



Information Technology

Vision: To Visualize the creation of skilled, proficient IT professionals to meet current challenges.

Mission:

- To encourage young minds for training & entrepreneurship.
- To convey standard education with rapidly changing environment with ethical values.
- To provide an environment where students can continuously learn, apply & communicate knowledge.

Name Of Program :- Diploma in Information Technology

Date :-

Course Title :- Operating System (22516)

Sem-V (2023 -24)

Course Outcome :- OSY Chapter Name :- Services and components of Operating System.

Assignment No:-2

- Q.1 Write short note on Protection and security.
- Q.2 List any 4 system calls for device management.
- Q.3 Draw and explain structure of unix operating system.
- Q.4 Draw and explain microkernel operating system structure.
- Q.5 Draw and explain monolithic structure of os.

Last Date of Submission :-

Course Coordinator :- Mrs. Samika Patil (SYIF)



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Course Outcome :- OSY

Chapter Name :- Process management.

Assignment No:-3

Q.1 Define process management.

Q.2 What is process scheduling.

Q.3 Explain blocking and non blocking in synchronization.

Q.4 Explain users and kernel threads.

Q.5 Explain process termination in detail.

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Course Outcome :- OSY

Chapter Name :- CPU Scheduling and algorithms.

Assignment No:-4

Q.1 Define scheduler.

Q.2 State and explain CPU scheduler.

Q.3 List scheduling algorithms.Explain any 1 with example.

Q.4 Write any 2 disadvantages of priority based scheduling.

Q.5 Explain the conditions for deadlocking.

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Course Outcome :- OSY

Chapter Name :- MEMORY MANAGEMENT.

Assignment No:-5

Q.1 State and describe different memory management techniques.

Q.2 Explain “Bitmap” free space management techniques.

Q.3 What is meant by page fault.

Q.4 What is virtual memory.

Q.5 Explain the concept of page replacement.

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