

About the Department:

Department of CSE, VMTW has started B.Tech in Computer Science and Engineering in the year 2008 with an intake of 90. The scholarly ambiance in CSE Department is encouraging to the complete development of the students with well-equipped labs. Department has dedicated and professionally well competent faculty and the many of the faculty are pursuing Ph.D. in emerging areas like Artificial Intelligence, Machine Learning, Cyber Security, Data Science and Block Chain. The main objective is to prepare the students to be successful in Computer Science Engineer to meet the industry needs, encourage lifelong skills and strengthen research.

Course Modules:

Module 1: A brief history of LINUX, architecture of LINUX, features of LINUX, introduction to vi editor. Linux commands- PATH, man, echo, printf, script, passwd, uname, who, ls, cp, mv.

Module 2: Linux Session, Standard Streams, Redirection, Pipes, Tee Command, Command Execution.

Module 3: Introduction to UNIX file system, inode (Index Node), file descriptors, system calls and device drivers.

Module 4: Process, process identifiers, process structure: process table, viewing processes, system processes, process scheduling, starting new processes.

Module 5: Pipe, process pipes, the pipe call, parent and child processes, and named pipes: fifos, semaphores: semget, semop, semctl, message queues.

Course Objectives:

1. To learn principles of operating system including File handling utilities.
2. To familiarize fundamentals of the Bourne again shell (bash), shell programming.
3. To understand file concepts kernel support for file.
4. To learn Inter process communication.
5. To understand semaphore and shared memory.

Expected Outcomes:

At the end of the course, students will have the ability to:

- Understand the basic commands of linux operating system and can write shell scripts.
- Create file systems and directories and operate them.
- Create processes background and fore ground etc..by fork() system calls.
- Create shared memory segments, pipes, message queues and can exercise interprocess communication.
- Understand the concepts of process, threads and file structure.



Resource Person:

Mrs. M. Parimala,

Assistant Professor, CSE,
CMR Institute of Technology,
Hyderabad.

Co-ordinator:

Mrs. D. Deepthi Sri,

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Last Date For Registration: 30th Dec, 2017



VIGNAN'S

INSTITUTE OF MANAGEMENT AND TECHNOLOGY FOR WOMEN

(Sponsored by Lavu Educational Society)

Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad.

Kondapur (V), Ghatkesar (M), Medchal - Malkajgiri (D) - 501 301



ADD-ON COURSE ON

**“LINUX
PROGRAMMING”**

2ND TO 8TH JAN, 2018

Duration of the Course: 36 Hrs

Venue:

**‘A’-Block Seminar Hall,
VMTW.**

PRINCIPAL

Vignan's Institute of Management & Technology For Women
Kondapur (V), Ghatkesar (M), Medchal-Malkajgiri (D)
Telangana State

Organized By:

**DEPARTMENT OF
COMPUTER SCIENCE AND ENGINEERING**