

	CO4						M	M	H
	CO5						M	M	H

List of the Practicals:

1. Installation of Linux OS (CentOS)

- Explain the steps to Install the Linux OS

2. Demonstrate Working with Directories in Linux (*pwd, cd, absolute and relative paths, ls, mkdir, rmdir, file, touch, rm, cp, mv, rename, head, tail, cat, tac, more, less, strings, chmod*)

3. Demonstrate Working with Files in Linux (*ps, top, kill, pkill, bg, fg, grep, locate, find, date, cal, uptime, whoami, finger, uname, man, df, du, free, whereis, which*)

4. Installation of Windows Client OS

- Explain the steps to Install the Client OS
- Install a Virtual Machine with Windows Client OS

5. Managing Windows Client OS

- Explain the steps to Create Users and Groups
- Demonstrate the usage of Devices and Printers
- Demonstrate the usage of Disk Management Console

6. Installation of Windows Server OS

- Explain the steps to Install the Server OS
- Install a Virtual Machine with Windows Server OS

7. Managing Windows Server OS

- Demonstrate how to Install Roles and Features
- Demonstrate the Usage of Server Storage Management
- Explain the various Management and Monitoring requirements
- Explain the Backup Types and steps to take Backups

Reference Lab Manual:

Lab Requirements – Linux

- CentOS Linux ISO

Lab Requirements - Windows

- Windows 10 Evaluation – 90 Days

- Windows Server 2019 Evaluation – 180 Days
- Windows Server 2016 Evaluation – 180 Days
- **CentOS Linux**
 - Installation Guide
 - CentOS Overview
 - Basic CentOS Linux Commands
 - File and Folder Management
- **Windows 10**
 - Windows 10 – Tutorials Point
 - Windows 10 Tutorial
- **Windows Server 2016**
 - Windows Server – Channel 9
 - Windows Server Administration for Beginners
 - Windows Server 2016 Tutorial Step by Step Full
 - Windows Server 2016 Administration Full Course
 - Windows Server deployment, configuration, and administration

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**PARVATHANENI BRAHMAYYA
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Re-accredited at 'A+' by the NAAC

23CGMAP122: Operating Systems Lab

Offered to: B. Sc. Honours (Computer Science with Cognitive Systems) Semester: II
Max. Marks: 50 (CIA: 15 + SEE: 35) Hrs/Week: 2

Model Paper : Practicals

Time: 3 Hrs. Max.
Marks: 35

Section – A

- | | |
|----------------------|----|
| 1. Experiment-1
M | 15 |
| 2. Experiment-2
M | 10 |

Section - B

Viva Voce
M

10

CONTINUOUS ASSESMENT: (Internal)

15 M

Total

50Marks

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