Abstract

Simulation is actually a virtual design of a system over a span of time to understand how the conditions, parameters, factors or assumed circumstances would affect the system in question in the real time. Simulation finds application in various areas -- healthcare is one among them. This paper attempts to replicate a scenario of a hospital emergency room and through experimental results shows how it would perform in real time. The paper also discusses the steps involved in designing a simulation model, different software tools available for simulation
and also few limitations of simulation.

References


Index Terms

Computer Science

Bio-medical

Keywords

Simulation, Arena, Waiting Time, Utilization