

DEPARTMENT OF INFORMATION TECHNOLOGY

IT8711 FOSS AND CLOUD COMPUTING LABORATORY

R-17

LIST OF EXPERIMENTS

- Use gcc to compile c-programs. Split the programs to different modules and create an application using make command.
- Use version control systems command to clone, commit, push, fetch, pull, checkout, reset, and delete repositories.
- Install Virtualbox/VMware Workstation with different flavours of linux or windows OS on top of windows 7 or 8.
- Install a C compiler in the virtual machine created using virtual box and execute Simple Programs
- Install Google App Engine. Create *hello world* app and other simple web applications using python/java.
- Use GAE launcher to launch the web applications.
- Simulate a cloud scenario using CloudSim and run a scheduling algorithm that is not present in CloudSim.
- Find a procedure to transfer the files from one virtual machine to another virtual machine.
- Find a procedure to launch virtual machine using trystack (Online Openstack Demo Version)
- Install Hadoop single node cluster and run simple applications like wordcount.
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Estd - 2001