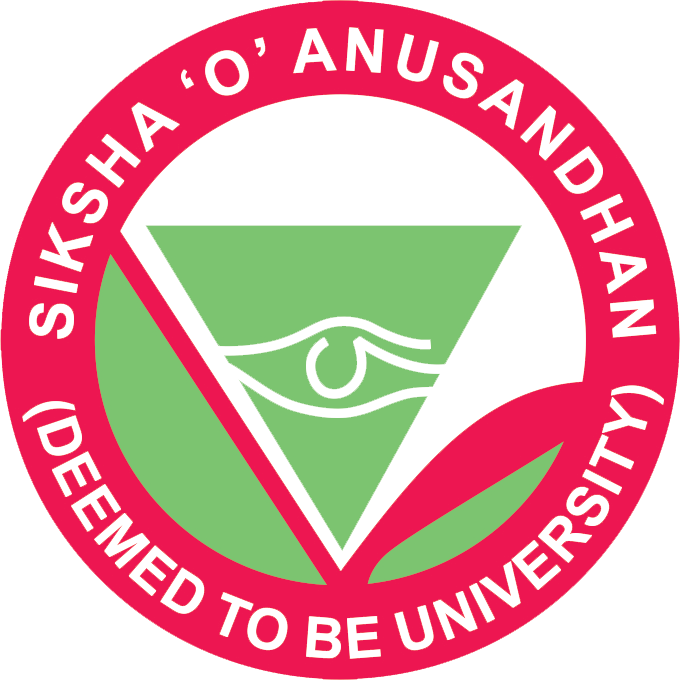
**INSTITUTE OF TECHNICAL EDUCATION AND RESEARCH**

**(SOA Deemed to be University)**

**LAB ASSIGNMENT REPORT**

**ON**

**DISTRIBUTED SYSTEM**

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**Semester:** 7th **Section:** M

**Assignment\_1 (DS Lab)**

**1) Write the command to display your hostname, os name, kernel name, architecture name.**

==> uname

**2) Write the command to show who are logged on.**

==> who

**3) Write the command to show your current user name**

==> whoami

**4) Write the command to display current date and time**

==> date

**5) Write the command to display local and universal time & date with time zone name.**

==> timedatectl

**6) Write the command to display a dynamic real time view of your OS with its processes type, order, size and CPU usages in %.**

==> top

**7) Write the command to tell how long the system has been running, how many users are currently logged on & the system load avg for the past 1,5,15 minutes**

==> uptime

**8) Write the command to display the contents of root directory.**

==> ls \

**9) Write the command to display PID,PPID, UID of bash.**

==> ps -o ppid

**10) Write the output of the command at the command prompt.**

==> YOUR-COMMAND > C:\PATH\TO\FOLDER\OUTPUT. txt.

**11) Display your current IP address(es).**

==> ifconfig

**12) Display the configuration file where the IP address is defined.**

==> The /etc/sysconfig/network file

**13) Verify that you have a gateway.**

==> In the "Open:" field, type cmd , and then click OK. This will open the command prompt. At the prompt, enter ipconfig . This will display your network information, including your default gateway.

**14) Verify that your gateway is alive**

==> ping is the way to test whether a host is alive and connected.

**15) Which ports are used by http, pop3, ssh, telnet, nntp and ftp protocols?**

==> http: 80, 8080 ; pop3: 110 ; ssh: 22 ; telnet: 23 ; nntp: 119 ; ftp: 20, 21 ;

**16) Display hostname of your computer?**

==> getmac

**17) Which ip address did your computer recently have contact with?**

==> arp -a

**18) Display all the network cards on your system?**

==> ifconfig -a