e-Yantra Robotics Competition (eYRC-2016)

Task 0: Cross a Crater

Welcome to Task-0 of Cross a Crater!!

The aim of this task is to get you started with installation of required software. You need to install three software/libraries and run the provided python script to test the installation of the software/libraries.

You will find the following folders in Cross_a_Crater along with this Read Me file.

- **First Folder is Installation_Instructions:**

  ✓ Please find the *Prerequisites.pdf* file in this folder.

  ✓ Follow the instructions in the *Prerequisites.pdf* file to **install** the following softwares:

    1. Python

    2. NumPy

    3. OpenCV

- **Second Folder is Test_setup:**

  ✓ Please find the file checkversion.*py*

  ✓ Open Terminal/Command Prompt.

  ✓ From Terminal/Command Prompt change directory (using *cd* command) to *Test_setup*

  ✓ Type *python checkversion.py.*

  ✓ You should get output as shown in Figure 1.

  ✓ Note that Python, OpenCV and NumPy installation comes OK!!

✓ In case of discrepancies, make sure that you make necessary corrections.

Figure 1: Output Window after running script

● **Submission Instructions:**

✓ If your checkversion.py runs with all OK!!, take the screen-shot of terminal and save it as *"output.png". In* Test_setup folder, a file named *"output.csv" gets saved automatically.*

✓ Save both the files in a folder #Teamid_Task0

✓ Compress the folder into zip format and upload the .zip file as per instructions on Portal Interface.

Note: Do not edit any line in *"checkversion.py" or in "output.csv".* The files submitted by you will be run through a test script for automatic grading. Teams making any changes will be disqualified.