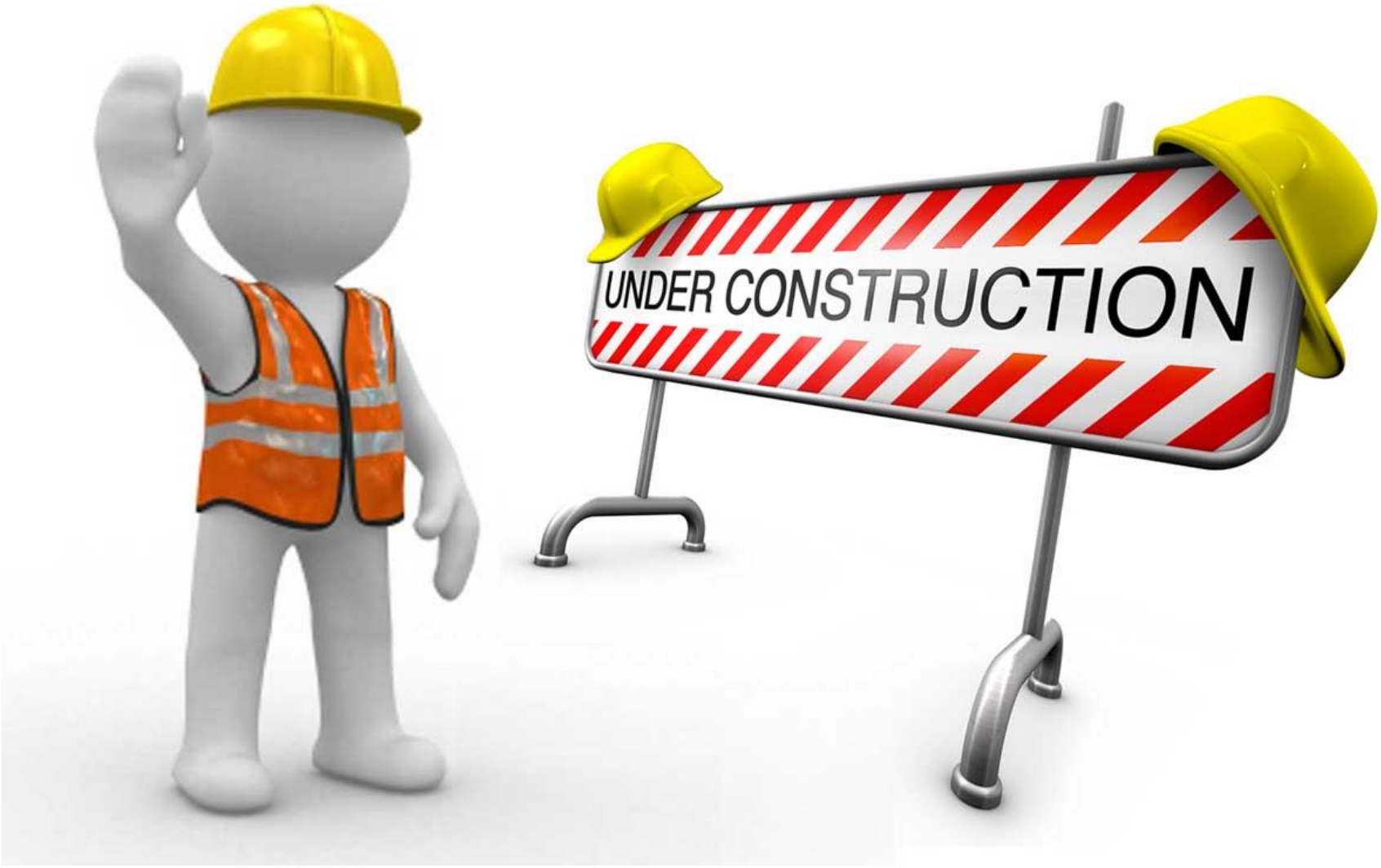
OPTEX Mathematical Modeling System

TUTORIAL
IMPLEMENTATION OF THE VRP PROBLEM
(VEHICLE ROUTING PROBLEM)

TUTORIAL
BASIC

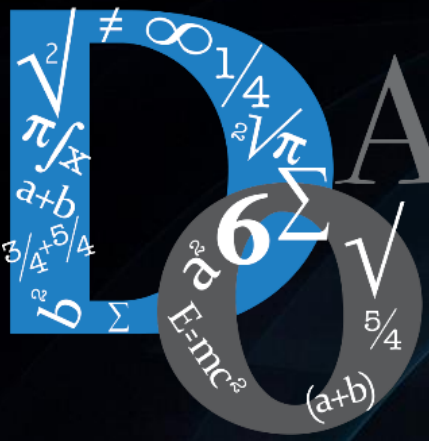
7. SESSION 7: SQL Servers

- Using SQL Servers for IDIS (Section 12)



Analytics

COMING SOON



Analytics

"the computer-based mathematical modeling is the greatest invention of all times"

Herbert Simon
First Winner of Nobel Prize in Economics (1978)

"for his pioneering research into the decision-making process within economic organizations"