* Take driver station laptop to a place where WiFi Internet access is available and get connected.

<https://github.com/Team4276/2016_VisionSystem>

* Rename previous version, if any

For example rename

“C:\Users\...\Documents\2016\_VisionSystem”

to “C:\Users\...\Documents\2016\_VisionSystem2”

* Right click on the ‘Documents’ folder and select “Git Clone…”

URL: <https://github.com/Team4276/2016_VisionSystem> (may already be there)

Directory: C:\Users\...\Documents\2016\_VisionSystem (may already be there)

Leave everything else at default setting and click ‘OK’

This will place the latest source code in ‘C:\Users\...\Documents\2016\_VisionSystem’

* Go back to the pits, turn on the robot to apply power to the BeagleBone.
* Use PuTTY to open an SSH prompt to the BeagleBone at 10.42.76.12

If it doesn’t work connect Ethernet cable direct to BeagleBone from the driver station laptop.

User: ubuntu

PW: temppwd

* In the SSH prompt, uninstall the previous version

cd /home/ubuntu/viking\_mpg\_streamer

dos2unix \*.sh

./uninstall.sh

* In the SSH prompt, delete the source code from the previous version

cd /home/ubuntu

rm –rf viking\_mpg\_streamer

* On the laptop click on the “R:\” drive, which should now show all of the files on the BeagleBone.

Open the C:\Users\...\Documents\2016\_VisionSystem folder and right-click to copy folder “viking\_mpg\_streamer”.

Right click on R:\home\ubuntu and ‘Paste’ to copy the new source code on to the BeagleBone.

* Start NetBeans 7.3.1.

Make sure you use this exact version and not version 8, which is also installed on the laptop

* NetBeans should start up with three projects showing in the left panel, (“input\_uvc”, “output\_http”, and ”viking\_mpg\_streamer”)

Click on each of these, and select “Release” from the drop list at the top of the NetBeans window.

Right click on each project and select “More Build commands” 🡪 “Clean”

When prompted enter “temppwd” for password to the BeagleBone.

Right click on ‘input\_uvc’ and select Build

Right click on ‘output\_http’ and select Build

Right click on ‘viking\_mpg\_streamer’ and select Build

* In the SSH prompt, install the new version

cd /home/ubuntu/viking\_mpg\_streamer

dos2unix \*.sh

./install.sh

sync

sudo reboot