

EVOLUTION OF OPERATING SYSTEM

(1940s-1950s) - Early Beginnings

- # Computers operated without operating systems.
- # The first operating system was introduced in 1956. It was a Batch Processing System GM-NAA I/O (1956) that automated Job Handling.

1960s : Multiprogramming and Timesharing

- # Introduction of multiprogramming.
- # Timesharing systems, like CTSS(1961) and Multics(1969) were introduced.

1970s : Unix and personal computers

- # Unix(1971) pioneered portable, multitasking design.
- # PC growth led to CP/M (1974) and PC-DOS (1981).

1980s : GUI and Networking

- # GUIs rose to prominence with the Apple Macintosh (1984) and Microsoft Windows (1985).

1990s : Linux and Advanced GUIs

- # Linux (1991) introduced open-source development.
- # Windows and MacOS refined GUIs.

(2000s-Present) : Mobility and Cloud

- # Mobile OSs like iOS (2007) and Android (2008) dominate.
- # Cloud and virtualization thrive via Windows Server and Linux.

AI Integration - (Ongoing)

- # AI via Google Assistant boosts OS efficiency. It enables voice commands, predictive texts and personalization.