

SCHOOL OF COMPUTING

Faculty of Engineering

SCSV4543-02

ADVANCED COMPUTER GRAPHICS (Session 2020/2021 Semester 2) School of Computing

Universiti Teknologi Malaysia

ASSIGNMENT 13D TRANSFORMATIONS

PREPARED BY

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INTRODUCTION

In this assignment 1, by using C++ platform and openGL libraries, we produce the required three simple primitive 3D objects to be displayed. We display a cube, a pyramid and a cuboid. The program runs one at a time and no looping function to repeat loading the objects in the same windows output. The program menu will end after displaying output from the user choices and also if the input is invalid.

OUTPUTS

1. Basic Menu interactions which include the input from users. The system colors change to white background and white color for texts.



Figure 1 Basic Menu windows.

2. The basic and composite 3D geometric transformations techniques for translation, scaling, rotation and spinning for each simple primitive object, which is cube, pyramid and cuboid. There will be a new window for spinning functions.

























