

REPORT

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Title of the presentation - **EVOLUTION OF OS**

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INTRODUCTION:

The evolution of operating systems has been a fascinating journey, shaped by technological advancements and the ever-changing needs of users. From the early batch processing systems of the 1950s to the time-sharing systems of the 1960s, OS development was driven by the need for efficiency and resource management.

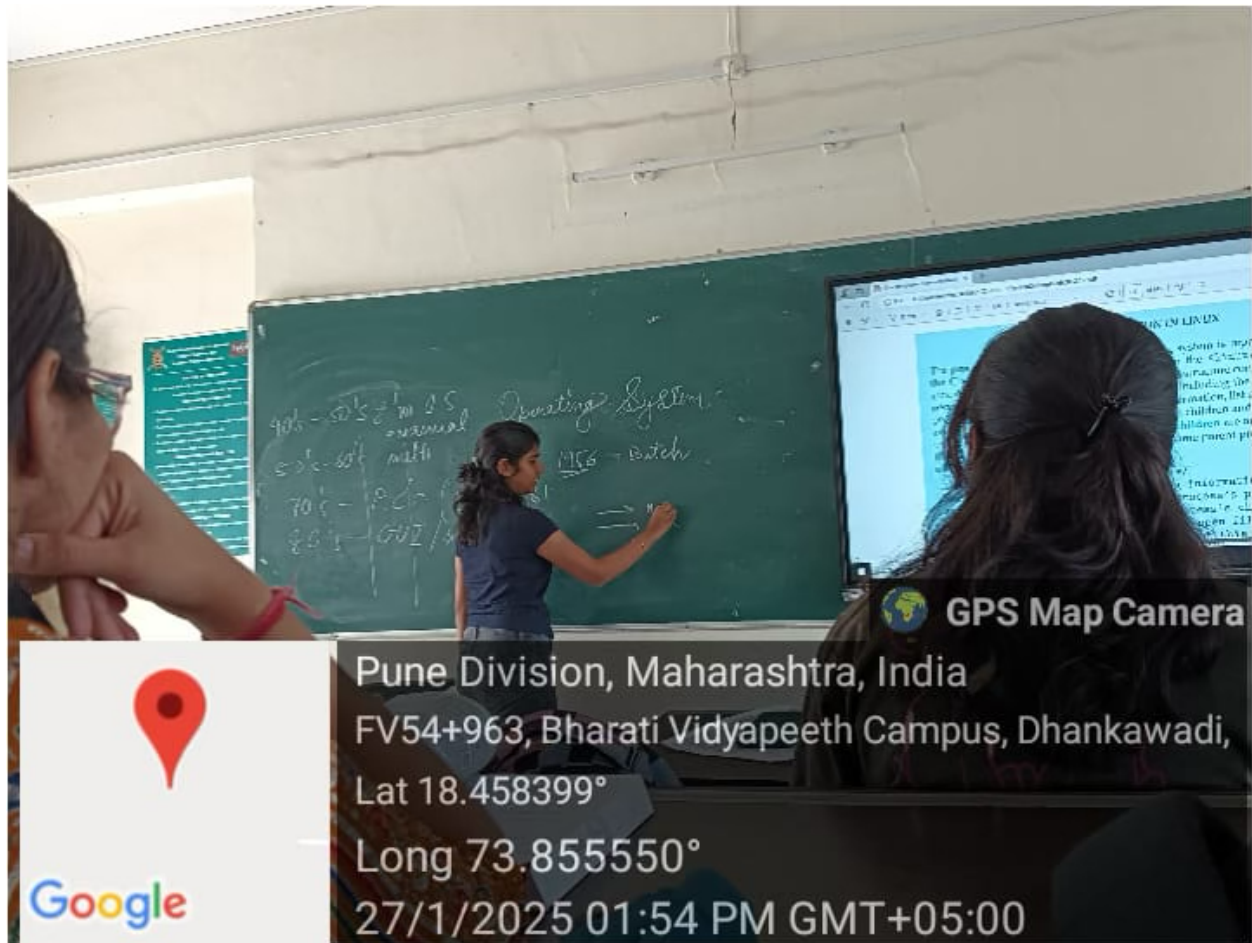
The emergence of multiprogramming and real-time systems in the 1970s paved the way for modern operating systems, allowing multiple tasks to run simultaneously. The 1980s and 1990s saw a significant shift with the rise of graphical user interfaces (GUIs), making computers more accessible.

With the advent of personal computing, networked environments, and mobile devices, operating systems like Windows, macOS, and Linux emerged, each catering to different user needs. Today, OS advancements focus on cloud computing, virtualization, AI integration, and security, ensuring seamless and secure digital experiences.

Through this presentation, I gained a deeper understanding of how operating systems have evolved not just as software but as an essential part of technological progress. Studying the historical shifts allowed me to appreciate the design choices behind modern OS architectures and how they balance performance, security, and usability.

The discussion on emerging trends, such as AI-driven OS optimizations and decentralized computing, also broadened my perspective on where the future of operating systems is headed. This learning experience has strengthened my grasp of system design principles and reinforced the importance of adaptability in technology.

GEO-TAG PHOTO :



CONCLUSION / OUTCOME :

The evolution of operating systems reflects the dynamic nature of technological advancements and user requirements. From basic batch processing to modern AI-powered and cloud-integrated systems, OS development has continually adapted to enhance efficiency, security, and user experience. Understanding this progression has provided valuable insights into system architecture, resource management, and emerging trends in computing.

This presentation deepened my appreciation for how operating systems are designed to balance performance, security, and usability. It also highlighted the importance of adaptability in software evolution, reinforcing the need to stay updated with new technologies. The knowledge gained will be beneficial in analyzing and working with different OS platforms in both academic and professional settings.