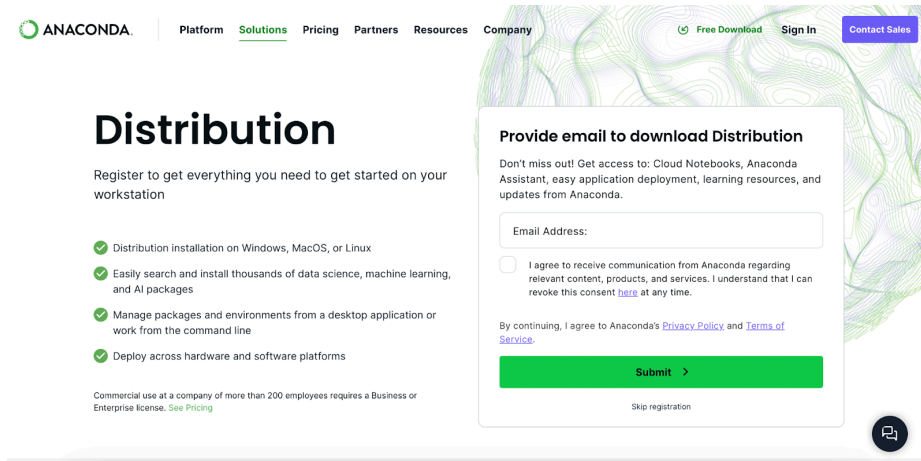


First Time Installation Instructions (Rerun Instructions on page 5)

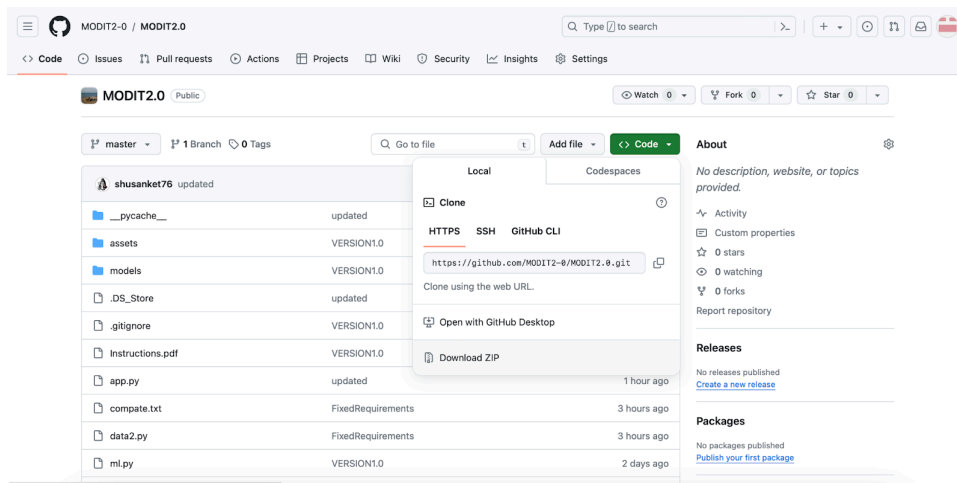
1. Download and install anaconda at <https://www.anaconda.com/download>.



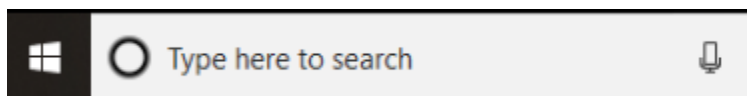
2. Download the zip file from the Github repository at <https://github.com/MODIT2-0/MODIT2.0/tree/master>

Press the green Code button.

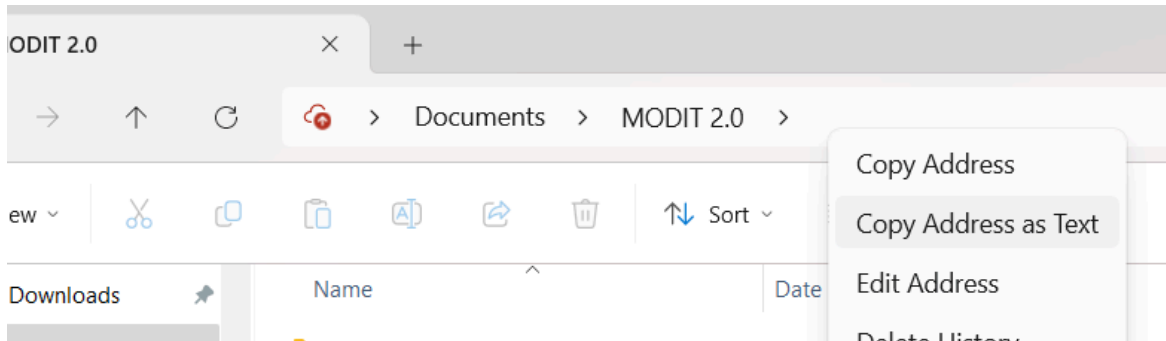
Then press “Download Zip”



