**I First you need to connect the USB cable**

**II In order to run the robot in Windows as it is you need:**

1. To install Scratch 2.0 <https://scratch.mit.edu/scratch2download/> or to use web version of snap <https://snap.berkeley.edu/>
2. To install python 2.7 from <https://www.python.org/downloads/> . Please note that in some cases python directory is not registered in the environment variables and is not recognized as valid command outside of its directory. In that case you need to include (add) “;c:\python27;c:\python27\scripts” to the PATH line. Just write Environment variables in “search programs and files”. Open the environment variables screen and push the environment variables button. Then add “;c :\python27;c:\python27\scripts” to the end of the PATH line.
3. As soon as you have python you need PyMata and PySerial. Usually PySerial is included in the python so you need to add only PyMata The easiest way to add it is to type: “*python -m pip install PyMata”*in command prompt and press Enter.
4. To download s2a\_fm <https://github.com/MrYsLab/s2a_fm>> and unzip it in a directory s2a\_fm.
5. Then open a command prompt go to the s2a\_fm directory type: s2a\_fm.py comN
6. “N” is the number of the com port of the Bluetooth module – see the GUIDE: 10\_CONNECT\_s2a\_fm screenshot as a reference how the successful connection between the robot and the computer looks.
7. Then simply run SCRATCH or SNAP to command the robot. You will find the demo program demo program ESI CEE\_tank\_with\_sonar\_4.sb2we used during the workshop in the shared folder. You can develop other programs and add more sensors, drivers and other hardware if you want. Please, share other versions of the program.