***Dynamic Resource Allocation Using Virtual Machines for Cloud Computing Environment***

Before Executing this Project we should do following steps:

Step 1: we should set these environmental variables

CATALINA\_HOME : E:\apache-tomcat-7.0.22

JRE\_HOME : C:\Program Files\Java\jre7

Step 2: Run Server access java Program in all the server and run tomcat server.

* Operating System : Windows XP, Windows 7
* Programming Package :Jdk 1.6 , Jdk 1.7
* Frontend Design : J2EE –Servlets,jsp
* Backend : Ms-SQL
* Server : Tomcat 6.0 ,7.0

In this Project we need at least two or three system to see full demo.

First step of this project is we should run the server.

Then, while adding server we will get all server details like CPU usage, memory usage, etc ….

Based on the usage of server spot will be desired.

If user going to access application. Based on Prediction Algorithm Server is selected.

If the server spot is not hot spot, the application runs in that server. Else by using Skewness algorithm server will be selected.

By using Green computing algorithm, if any server is not using means if it is idle that server will be shut down.