

Task 0 – Python and libraries Installation

This file contains instructions to install the following software/libraries:

- Python
- NumPy
- Scipy
- Pyserial
- Matplotlib

Please follow the steps given below:

1. Python

- Download **Python 2.7.15** for **32-bit** ([here](#)) or for **64-bit** ([here](#)).
- Double-click the downloaded file to commence the installation.
- Select to “**Install Python 2.7.15 for all users**”. Click Next.
- Keep the destination directory as it is: **C:\Python27**. If you have previous versions of Python 2.7, select **Yes** to overwrite the existing files as in Figure 1. Click Next.

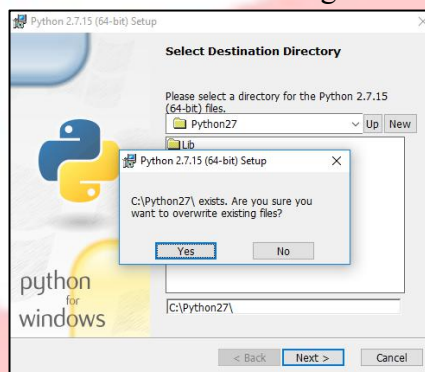


Figure 1: Select to overwrite destination directory

- In Customize Python 2.7.15, for “**Add python.exe to Path**”, select “**Will be installed on local hard drive**” option from drop-down list. Click Next.

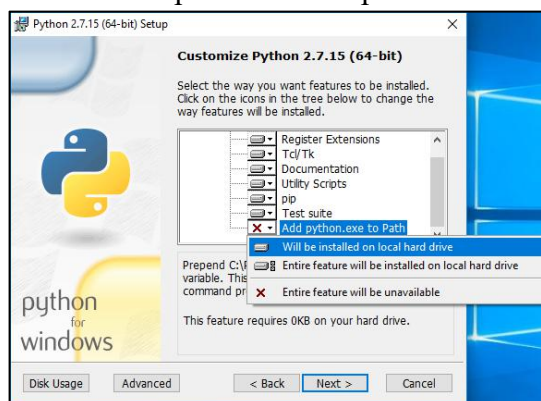


Figure 2: Add python.exe to Path

- After successful installation, click Finish.

2. NumPy

- Open Command Prompt, type **pip install numpy** and press Enter.

3. Scipy

- Open Command Prompt, type **pip install scipy** and press Enter.

4. Pyserial

- Open Command Prompt, type **pip install pyserial** and press Enter.

5. Matplotlib

- Open Command Prompt, type **pip install matplotlib** and press Enter.

NOTE:

While installing the above libraries, you may get following message on command prompt:

You are using pip version 10.0.1, however version 18.1 is available.

You should consider upgrading via the 'python -m pip install --upgrade pip' command.

Please **DO NOT** upgrade **pip** as conveyed in the message. Let the **pip** version **10.0.1** be as is.

In order to verify the installation of above libraries, follow the steps given in [Test_Setup_Read_Me.pdf](#) document inside **2. Test_Setup** folder.