

# **Computer Graphics**

**Group Project (Group of three allowed)**

**Submission Due: Nov 30, 2019, 11:59 pm**

## **Project**

### **Tools/Software Requirement**

- WebGL enabled browser and an appropriate IDE.
- You can use THREE.js but drag and drop tools like Untiy3D are not allowed.

### **Theme:** Solar System for Educational Purposes

The idea of the project is to create a tool that can assist school teachers to teach solar system in a grade 5 class. The tool needs to incorporate:

1. User controlled 3D Rendering [10]
2. Texture mapping [10]
3. User controlled Lighting [10]
4. User controlled Animations [10]
5. User controlled navigation [10]
6. User controlled display of relevant information for the user [10]
7. Easy of use [10]
8. Aesthetically pleasing [10]
9. Additional features for teaching [20]

### **Deliverables**

Submit only ONE zip file in the dropbox folder. Make sure to bundle all the **dependent libraries** in the zip file so your program is **ready to run**. LIST the names of all the group members and their student numbers in the start of the index file.

Please name your folder in the following format BEFORE you create a zip file.

“FIRST\_NAME\_FIRST\_NAME\_FIRST\_NAME”