

Assignment 4: Make Your Own Animation Movie.

Due Date: April 16th, 10 pm.

1 The Problem

This assignment will be done in groups of two or three. You may form your groups and inform the same to the TAs using the form/doc that they will share by Friday, April 1st.

The goal of this assignment is to create an animated video that is 30 seconds long. You will write a script for the theme below, develop characters to act in the video and make them move according to your script. Enrich the world with textures and lighting. Save each frame of the movie into separate image files and then combine the images to form a video. Finally use a video editor software to add sound to the movie, where the dialogs are in your own voice. You may add background music to enrich the movie.

The requirements mentioned below is the minimum set. It is recommended that you enrich your movie according to best of your imagination and ability. While the primary criterion of evaluation will be the graphical detail of the movie, other aspects will also be considered (see the grading section).

2 The Theme

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

1. Swacch Bharat
2. Climate Change
3. Friendship
4. Politics in University Campus

You are free to choose your point of view about the theme in your script. The language may be English or Hindi.

It is mandatory that you keep the script and video suitable for audiences of all ages.

3 Characters and 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 that is appropriate to the mood of your video.

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 your video that is uploaded on youtube. The first frame of the video should contain the names and roll numbers of the members of your team. The video resolution should be 1280x720. In addition to the pdf file, you should also include the code and data files that you used to generate the video frames, all in a single zip file along with the pdf report.

5 Grading

The grade distribution will be as follows:

1. Graphical Detail: 70%
 - (a) Characters: 30%
 - (b) Animation: 10%
 - (c) World and Texture: 20%
 - (d) Lighting: 10%
2. Script: 15%
3. Video Editing and Audio: 15%

While you may divide the task of video creation among your team members, all of you should be ready to answer any questions regarding the code and the process of creation of the video.