e-Yantra Robotics Competition (eYRC - 2018)

Task 1 - Thirsty Crow

This task is divided into two parts:

- Task 1.1 - Augmented Reality with OpenCV
- Task 2.2 - Augmented Reality using OpenGL

You will find the following folders in Task 1.zip along with this Read Me file and Submission Instructions pdf file.

- **Task 1.1**

  Please find the following files in this folder:

  1. Problem Statement folder
     a) detect.py python file
     b) TestSuite.py python file
     c) System.npz camera calibration file
     d) Problem Statement pdf file
  2. SavedResults folder
     a) drawAxis folder
        i. axis1.jpg - axis8.jpg image files
     b) drawCube folder
     c) drawCylinder folder
  3. TestCases folder
     a) image_1.jpg - image8.jpg image files
  4. Tutorials folder
     a) ArUco library pdf file
     b) Getting_started_with_ArUco pdf file
     c) Introduction_to_OpenCV_Python

  Please follow the instructions in *Problem Statement.pdf* to complete Task 1.1 correctly.

- **Task 1.2**

  Please find the following files in this folder:

  1. ArUcoMarkers folder
     a) aruco_2.jpg, aruco_6.jpg, aruco_7.jpg, aruco_8.jpg image files
  2. Problem Statement folder
     a) GLteapot.py python file
     b) Problem Statement pdf file
     c) texture_1.jpg - texture_4.jpg image files

3. Task 1.2 Read Me pdf file

Please follow the instructions in *Problem Statement.pdf* to complete Task 1.2 correctly.

Instructions for uploading Task 1 solution are provided in the Submission Instructions pdf file

Best of Luck !!