

NETWORKING & SYSTEM ADMINISTRATION LAB**Experiment No.: 1****Name: ARUN BABU****Roll No: 37****Batch: MCA-A****Date: 20-3-2022****Aim**

Prepare a comparison between study of specifications of desktop and server class computers.

Procedure**DESKTOP COMPUTERS**

A desktop computer is a personal computer designed for regular use at a single location on or near a desk due to its size and power requirements. The most common configuration has a case that houses the power supply, motherboard (a printed circuit board with a microprocessor as the central processing unit, memory, bus, certain peripherals and other electronic components), disk storage (usually one or more hard disk drives, solid state drives, optical disc drives, and in early models a floppy disk drive); a keyboard and mouse for input; and a computer monitor, speakers, and, often, a printer for output. The case may be oriented horizontally or vertically and placed either underneath, beside, or on top of a desk.

SERVER CLASS COMPUTERS

A server is a computer or system that provides resources, data, services, or programs to other computers, known as clients, over a network. In theory, whenever computers share resources with client machines they are considered servers. There are many types of servers, including web servers, mail servers, and virtual servers.

COMPARISON

SERVER	DESKTOP
<ul style="list-style-type: none">• It has multiple processes for faster access	<ul style="list-style-type: none">• It has a single processor in most cases
<ul style="list-style-type: none">• The files are stored at a secure location	<ul style="list-style-type: none">• The files are present at the individual's desktop
<ul style="list-style-type: none">• It has mirrored hard drives which have the backup of the data on the servers	<ul style="list-style-type: none">• It has a single hard drive, if it fails you lose the data
<ul style="list-style-type: none">• It requires more than one power supply	<ul style="list-style-type: none">• It has only one power supply
<ul style="list-style-type: none">• It is more secure to viruses, malware and cyber threats	<ul style="list-style-type: none">• It is vulnerable to viruses, malware and cyber threats
<ul style="list-style-type: none">• The hardware parts are costly	<ul style="list-style-type: none">• The hardware parts are not costly
<ul style="list-style-type: none">• It offers higher processing power, memory and storage	<ul style="list-style-type: none">• It has lower processing power, memory and storage