**OS PROJECT**

* What is Hypervisor?

A hypervisor is a computer software that allows the physical host machines to create and operate multiple virtual machines. Each virtual machine is able to run its own programs and the hypervisor is responsible to securely allocate computer resources – memory, bandwidth, clock cycles, etc – between them. The Hypervisor is also sometimes known as the Virtual Machine Manager (VMM).

* Benefits of Hypervisor

Hypervisor allows secure distinct operating environment to be run without internal conflicts by individualizing the workload so that one environment does not affect the other. It is not dependent on the physical OS resources and applications which enables us to achieve a better level of computing performance, availability and scalability. VMM also reduces time consumption in testing and run-time debugging. It moreover, automates the management processes, resulting in low operational expenses.

* Types

There are two types of hypervisors:

1. Bare metal, native or type I hypervisors.
2. Embedded, hosted or type II hypervisors.