UNIT 1 – INTRODUCTION TO LINUX

1. Introduction to Linux Operating System.

2. Features of Linux.

3. Architecture of Linux.

4. Advantages of Linux over other OS.

5. Applications of Linux.

UNIT 2 – MANAGING FILES AND DIRECTORIES

1. Linux file system structure.

2. Directory commands in Linux.

3. File commands in Linux.

4. Absolute and relative paths.

5. Hidden files.

6. File types in Linux.

UNIT 3 – VI EDITOR & DOCUMENT MANAGEMENT

1. Text editors in Linux.

2. Vi editor – modes of operation.

3. Creating and editing files using vi editor.

4. Saving and quitting vi editor.

5. Locating files in Linux.

6. Standard files.

7. Input and output redirection.

8. Filters.

9. Pipes.

UNIT 4 – SECURING FILES & SHELL VARIABLES

1. File access permissions.

2. Viewing file permissions.

3. Changing file permissions using chmod.

4. Shell scripting introduction.

5. Local and global shell variables.

6. Command substitution.

7. Automating tasks using shell scripts.

UNIT 5 – CONDITIONAL & ITERATIVE SHELL SCRIPTS

1. Conditional execution in shell scripts.

2. if statement in shell scripts.

3. case…esac construct.

4. Iteration in shell scripts.

5. while loop.

6. until loop.

7. for loop.

8. break and continue commands.

9. Simple shell script programs.