

# Run Instructions

In this section we will explain how to setup your environment in order to be able to run the code, since it has specific requirements - as python is an open source language and every change made by the community reflects directly on the usability of your environment.

## **IMPORTANT!**

You are required to download **python 3.6.x** version, not the latest 3.7 since some TensorFlow modules still do not work in conjunction with it.

We advise you use Pycharm IDE to view and run our source code.

## **Dependencies list:**

You are required to install the following dependencies to run our system:

- Anaconda/Miniconda
- tensorflow==2.0.1
- numpy
- opencv
- lxml
- tqdm
- flask
- seaborn
- pillow
- pyqt (version 5 or above)
- absl-py

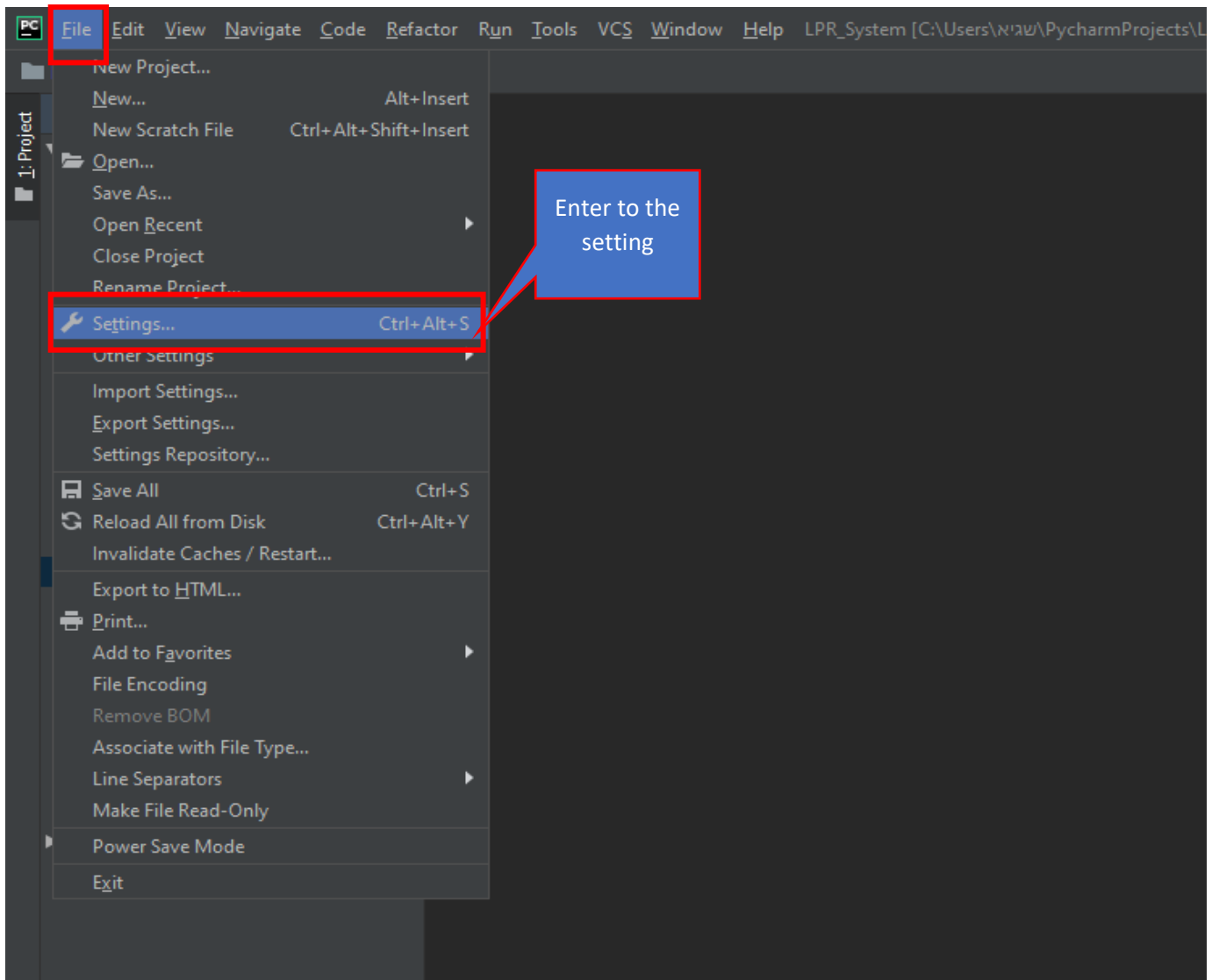
**\* If you are familiar with a workspace/ dependencies installation, or you already have installed the dependencies on your computer, you can skip to page # 5 for a brief explanation of how to run the system. If you need an explanation of how to install the environment, please read the following section:**

