

## INSTALLATION GUIDE

You can get the files from here:

<https://drive.google.com/drive/folders/1ARsiqFlfOnVZN8D4Frv6VrGOHHj5AeS5?usp=sharing>

(Download all the files according to your system configuration)

### Module 1: Python 3.7.4

(If you already have Python 3.7.4 or higher version then skip step 1 & 2)

#### Step 1:

Download “**python-3.7.4-amd64 setup file**” from the Google Drive Link which is mentioned above, and start installation by double clicking on downloaded file.

#### Step 2:

As shown in Fig. 1,

1. Check “**Install launcher for all users**” and “**Add Python 3.7 to PATH**”.
2. Click on “**Install Now**” and wait until installation gets complete.

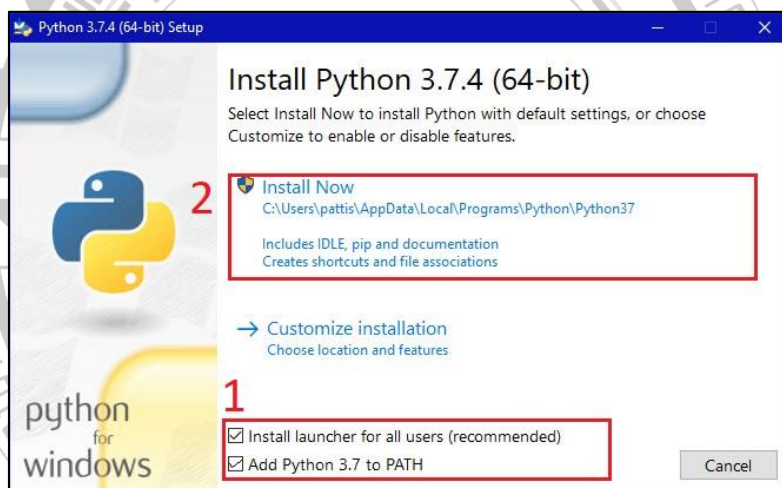


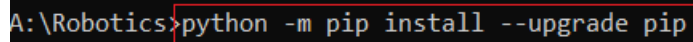
Fig 1. Python Environment Installation

## Installing Packages:

**Step 1:** Open Command Prompt.

**Step 2:** Install packages by typing commands given below.

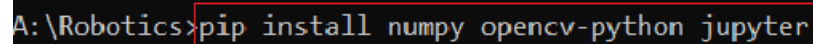
### **1. python -m pip install --upgrade pip**



```
A:\Robotics>python -m pip install --upgrade pip
```

*Fig 2. Command for upgrading pip Installer*

### **2. pip install numpy opencv-python jupyter**

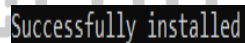


```
A:\Robotics>pip install numpy opencv-python jupyter
```

*Fig 3. Command for Installing Packages*

After executing above commands, you will encounter either one of the following cases.

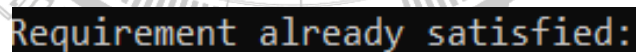
**Case 1:** You should get the following **similar** success message after installation in command prompt.



```
Successfully installed
```

*Fig 4. Message after Successful Installation of the Packages*

**Case 2:** If any of the package mentioned in the Step 2 is already installed in your system then you will get the following **similar** message.



```
Requirement already satisfied:
```

*Fig 5. Message if packages are already exist in the system.*

## Verify the Installation:

**Step 1:** Open Command prompt.

**Step 2:**

1. Type **python** and press Enter.
2. Type **import cv2,numpy,tkinter** and press Enter.

**If you do not get any error then all the packages are correctly installed in you system.**

The logo for RGIT's Robotics Club is a large, stylized gear. The gear's teeth are represented by a series of vertical lines of varying heights. Inside the gear, the text "RGIT's" is written in a bold, sans-serif font, with "ROBOTICS" written below it in a larger, all-caps, bold, sans-serif font. The word "CLUB" is written in a smaller, all-caps, bold, sans-serif font at the bottom of the gear. The entire logo is rendered in a light gray color.

**Now you are all set to write your first code in openCV.**

**See you in the workshop!!**

**(If you face any error while installing any of the mentioned package or you have other queries, then kindly ask in the WhatsApp group)**