How to Prepare eego SDK for Execution in a Python Environment:

1. Obtain eego SDK "DDE-OP-2710rev RELEASE_VERSION eego amplifier SDK DLLs". The distributive will contain 3 folders: (1) "eemagine" – *.h functions, (2) "Linux" with "*.so" for Linux machines, and (3) "Windows" – with drivers and libraries that are needed for Windows machines.
2. Download Gitlab instructions for cmake to compile with pybinder: Gitlab Pybind11 CMake Instructions. Please make sure to read the instructions. The instructions below are based on them.
3. Download and install cmake: CMake Download. During the installation, add cmake to the system PATH for the current user.
4. Download and install Visual Studio: Visual Studio Download. During installation, you will need to select "Desktop development with C++". If Visual Studio is already installed, you could add this package in Visual Studio -> Tools -> Get tools and features.
5. For convenience, place the zip file with the drivers and unzipped Github instructions in a folder. There create a new folder "Build".
6. Create a user.cmake file in the root of Github instructions, and add a line pointing to the eego-SDK zip file, like so (pay attention to slash it should be "/"):

```
set(EEGO_SDK_ZIP /PATH/TO/FILE/eego-sdk-1.3.19.40453.zip)
```

7. Open PowerShell and navigate to inside your folder "Build" and execute two commands:

```
cmake -DCMAKE_BUILD_TYPE=Release /PATH/TO/Github_Instructions
cmake --build . --config Release
```

8. Navigate inside Github instructions -> python3 -> Release and find files: (1) eego_sdk.exp (2) eego_sdk.lib, and (3) eego_sdk.pyd. Place these files together with eego-SDK.dll copied from the SDK folder to a permanent folder (e.g., toolbox folder).
9. Open Environment Variables -> User variables -> Create a new variable "PYTHONPATH" and set the value with the path to the permanent folder.
10. Execute a test run by running Python script from Github instructions. This should automatically connect to the amplifier and create a *.txt file with EEG data samples (columns – electrodes, rows - samples).