3. Extract the zip
4. Open the Anaconda Prompt by searching for it in this.



5. Navigate to the MODIT2.0-master folder by using the command: `cd` followed by the path to the folder (ex. `C:\Users\username\Desktop\MODIT2.0-master`). On windows, this path can be copied from file explorer by right clicking the address bar and selecting “Copy Address as Text.”



You can use `dir` to see the contents of the directory.

6. Type in, “`conda create -n modit python=3.11`”

```
(base) C:\Users\hpw-stu\Downloads\MODIT2.0-master>conda create -n modit python=3.11
```

```
Channels:
- defaults
Platform: win-64
Collecting package metadata (repodata.json): done
Solving environment: done

## Package Plan ##

  environment location: C:\Users\hpw-stu\AppData\Local\anaconda3\envs\modit

added / updated specs:
- python=3.11
```

The following packages will be downloaded:

package	build	
bzip2-1.0.8	h2bbff1b_6	90 KB
ca-certificates-2024.3.11	h8cc25b3_0	128 KB
libffi-3.4.4	hd77b12b_1	122 KB
openssl-3.0.13	h2bbff1b_1	7.5 MB
python-3.11.9	he1021f5_0	18.3 MB
sqlite-3.45.3	h2bbff1b_0	973 KB
tzdata-2024a	h04d1e81_0	116 KB
xz-5.4.6	h8cc25b3_1	609 KB
zlib-1.2.13	h8cc25b3_1	131 KB
Total:		27.8 MB

The following NEW packages will be INSTALLED:

bzip2	pkgs/main/win-64::bzip2-1.0.8-h2bbff1b_6
ca-certificates	pkgs/main/win-64::ca-certificates-2024.3.11-h8cc25b3_0
libffi	pkgs/main/win-64::libffi-3.4.4-hd77b12b_1
openssl	pkgs/main/win-64::openssl-3.0.13-h2bbff1b_1
pip	pkgs/main/win-64::pip-23.3.1-py311h8cc25b3_0
python	pkgs/main/win-64::python-3.11.9-he1021f5_0
setuptools	pkgs/main/win-64::setuptools-68.2.2-py311h8cc25b3_0
sqlite	pkgs/main/win-64::sqlite-3.45.3-h2bbff1b_0
tk	pkgs/main/win-64::tk-8.6.12-h2bbff1b_0
tzdata	pkgs/main/noarch::tzdata-2024a-h04d1e81_0
vc	pkgs/main/win-64::vc-14.2-h21ffa51_1
vs2015_runtime	pkgs/main/win-64::vs2015_runtime-14.27.29016-h5e58377_2
wheel	pkgs/main/win-64::wheel-0.41.2-py311h8cc25b3_0
xz	pkgs/main/win-64::xz-5.4.6-h8cc25b3_1
zlib	pkgs/main/win-64::zlib-1.2.13-h8cc25b3_1

7. Enter “y” and press enter

```
Proceed ([y]/n)? y
```

8. To start the Virtual Environment:
 - Enter conda activate modit

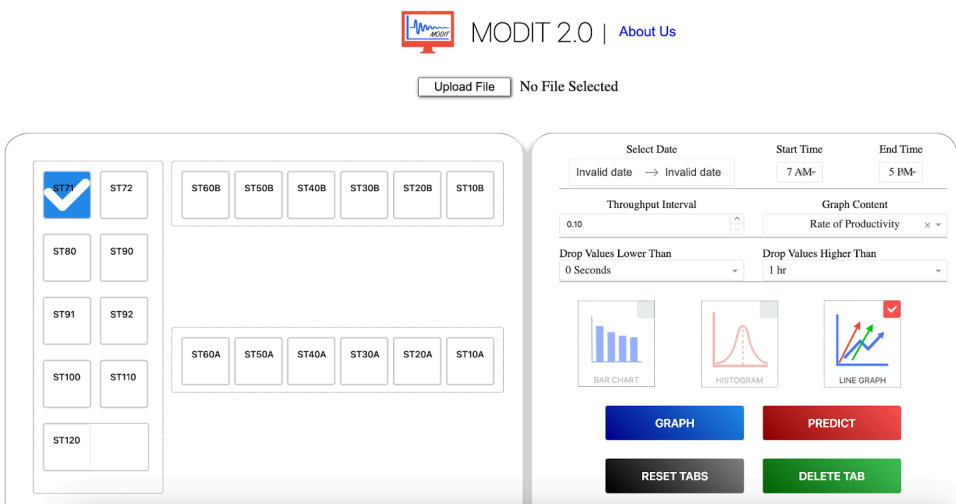
```
(base) C:\Users\hpw-stu\Downloads\MODIT2.0-master>conda activate modit
```

