UNIT IV MEMORY SYSTEM

Basic concepts of Semiconductor RAMs - ROMs – Speed, Size and Cost – Cache memories – Performance consideration – Virtual memory – Memory Management requirements – Secondary storage.

Case Study: Memory Organization in Multiprocessors

REAL STRUTIONS

Recap the previous Class



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- Imaginary Memory, that's not physically there.
- used to provide an **illusion of presence of large main memory** to the programmer
- It represents a technique within an operating system (OS) for optimizing the speed and efficiency of your system to provide places to store the data you create and protect your data.



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S S S INSTITUTIONS





Virtual Memory

 Techniques automatically move program and data
block to the main memory
when they are required for
execution



Logical and Physical Address







Address Translation



Address Translation



Address Translation



