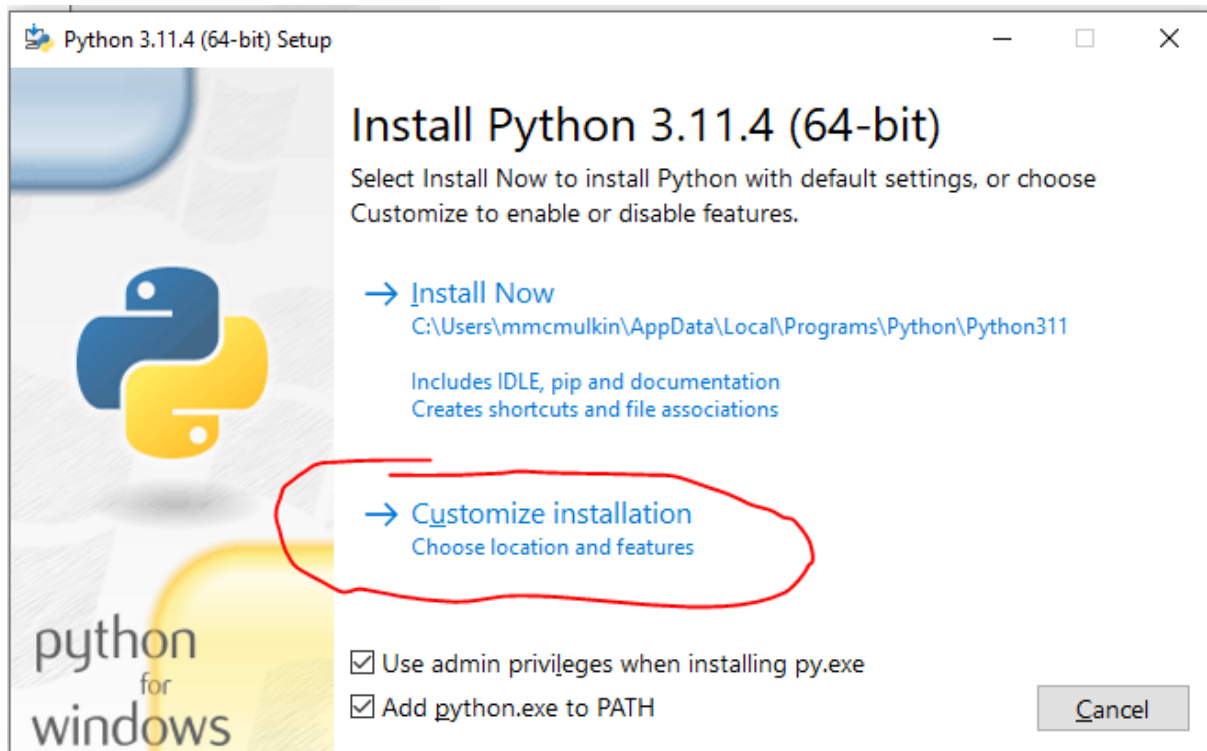Installation of Python and Vicon Nexus for Shriners Gait Model:
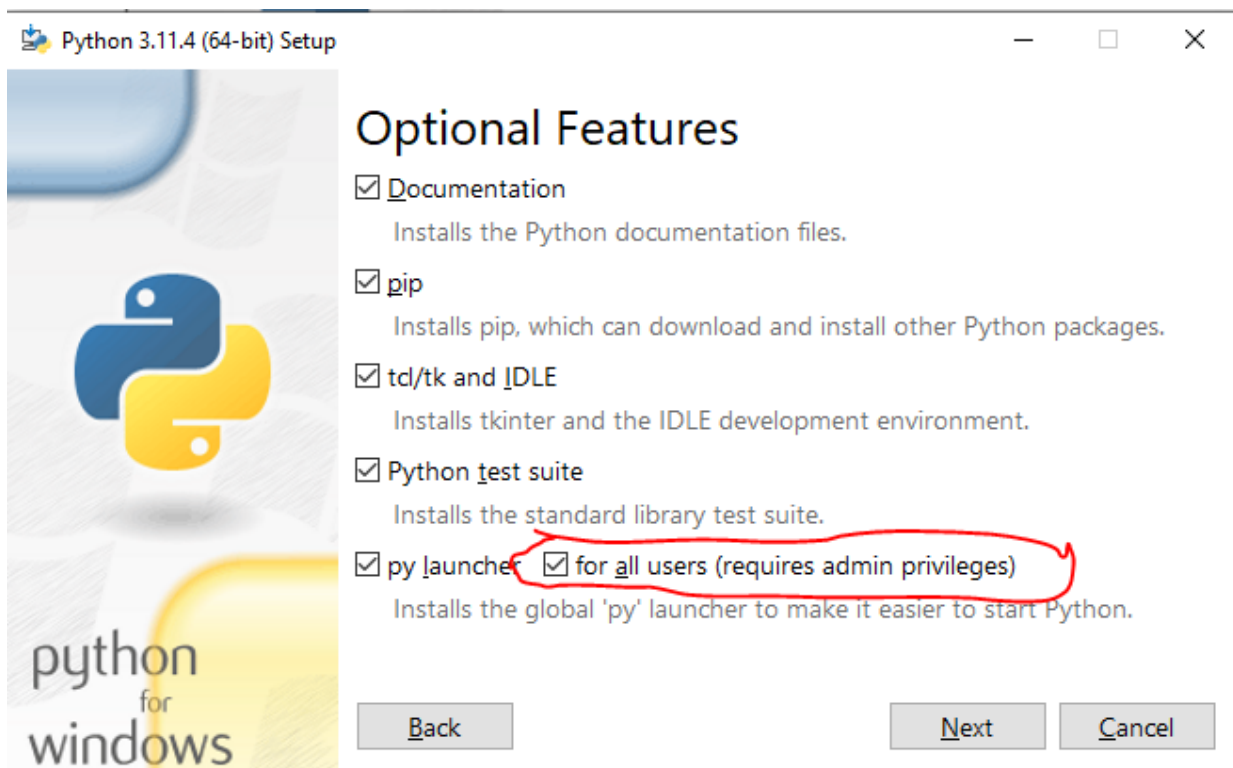
1. Download 'Python Installation' folder-
   a. Install Python 3.11.4 or later
      - If prior python installation (Depends on Admin access)
