

Assignment 4: Make Your Own Animation Movie

CSE251 - Graphics, Spring 2017

Due: 23rd March

1 The Problem

This assignment is in groups of two. A doc will be sent where you have to fill out your teams.

The goal of assignment is to create an animated video that is atleast 30 seconds and atmost 60 seconds long. You have to choose one theme and write the script for it. Develop the characters and make them move according to your script. Enrich the world with textures and lighting. You can save each image into seperate image files and then combine the images into seperate image files and then combine the images to form a video. Finally use a video editing software to add sound to the movie. The dialogs should be in your own voice. You can add background music to enrich the movie. You are allowed to use any library/software/framework to accomplish the specified task.

The requirements mentioned below is the minimum set. Be creative and bring out your imagination into it. The primary criteria for evaluation will be the graphical detail of the movie. Other aspects will also be taken into consideration.

2 The Theme

You may select any one of the following as the theme of your video.

1. Life @IIT Campus
2. Telecom Revolution
3. Childhood Memories
4. Life @Planets

5. Evolution of Art forms

You are free to choose your point of view about the theme in your script. The language maybe English(preferably) or Hindi. It is mandatory that you keep the script and video suitable for audience of all ages.

3 Characters and the world

You are supposed to design one of your main characters completely on your own. This character should have some amount of articulation of parts and should not be a simple rigid object. You may use downloaded models for additional characters. You need to clearly mention the sources (with links) of the sources of your models in the file that you submit.

The world could contain additional static or dynamic objects. Also add some realistic lighting.

4 Submission

The submission should contain a pdf report that contains the script and the steps you followed in creating the movie. It should also contain a link to the your video that is uploaded on youtube. The last frame should contain your names and roll numbers. The video resolution should be 1280X720. In addition to the video you should include the code and the data files that you used to generate the video frames all in a single zip file along with the report. If the zip file size is too big then upload on github and add the link in the report.

5 Grading

The grading distribution is as follows:

1. Graphical Details: 75%
 - (a) Characters: 25%
 - (b) Animation: 20%
 - (c) World and Texture: 20%
 - (d) Lighting: 10%
2. Script: 10%
3. Video Editing and Audio: 15%

The teammates must be ready to answer any question regarding the code and the process of creating of video.