1. Objectives

This proposed research DMMRACE will address optimization model of lease scheduling, lease requirements and its several dimensions in Infrastructure as a Service (IaaS) cloud environment. Mainly the research work will focus on the scheduling leases using fuzzy logic based knowledge based system.

a. The lease types, their behavior, and frequency spectra will be analyzed in virtualization based environment created using open source hypervisors.

b. The software based user interface will be created for ease of use.

c. Formation of equations, their working constrains, boundary conditions will be defined in the form of corollaries.

d. Uncertain leases and their behavior perhaps can be modeled.