## MODULE-1

- 1] UNIX Associatecture (kernell by shell relationship)
- 2] sallent features of UNIX
- 3] Basic UNIX commands = Edo / points.
- 4] Internal and External commands
- b] mudis 4 xmdis., puod, cd, man
  - 6] Basic File categories and tile Types
- 7] Absolute and relative pathnames
- 8) parent-child relationship 9] - File related commands - cot, m, m, up, we god

- 1] File attributes LS command.
- 2] changing file permissions absolute by ruletive pourusion
- 3] wild cands
- 4] Standard files in UNIX 5] - greep command.
  - 6] if and while control statements
  - 7] Escaping and quoting
  - 8] Shell perogram to create simple calculatogs.

IJ- Cremonal unix file APIs.

2] - File and Record Locking

3] - sergel and FIFO File APIS.

4] - Symbolic Link File APIs.

5] - Memory Layout of Cpriogram

() - Josh, vfork by out, wait, waited, wait3

7] - Race condition by polling.

8] - Procen Termination

9) - Peroces creation.

10)- setjimp a longjimp, getalinut ay setalinuit

11) - UNA Keemel support for processes

MODULE-4

J- Changing user IDs and biscoup IDs, process aucumning 4

2)- IPC Methods Pipes.

Popen and pilos functions

FIFOS.

Message queues

Semanlagues

Suptem V IPC.

3] - Shared memory -> Went - somer interaction.

## MODULE-5 1] - Signals - UNIX supposed for signals. 2] - Signal Mash - WAP 3] - SIGCOULD Signal.

- h) sigseljup and sigling Jump.
- 5)- kill () NPI and alasm () API.
- 6] POSIIX. 16 Timers
- T)- busines processes Characteristics
  T coding scales
  T Execus Logging
  Ulient scales hadde