

## Model of System

- i). In the simulation we study about the behavior of the system.
- ii). Roughly speaking a system, it is a collection of the distinct objects which interact with each other to perform a specific task or job.
- iii). In order to study a system, we generally get the relevant information about the system in the field of simulation.
- iv). For more study, it is necessary to consider all the details of the system. And only relevant information is sufficient to study the behavior of the system. Such a collection of relevant information about the system is called a **model of the system**.
- v). The construction of an appropriate model of a system under study is a delicate and all-important affair in simulation.
- vi). We study the behavior of the system with the help of the system model in simulation.
- vii). For the purpose of most studies, it is not necessary to consider all the detail of a system.
- viii). So a model is not only a substitute for a system, it is also a simplification for the system.