

Case Study Report Format

Page layout **A4**

Font Size

Heading 1 → 16

Heading 2 → 14

Heading 3 → 12

Paragraph → 12

Line Space → 1.5

Reference structure **IEEE**

Document Structure

1. Cover Page
2. Table of Content
3. Introduction
4. History
5. Operating system structure
6. Process and Thread Management
 - a. Process creation, scheduling, and termination.
 - b. Thread management and concurrency.
 - c. Inter-process communication (IPC) mechanisms.
7. Memory Management:
 - a. Virtual memory implementation.
 - b. Paging and segmentation.
 - c. Memory allocation and deallocation strategies.
 - d. Handling memory fragmentation and swapping.
8. File System Management:
 - a. File system structure and organization.
 - b. File handling and directory management.
 - c. Disk management and storage allocation strategies.
 - d. File access control and permissions.
9. Security and Protection:
 - a. User authentication and access control.
 - b. Mechanisms to protect memory and system resources.
 - c. Encryption and security protocols.
10. Features of Operating system

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Thank You