        - Use standard program apps to uninstall 2.7
      - If no previous python installation:
        - Install (amd 64 bit version) using exe installation app such as "python-3.11.4-amd64.exe"
   b. During installation of screen shown below:
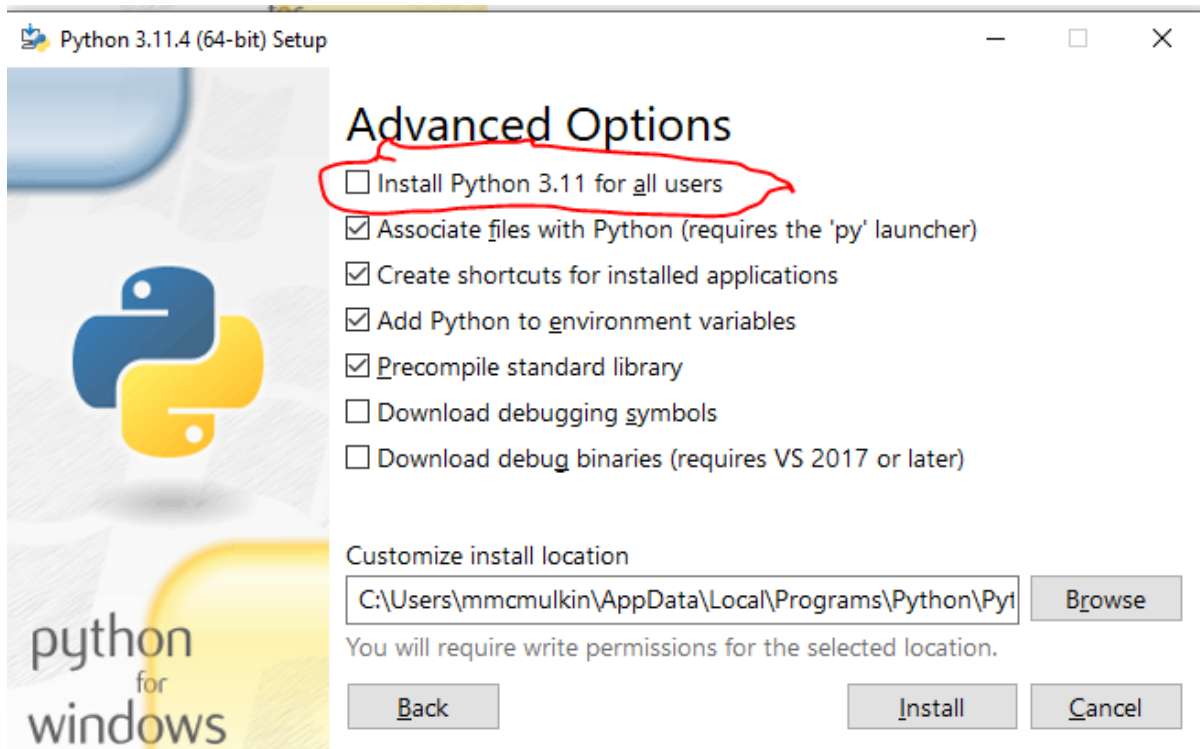   - check box 'Add Python.exe to path'

