**SIR C.R.REDDY COLLEGE OF ENGINEERING**

**ELURU – 534 007**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**OPERATING SYSTEMS**

**LABORATORY MANUAL**

**II/ IV B.Tech (CSE): I - SEMESTER**



**2021-22**

**LAB OBJECTIVE:**

Upon successful completion of this Lab the student will be able to:

* To use Unix utilities and perform basic shell control of the utilities
* To use the Unix file system and file access control
* To use of an operating system to develop software
* Students will be able to use Linux environment efficiently
* Solve problems using bash for shell scripting

**GENERAL INSTRUCTIONS TO STUDENTS**

1. Students should be regular and come prepared for the lab practice.

2. In case a student misses a class, it is his/her responsibility to complete that missed experiment(s).

3. Students should bring the observation book, lab journal and lab manual.

Prescribed textbook and class notes can be kept ready for reference if required.

4. They should implement the given experiment individually.

5. While conducting the experiments students should see that their programs would meet the following criteria:

* Programs should be interactive with appropriate prompt messages, error messages if any, and descriptive messages for outputs.
* Programs should perform input validation (Data type, range error, etc.) and give appropriate error messages and suggest corrective actions.
* Comments should be used to give the statement of the problem and every function should indicate the purpose of the function, inputs and outputs
* Statements within the program should be properly indented
* Use meaningful names for variables and functions.
* Make use of Constants and type definitions wherever needed.

6. Once the experiment(s) get executed, they should show the program and results to the instructors and

copy the same in their observation book.

7. Questions for lab tests and exam need not necessarily be limited to the questions in the manual, but

could involve some variations and / or combinations of the questions.

Note: Above mentioned instructions can be modified based on the context of the lab.