

DEPARTMENT OF INFORMATION TECHNOLOGY

Name of the Lab: FOSS AND CLOUD COMPUTING LABORATORY

OBJECTIVES:

- To learn and develop applications using gcc and make
- To learn and use version control systems
- 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

OUTCOMES:

Upon Completion of the course, the students will be able to:

- Configure various virtualization tools such as Virtual Box, VMware workstation.
- Design and deploy a web application in a PaaS environment.
- Learn how to simulate a cloud environment to implement new schedulers.
- Install and use a generic cloud environment that can be used as a private cloud.
- Manipulate large data sets in a parallel environment.

Estd - 2001