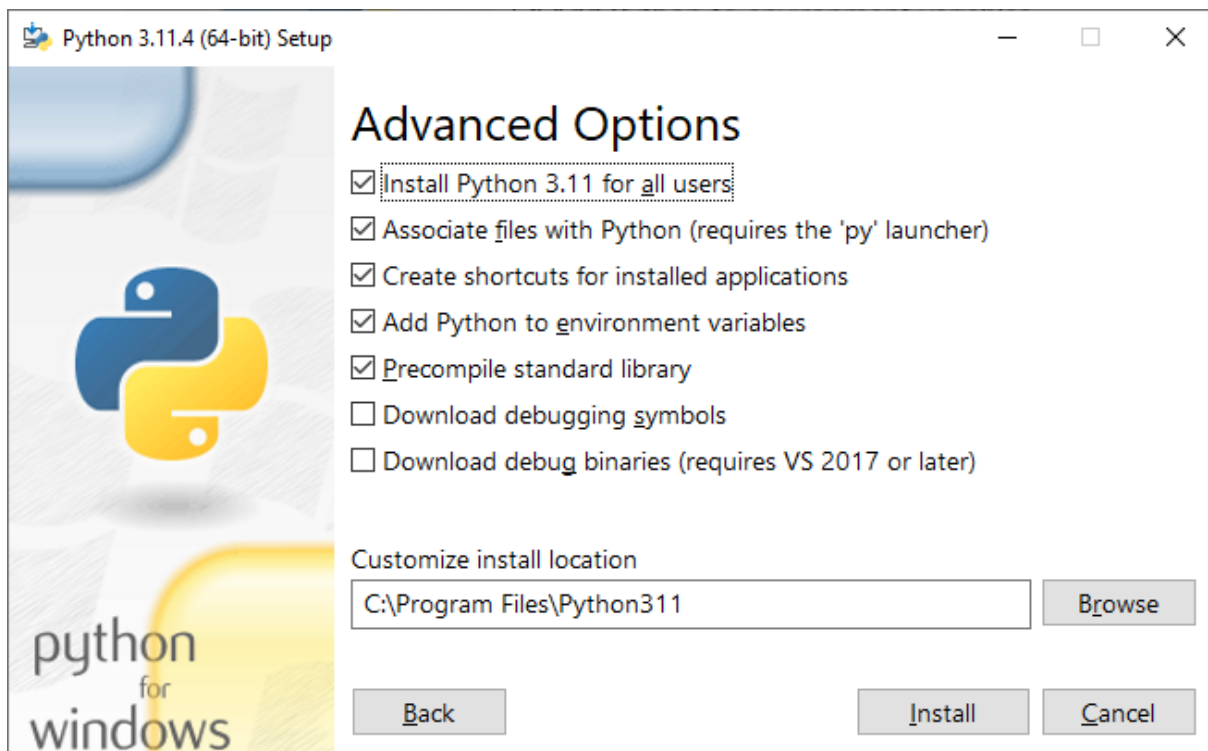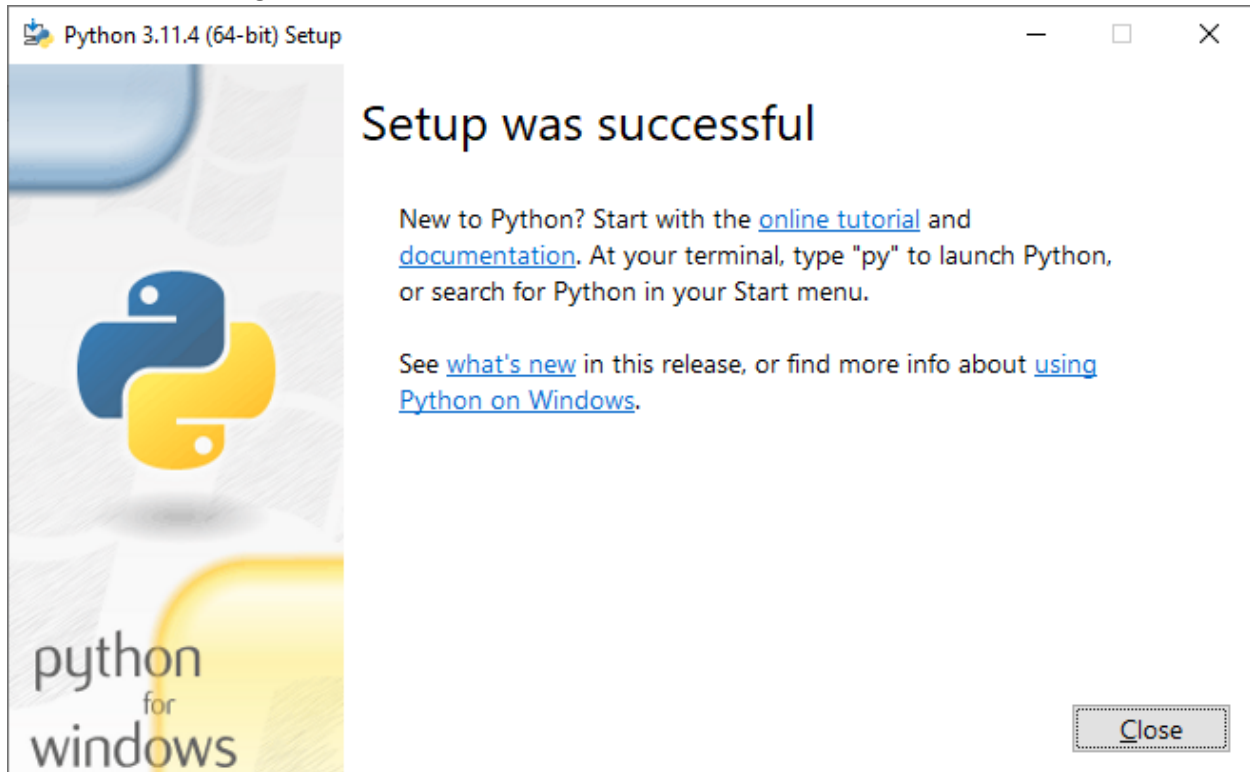c. Click on 'Customize Installation'

d. Check box 'for all users'

e. On next screen select "Install Python 3.11 for all users"

So screen should look like following image: (NOTE: location at bottom of screen alter for user location to Program Files location)

Hit Close on following screen:

     f.   Install following items:
- Open command prompt:
  - Type in: pip install numpy
  - Type in: pip install reportlab
  - Type in: pip install scipy

2. Update to Nexus 2.14 or later
     a. Download Nexus 2.14 or later from the Vicon website and install

3. Navigate to: C:\Program Files\Vicon\Nexus2.14\SDK\Win64\Python
     a. Double click on "install_vicon_nexus_api.bat"
     b. Double click on "install_vicon_nexus_utils.bat"

From the Vicon website the following information is provided to describe this installation

Install the Nexus API into other Python distributions

The build of Python (Python 3) installed within Nexus automatically installs the *viconnexusapi* package as part of Nexus. A script is also available with the installer, which installs the package into the system Python distribution. You can also directly install the package into any other Python distributions that you have installed.

Installing_viconnexusapi

```
cd "C:\Program Files\Vicon\Nexus2.14\SDK\Win64\Python"
# install the api into the system python
./install_vicon_nexus_api.bat
# install the api into a specific python distribution
<path to user python> -m pip install ./viconnexusapi
```