

CS8711 CLOUD COMPUTING LABORATORY

DETAILED SYLLABUS

OBJECTIVES:

- To develop web applications in cloud
- To learn the design and development process involved in creating a cloud-based application
- To learn to implement and use parallel programming using Hadoop

LIST OF EXPERIMENTS

1. Install Virtual box/VMware Workstation with different flavours of linux or windows OS on top of windows7 or 8.
2. Install a C compiler in the virtual machine created using virtual box and execute Simple Programs
3. Install Google App Engine. Create hello world app and other simple web applications using python/java.
4. Use GAE launcher to launch the web applications.
5. Simulate a cloud scenario using Cloud Sim and run a scheduling algorithm that is not present in Cloud Sim.
6. Find a procedure to transfer the files from one virtual machine to another virtual machine.
7. Find a procedure to launch virtual machine using try stack (Online Open stack Demo Version)
8. Install Hadoop single node cluster and run simple applications like wordcount.