

OpenGL Assignment

Question

Given an STL file:

- Visualize the 3D model representing the input file
- On a mouse click, do the transformations (scaling and rotation in all directions) on the 3D model

Instructions

Sample input and output are uploaded as additional files in the course page. From the sample STL file (stored as txt file), read the necessary data required to process. **Please note that when you submit the screenshots of outputs, the OpenGL window should be titled with your Roll Number.** For example, in the sample screen shot of the output, the window was titled as “OpenGL- First window demo”, instead of that give the title as “Your Roll Number (eg: B170832CS)”.

Please submit the assignment in a folder named as **YourSerial#_YourRoll#**. The folder should have the following contents:

- 1) The source code with documentation of each function
- 2) Sample input file in txt format
- 3) Screenshot of the sample input
- 4) Screenshot of the output 3D model
- 5) Video of the transformations

If you have any clarifications on the above mentioned points, please contact me on or before 5th April 2021.