



VIDYA BHAWAN BALIKA VIDYAPITH

SHAKTI UTTAN ASHRAM, LAKHISARAI

INFORMATION TECHNOLOGY FOR CLASS 11

(Study material Based on N.C.E.R.T HANDBOOK)

RAUSHAN DEEP

DATE-30/12/2020

Types of Operating system

Operating systems can be classified in different ways; depending on various parameters.

Single-tasking and Multi-tasking Single Task Operating System : such operating systems allow execution of only a single program at any given instant. Multi-Tasking operating system can execute more than one program simultaneously. The processor time, in this case, is divided amongst various processes.

Single user and Multi-userSingle-user operating systems allow only one user to use the system. The desktop systems can be classified as typical single user systems

Multi-user operating systems allow many users to access the system by maintaining an account of all the registered users.

Real-Time Operating System:Operating systems which ensure that the response time is fixed are categorized as real-time operating systems. They are intended for applications where data needs to be processed quickly, without any significant delays. For example, an anti-aircraft missile system must fire as soon as it receives a signal from the enemy aircraft, before it leaves the bomb and flies away.

Batch Processing Systems :In a batch processing system, similar jobs are clubbed together and submitted as a block to the processor for execution. User intervention is minimal in such systems. The jobs are picked up one by one and executed.