**SYLLABUS FOR B.E V/VI- SEMESTER**
**INTRODUCTION TO LINUX**
**(Open Elective – IV/VI)**
**(for other Branches)**

| Instruction:1Hrs/ week | SEE Marks : 50 | Course Code :OE510IT |
|---|---|---|
| Credits : 1 | CIE Marks:30 | Duration of SEE : 2 Hours |

| Course Objectives | Course Outcomes |
|---|---|
| **The course will enable the students to:** | **At the end of the course student will be able to:** |
| Acquire basic skills for using Linux operating system. | 1. Install Linux operating system and use desktop environment.<br>2. Identify and use Linux utilities to create and manage simple file processing operations.<br>3. Organize directory structures with appropriate security.<br>4. Configure and use Linux shell. |

**Unit I**
Introduction to Linux, Installing Linux, Running Linux from USB Drive, Understanding X Windows System and Desktop, Navigating through Linux Desktop and Managing files. Understanding Linux file system, listing files and directory attributes, Making files and directories, Listing and changing permissions and ownership.

**Unit II**
Understanding the Linux Shell, Understanding aliases, Using the shell from console or terminals, using command history and tab completion, Connecting and expanding commands, Creating aliases, Making shell settings permanent, Using man pages and other documentation.

**Learning resources**
Introduction to Linux – A Hands On Guide, MachteltGarrels.
https://linuxjourney.com/