Lab Submission Guide	
IoT Fundamentals	
Instructor: Mr. Nasir Mahmood	BSAI 6 th
Department of Computer Science - NTU	

This manual will guide you through the process of performing lab tasks throughout the session in an organized manner.

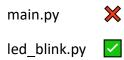
Workflow

- Clone the repo (only once).
- Work in the cloned repo for every lab and keep pushing your updates.
- ✓ If you delete the folder from your local machine, you'll have to clone it again next time.
- Organize each lab's work into separate folders (Lab_1, Lab_2, etc.).
- Your lab folder should contain:
 - Code files
 - Readme.txt file that includes wokwi project link, & main concepts used in the lab (interrupt, debounce issue etc.)
 - Wideo of the physical circuit with your voice explaining the wiring and connections. Circuit should be operational and performing the job.
- Keep committing your work to save changes.
- ✓ Push all work inside the folder to GitHub in an organized manner.
- Refresh the browser page to verify the changes.

↑ Tips & Precautions:

- It's a good idea to clone the folder in Desktop.
- Avoid spaces in file and folder names. Use "Snake Case" naming convention (Lab 1).
- Use compression software to minimize video size, but don't compromise video/audio quality.
- Be careful with deletions! If you delete something and push changes, it will be removed from the repo permanently.
- Push changes before shutting down your system to avoid data loss.

• It is recommended to name your code files according to job performed.



- Make sure you are in the relevant lab folder before pushing changes.
- Follow these guidelines to maintain a structured and error-free Git workflow!

Mind-map

