1. Install "Anaconda"
2. To install and update QCoDeS, follow instruction given in the link:

<https://qcodes.github.io/Qcodes/start/index.html>

1. To install plottr, go to <https://github.com/toolsforexperiments/plottr> and download plottr zip file (Code 🡪 Download ZIP). Extract it to “C:\Users\TUD---”. Open Anoconda prompt, activate qcodes, navigate to the folder with the folder ‘plottr-master’, run ‘pip install plottr’

**Installing contrib drivers:**

Run “activate qcodes” and then “pip install qcodes\_contrib\_drivers” in Anaconda prompt.

For more details: https://github.com/QCoDeS/Qcodes\_contrib\_drivers

**Installing tqdm:**

Run “activate qcodes” and then “pip install tqdm” in Anaconda prompt.

For more details: <https://github.com/tqdm/tqdm>

**Installing nbextensions (for table of content):**

Run “activate qcodes” and “conda install -c conda-forge jupyter\_contrib\_nbextensions” in Anaconda prompt.

For more details: https://jupyter-contrib-nbextensions.readthedocs.io/en/latest/install.html

**Installing USB\_GPIB**

Follow: <https://www.ni.com/getting-started/install-software/>

You need to install NI-VISA and NI-488.2.

**Shortcuts**

Copy .bat files (Plottr and QCoDeS\_start\_2DTopo) from 2Dtopo/code/misc into designated folder (like C:\Users\TUD---”.\Shortcuts.

Now you need to specify the correct path for anaconda in the .bat files. This can be found in the properties of the shortcut “Jupyter notebook (qcodes)”. For example:

C:\ProgramData\Anaconda3\python.exe C:\ProgramData\Anaconda3\cwp.py C:\Users\TUD212163\.conda\envs\qcodes C:\Users\TUD212163\.conda\envs\qcodes\python.exe C:\Users\TUD212163\.conda\envs\qcodes\Scripts\jupyter-notebook-script.py "%USERPROFILE%/"

Adjust all the paths in the .bat file (so the path to python (python.exe and cwp.py) and qcodes is correct) and mind the \ /

The folder to launch is in the end of the .bat file