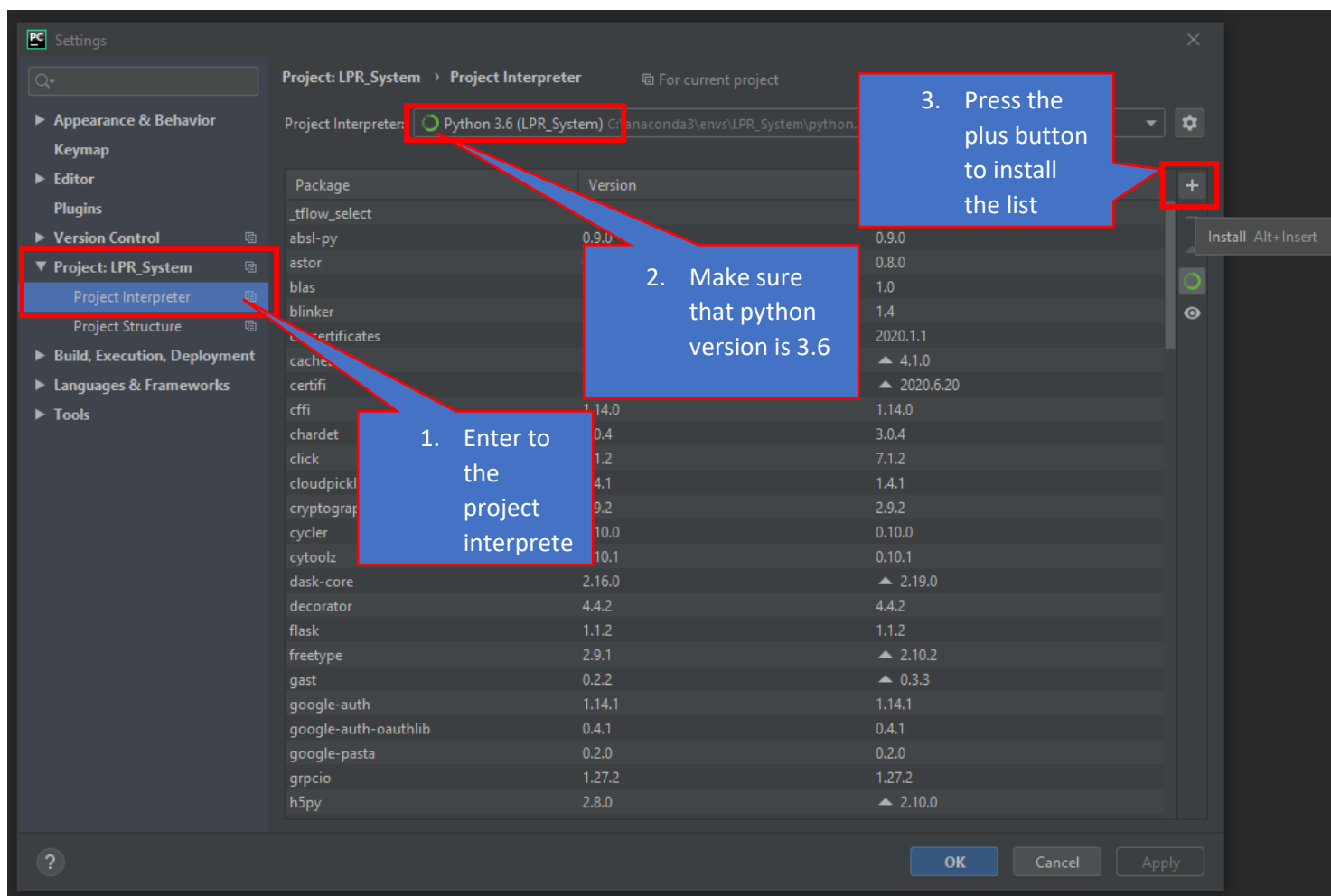
## **Install the dependencies:**

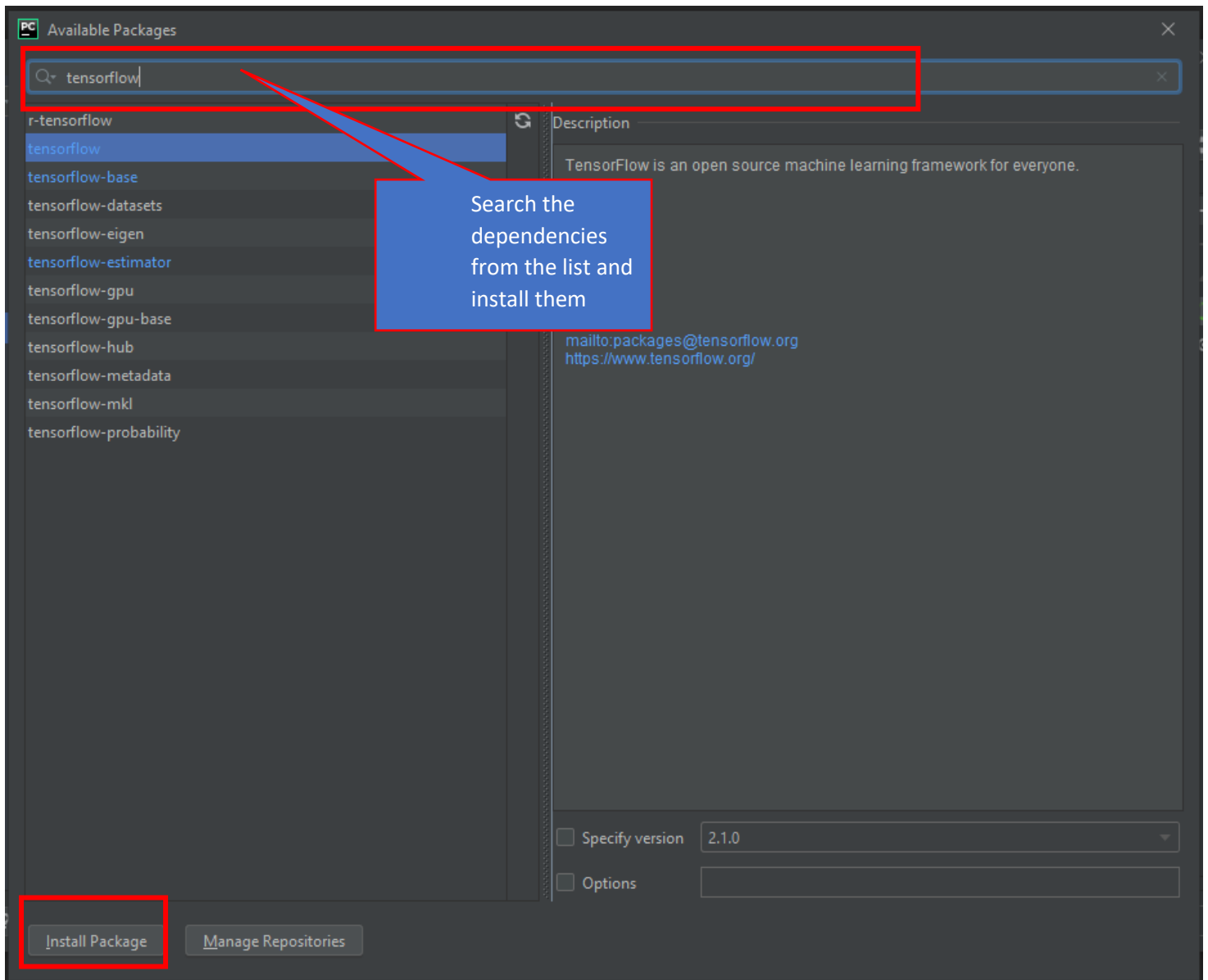
### **Option 1: - Installation through Pycharm IDE environment:**

Open LPR\_System project with pycharm.

Follow the steps described below:







## **Option 2: - Create your virtual environment with Anaconda:**

### **Step 1: install Anaconda.**

### **Step 2: create virtual environment:**

Once you have Anaconda installed, create your virtual environment and install the dependencies using the next commands (in command line):

```
conda --name "Your environment name here" python=3.6
```

Once installed, proceed, and activate it, using:

`conda activate "Your environment name here"`

### **Step 3: install the project's dependencies list**

Now, install the project's dependencies list with pip install commend:

Example:

`pip install tensorflow`

### **Step 4:**

We advise you use Pycharm IDE to view and run our source code. When opening the IDE, you will have an option to choose an Existing Interpreter, where you can navigate to the location of your Virtual Environment, usually at C:\Users"Your username"\miniconda\envs" "Your environment name"\python.exe, or if you already have the IDE installed, once you open the project you need to attach the Interpreter to it.

### **RUN THE PROGRAM:**

Once you have successfully installed all the dependencies you can run the program:

From the IDE:

- 1) Open the "GUI" folder.
- 2) Right click on " WelcomeController.py"
- 3) Select "RUN"

\* A sample screenshot is attached on the next page

