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i-vizon trunk
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Code Area 89!
A warm welcome to my code base :)
I'm learning how effectively we can use the available computing units on the embedded platform.
In my exploration phase, I have written some C++ wrappers for ease of use and also given some
tips where ever possible under the tag @TIPS:
For newbies out of college, I hope this will be a good starting point.
I have tried to introduce as many tools/libraries I can, to make
an end to end solutions.
Willing to contribute or any queries
reach me at mageswaran1989@gmail.com with subject "i-vizon:OpenCL"
Folder Structure:
common :
               Common headers
               System utilities
utils
docs
               My notes
opencl
               Wrappers and try outs
               Wrappers and try outs
gles
               Wrappers and try outs
pcl
               Wrappers for linux APIs
linux
c++11
               For newbies
data
               All data file needed for the exercises
General Structure:
==============
library_name/
       wrappers/
               inc/
               src/
               *.pri
       1.hello_world
               Qt/
                       hello_world.pro
               hello_world.cpp
       2.exercise_two
       3.exercise_three
       4.exercise_four
       5.exercise_five
Naming Convention Followed:
______
Point Cloud C++ coding guide lines
FileNames:
========
file_name_one.h/.cpp
Compiler and IDE used:
gcc (Ubuntu/Linaro 4.6.3-1ubuntu5) 4.6.3
QtCreator 2.8.1
Software Libraries/SDKs Used:
_____
1.0penCL 1.1/1.2
2.0penMP 3.0
3.0penCV 2.4.8
4.Boost 1.54
5.Qt 4.8.0
6.PCL 1.7
I will leave the installation guide to Google.
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Important:

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Code base is still in pre release stage, will take another few months to freeze the wrappers! Right now it is upto you to explore the wrappers, till I generate Doxygen files.

ASSUMPTIONS:

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- *You are familiar with linux environment
- *You know to use QtCreator for C++ projects
- *Git is cloned in /opt/i-vizon/trunk

To Start:

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- 1.Open the *.pro file using QtCreator and configure the output folder location.
 2.In qtcreator press Ctrl+5 and under "Build Steps" add CONFIG+=linuxPC in "Additional Arguments"
- 3.If you have libraries already installed, its time to RUN and explore :)