

## **SHIVA RAMALINGAM V ECE**

### **LINUX COMMANDS :**

1. `pwd` – Displays the current working directory.
2. `ls` – Lists files and directories in the current directory.
3. `cd [directory]` – Changes the current directory to the specified one.
4. `mkdir [directory]` – Creates a new directory.
5. `rm [file]` – Removes a file.
6. `rm -r [directory]` – Recursively removes a directory and its contents.
7. `cp [source] [destination]` – Copies files or directories.
8. `mv [source] [destination]` – Moves or renames files or directories.
9. `cat [file]` – Displays the contents of a file.
10. `nano [file]` – Opens a file in the nano text editor.
11. `touch [file]` – Creates a new, empty file.
12. `chmod +x [file]` – Grants execute permission to a file.
13. `chown [user] [file]` – Changes the owner of a file.
14. `ps` – Displays currently running processes.

### **GIT COMMANDS :**

1. `git init` – Initializes a new Git repository.
2. `git clone [url]` – Clones a repository from a remote URL.
3. `git status` – Displays the status of the working directory and staging area.
4. `git add [file]` – Adds a file to the staging area.
5. `git add .` – Stages all changes (new, modified, and deleted files).
6. `git commit -m "[message]"` – Commits staged changes with a message.
7. `git push [remote] [branch]` – Pushes commits to a remote repository.
8. `git pull [remote] [branch]` – Fetches and merges changes from the remote branch.
9. `git fetch [remote]` – Downloads changes from the remote repository without merging.
10. `git merge [branch]` – Merges a branch into the current branch.
11. `git checkout [branch]` – Switches to the specified branch.
12. `git branch` – Lists all branches in the repository.
13. `git branch [branch-name]` – Creates a new branch.
14. `git branch -d [branch-name]` – Deletes a branch.
15. `git log` – Shows a log of all commits.

