

HOWTO to run ThisConnect GUI

1. PRECHECK:

This is a **Python** script. Hence, you will need Python (v3.10 or +) installed on your PC. Run the following command in CMD or shell to verify its installation:

```
python --version
```

On a success, the current Python 3 version will be returned.

- **Help:**
 - [I am getting the “Python was not found” error.](#)

2. INSTALLING NECESSARY PYTHON PACKAGES

To automate the browsing and facilitate GUI components, you will need some Python packages to be installed on your machine. This is a ***one-time installation*** and will only be required for first-time use. **Please keep your internet connection on during the installation.**

Windows OS: Run the included “`install_dependencies.bat`” batch file.

- **Linux/Mac OS:** directly run the following commands sequentially in your shell to install the required packages

```
❑ curl https://bootstrap.pypa.io/get-pip.py -o get-pip.py
❑ python3 get-pip.py
❑ pip3 install pandas selenium webdriver_manager tk openpyxl
```

3. PROCESSING THE EXCEL FILE

The script needs the final grade sheet to be saved in MS Excel (.xlsx) format and some bit of modification in the headers of this Excel file. Please follow the listed steps to proceed:

- a) Create a copy of the completed grade sheet.
 - **Do not keep any blank rows** in your copied grade sheet Excel file. If present, please remove them before proceeding.
- b) In the copy, remove the shown rows and sheets (left) so that it looks like on right.

BRAC University
Final Grade Sheet
Fall 2023
Department/ School: CSE
Course No: CSE 000
Course Title: #####
Section: #####
Faculty Name: #####

Sl #	ID #	Name	Atten (10 %)	Quiz (25 %)	Assign (20 %)	Lab (25 %)	Midterm (20 %)	Project 1 (%)	Project 2 (%)	Final (%)	Total (100.00)	Total (100 %)	Grades (with suffix)	Suffix (in words)
1	111	AAA	5	2	11	1	5	6	7	5	42	42	F	PLAIN
2	222	BBB	6	7	8	9	1	55	4	10	100	100	A+	PLUS
3	333	CCC	6	7	8	9	1	55	4	10	100	100	A+	PLUS
4	444	AAA	1	2	3	1	4	6	4	10	31	31	F	PLAIN
5	555	BBB	6	7	8	9	1	55	4	10	100	100	A+	PLUS
6	666	CCC	6	7	8	9	1	55	4	10	100	100	A+	PLUS
7	777	Final GradeSheet	1	2	3	4	5	6	7	10	38	38	F	PLAIN

BEFORE

Sl #	ID #	Name	Atten	Quiz	Assign	Lab	Midterm	Project 1	Project 2	Final	Total	Total	Grades	Suffix
1	111	AAA	5	2	11	1	5	6	7	5	42	42	F	PLAIN
2	222	BBB	6	7	8	9	1	55	4	10	100	100	A+	PLUS
3	333	CCC	6	7	8	9	1	55	4	10	100	100	A+	PLUS
4	444	AAA	1	2	3	1	4	6	4	10	31	31	F	PLAIN
5	555	BBB	6	7	8	9	1	55	4	10	100	100	A+	PLUS
6	666	CCC	6	7	8	9	1	55	4	10	100	100	A+	PLUS
7	777	AAA	1	2	3	4	5	6	7	10	38	38	F	PLAIN

AFTER

Table 1: Excel Gradesheet Preprocessing for USISphereGUI

Notes:

- The **(ID #)** and **(Total)** column names must be intact and mustn't be altered.
- Remove any blank rows before saving this grade sheet.

c) Save the copied file and run the app.

4. RUNNING THE APP

Open the **USISphereGUI.py** app (or run the script if opened in IDE). Follow the steps in the picture.

Or follow this video tutorial for quick guide.

USISphere GUI

Select Gradesheet

1 Gradesheet EXCEL File Path:
C:/Users/User/Downloads/[Excel] Grade Sheet Format Fall 2023 v1(1).xlsx

Browse Clear Field

2 Select Browser:
Firefox

Choose Browser

3 Start Processing

Start Processing

Paste the USIS grade entry link from the CURRENT browser opened by the app after you start the process.

DO NOT INTERACT WITH THE APP-OPENED BROWSER WHILE IT'S PASTING THE GRADES.

Built with <3 by FGZ - @theBoringCodes

MISC:

Help 1: I am getting the “Python was not found” error.

This may happen for either of these two reasons:

- i. Python isn't installed in your system. In that case, [download](#) it from the official site. During installation, **YOU MUST TICK THIS OPTION.**

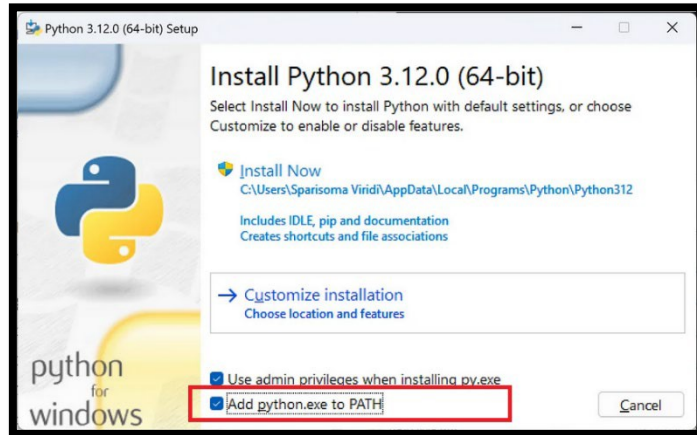


Figure 1: Windows: Adding Python path to System Environment

- ii. Python was installed, but the path was not added to the system environment. See [this video tutorial](#) for a quick guide.