Advent2 Labs
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ADVENT2 LABS CONSULTATION PTE LTD

FlexSim HealthCare Simulation On-line Training
Course 1 Level 1 (FHC01_01)

Course Description

The training provides participants with a thorough understanding and hands-on experience in the fundamentals use of the main features provided in **FlexSim** HealthCare Software.

Course Duration: 2 full-day

Objective:

Upon Completion of the Course, participants will be able to:

- Build models for analysis using the **FlexSim** HealthCare Software
- Import customised backgrounds and 3D shapes for use in the **FlexSim** HealthCare models.
- Generate charts and dashboards for reports
- Perform experiments for different scenarios for analysis

Course Breakdown:

Introduction to Simulation and **FlexSim** HealthCare Simulation.

In Part I, participants will learn what simulation is all about, what it can and cannot do. Thereafter, they will learn to navigate around **FlexSim** HealthCare Simulation Software; understand the basic terminology and functions; build simulation models and generate desired data.

Throughout this course, participants will build **FlexSim** Healthcare models phase by phase, build on from the earlier model. This will ensure in-depth understanding of model building concepts and skills.

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Course Outline:

1.   Introduction to Simulation

1.1   What is Simulation

1.2   What Simulation can do and cannot do

1.3   Model Input & Model Output

2.   Introduction to FlexSim Healthcare 2020

2.1.   FlexSim Healthcare concepts and terminology

2.2.   Patient Track

2.3.   Basic Steps of Modeling

3.   Build a Baseline Model

3.1.   Develop Layout

3.2.   Create Patient Flow

3.3.   Patient Processflow

3.4.   Run Simulation

3.5.   View Results

4.   Incorporate A* Navigator

4.1.   Create A* Network

4.2.   View with Added Divider

5.   Statistical distribution, Appointments & Staff Schedule

5.1.   Probability Distribution

5.2.   Appointments

5.3.   Staff Schedule

5.4.   Time table Interface

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Course Outline: (Cont'd)

6. Model with Non-Patient related Activities
6.1. General flow
6.2. Housekeeping, maintenance, phone answering

7. Model with Decision-based Activities
7.1. Decide Activity
7.2. Split / Join Activity
7.3. Two Staff-Meet Activity

8. Model to Manage Different Patient Type
8.1. Set Label
8.2. Acute Patient Flow
8.3. Staff Request: Priority and Pre-empt

9. Conduct Simulation Experiments
9.1. Experimenter
9.2. Scenarios testing