Computer Graphics Lab Project Read Me Document

Course Name: Computer Graphics Lab

Course Id: CSI-422

Section: B

**Group Members Info**

**Member 1 : Nasir Uddin Ahmed (Id:011 151 086)**

**Member 2 : Prity Lata Chowdhury (Id: 011 151 091)**

**Project Type : Scenario (Village Side Road View)**

**Project Specification : 2d**

**Platform : OpenGl**

**Language : C,C++**

**Controller : Key Board And Mouse**

**Functions :**

1. **Void circle() => Used to draw the sun and moon**
2. **Void car() => Used to draw the car**
3. **Void cloud() => Used to draw the clouds**
4. **Void day() => Used to draw the day background scene**
5. **Void night() => Used to draw the night background scene**
6. **Void moon() => With the help of circle function the moon is being drawn**
7. **Void sun()=> With the help of circle function the sun is being drawn**
8. **Void grass()=>The Road side grasses are being drawn**
9. **Void tree() => Tree shape is drawn**
10. **Void treebody()=> Trunk of the tree is being drawn**
11. **Void home1() => Home close to the viewer is being drawn**
12. **Void house()=> Home far from the viewer are being drawn**
13. **Void display()=> Holds the entire code, it’s been called from the main function**
14. **Void keyDisplayAnimationNight() => Sets the window to night scene animation**
15. **Void keyDisplayAnimationDay() => Sets the window to day scene animation**
16. **glutMouseFunc () => Left Button of the mouse is used to start the animation, right button is used to pause the animation.**
17. **glutKeyboardFunc() => Key “d” is used to view the day time animation. Key “n” is used to view the night time animation.**

**Short Description : After running the .exe The program will run. By pressing left button of the mouse the animation will start. It will move the clouds lit the sun , and the car will move.**

**By default it will show the day time animation. By pressing “n” it will change the background and convert the sun into moon.**

**Instruction :**

**bin->Debug->011151086\_&&\_011151091.exe**

**Click mouse left button to start animation**

**Click mouse right button to pause animation**

**Press “n” for night mode**

**Press “d” for day mode**

**Back ground work: int main calls the**

**glutInitDisplayMode (GLUT\_SINGLE | GLUT\_RGB);**

**glutInitWindowSize (1350, 690);**

**glutInitWindowPosition(0, 0);**

**glutCreateWindow ("Village Side Road Scene");**

**init();**

**glutDisplayFunc(display);**

**glutMouseFunc(mouse);**

**glutKeyboardFunc(keyboard);**

**glutMainLoop();**

**from display other functions are called.**

**Group Project Task Division :**

**Member 1 : Nasir Uddin Ahmed (Id:011 151 086)**

**Tasks: Day ,night effect, moving the car,cloud**

**Drawing the moon, animation (70%)**

**Member 2 : Prity Lata Chowdhury (Id: 011 151 091)**

**Tasks: Drawing the house, road, tree,animation (30%)**