Theory 1. What is Git? What is version control? - Git is a distributed version control system that helps developes track & manage changes to files in a project. It allows collaboration by enabling multiple users to work on the same project simul Version Control & a system that records changes to files over time, allowing you to recall specific versions, collaborate efficiently, and manage code taneously. evolution. 2. How to use Git for version controlling? - To use Att for version control: a. Initialize a repository with git init.

b. add files using git add.

c. Save changes with git commit -m "message".

a. Push the changes to a remote supository using git push' & pull updates with git pull for collaboration. FAR -1. What is branching in Cit? Lines of development within a nepository. It enables you to work on features, fixes / experiments acque

1	PAGE No.		
	DATE /	11	1

tely without affecting the main codebase, and lates morge changes back when ready.

- e. How to create and merge branches in Git? write the commands used.
 - To create a branch: git branch branch name

To muge a branch:

- · switch to the branch you want to muge into ->
 git chuckout main

 · Murge the branch ->
 git merge branch name











