Git Bash Tutorial for Project Management

1. Navigate to Your Project Folder

```
cd /d/#ITI/#16_Interfacing/ITI_Embedded
```

2. First Time Git Setup (one time only)

```
git config --global user.name "Your Name"
git config --global user.email "you@example.com"
```

3. Initialize Git Repository (only once)

```
git init
```

4. Add Remote Repository (only once)

```
git remote add origin https://github.com/your-username/your-repo.git
```

5. Add All Files

```
git add .
```

6. Commit Changes

```
git commit -m "Initial commit"
```

7. Push to GitHub (first time)

```
git branch -M main
git push -u origin main
```

8. Push Updates (next times)

```
cd /d/#ITI/#16_Interfacing/ITI_Embedded
git add .
git commit -m "Update: describe your change"
git push
```

9. Check Git Status

```
git status
```

10. See Commit History

```
git log
```

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11. Undo Last Commit (keep changes staged)

```
git reset --soft HEAD~1
```

12. Remove Remote (if needed)

```
git remote remove origin
```

13. Change Remote URL

```
git remote set-url origin https://github.com/your-username/your-new-repo.git
```