Institute of Computer Technology

B. Tech. Computer Science and Engineering

Sub: BOSS (2CSE204)

Practical -5

Objectives: To learn about controlling access to files in Linux.

Commands:
umask
chown
chmod

Exercise:
Nishant wants to create directory techdocs and he wants to set permission as per his requirement for file and directory. Refer the below listed tasks and provide appropriate solution.

1. Create one group **techdocs** and three users **tech1, tech2 & database1**.

2. Add **techdocs** group as supplementary group for users **tech1 & tech2**.

3. He wants to create a directory called **dtechdocs**.

4. Now, Change the group ownership of the **dtechdocs** directory to the **techdocs** group.

5. Verify that users in the **techdocs** group can create and edit files in the **dtechdocs** directory.

6. Set permissions on the **dtechdocs** directory. On the **dtechdocs** directory, configure setgid (2), read/write/execute permissions (7) for the owner/user and group, and no permissions (0) for other users.

7. Verify that the permissions are set properly.

8. Confirm that users in the **techdocs** group can now create and edit files in the **dtechdocs** directory. Users not in the **techdocs** group cannot edit or create files in the **dtechdocs** directory. Users **tech1** and **tech2** are in the **techdocs** group. User **database1** is not in that group.