9. To download requirements:

Enter “pip3 install -r requirements.txt” to install required libraries.

```
(modit) C:\Users\hpw-stu\Downloads\MODIT2.0-master\MODIT2.0-master
```

10. Enter “python app.py” to start running the program.
11. Wait a few minutes until the command prompt reappears.
12. Copy the link to the local host and paste it to your web browser.
13. The following webpage should appear



The screenshot shows the MODIT 2.0 web application interface. At the top, there is a logo and the text "MODIT 2.0 | About Us". Below this is an "Upload File" button and the text "No File Selected". The main interface is divided into two panels. The left panel contains a grid of buttons labeled ST71 through ST120. ST71 is selected with a blue checkmark. The right panel contains a "Select Date" section with "Invalid date" and "Invalid date" fields, and "Start Time" (7 AM) and "End Time" (5 PM) dropdowns. Below this is a "Throughput Interval" dropdown set to 0.10 and a "Graph Content" dropdown set to "Rate of Productivity". There are also "Drop Values Lower Than" and "Drop Values Higher Than" dropdowns. At the bottom of the right panel are four buttons: "GRAPH" (blue), "PREDICT" (red), "RESET TABS" (black), and "DELETE TAB" (green). Three graph types are visible: "BAR CHART", "HISTOGRAM", and "LINE GRAPH".

14. Using the “Upload File” button, upload the XLSX file and wait a few minutes for the file to load in.
15. Predict future machine performance by simply pressing the “Predict” button.
16. Create Graphs by selecting at the very least:

Machine names

Start Day to End Day

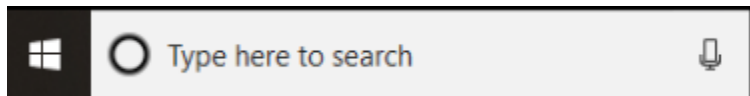
Start Time to End Time

Graph Content

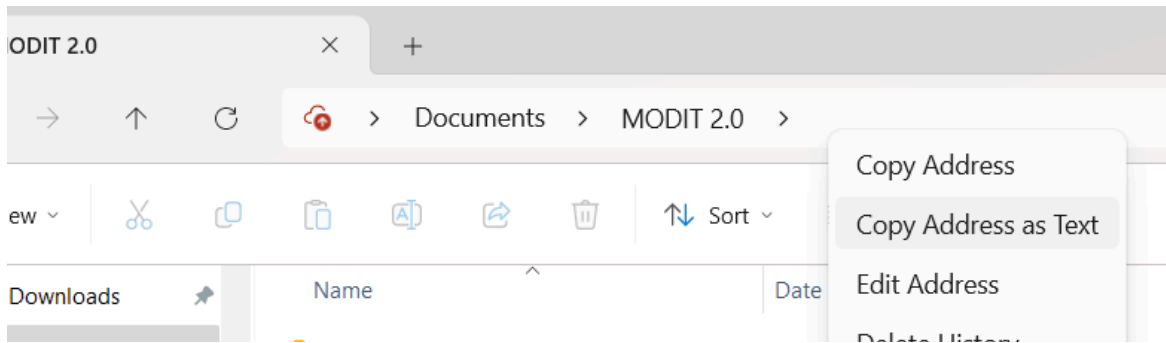
Graph Type

To run the software again:

1. Open the Anaconda Prompt by searching for it in this.



2. Navigate to the MODIT2.0-master folder by using the command: `cd` followed by the path to the folder (ex. `C:\Users\username\Desktop\MODIT2.0-master`). On windows, this path can be copied from file explorer by right clicking the address bar and selecting “Copy Address as Text.”



You can use `dir` to see the contents of the directory.

3. To start the Virtual Environment:
 - Enter `conda activate modit`
4. Enter `python app.py` to start running the program.