

NATIONAL FILM DEVELOPMENT CORPORATION LTD.

VISUAL SPECIAL EFFECTS (VFX)

- Interactive online course -

Software: Adobe After Effects (CS5 and Above)

Basic of Visual Special Effects.

At its core, Visual Effects (abbreviated VFX) is the process by which digital imagery is created to manipulate or enhance real world footage that has been filmed with a video camera.

Visual effects involve the integration of video camera footage and generated imagery to create environments which look realistic, but would be dangerous, expensive, impractical, time consuming or impossible to capture on film.

Visual Effects are not just limited to big block buster films, they are commonly seen in television commercials, broadcast series, architecture, advertising and more.

What all are the Softwares used for Vfx in the Industry? Where all Vfx is used? What is specialized in Adobe After Effects?

Basics and Fundamentals, Sizes and Frame rate used for Theatres and Tv Commercials

Detail of all required tools:

The After Effects interface is divided into panels, where you will do most of your work. Some panels are for previewing footage or animation, and others set options for the tools, while others are for creating animation. All the panels in After Effects are accessible through the Window menu. To help you better understand the panels, we've divided them into two groups: Primary panels, which you will use more frequently, and Secondary panels, which you will use less often.

Titles and Graphics

Create titles: directly on your video using the Type tool in the Essential Graphics panel. Add shapes, text, images, and video to layers that you can rearrange and adjust with tools.

Motion Graphics: Motion graphics is animation, but with text as a major component. Essentially, it's animated graphic design.

Motion graphics are a way to communicate with the viewer, and add depth to the story. Together with music and effective copy, they can give us a message. You can use them to create ads, title sequences for movies, put simply, motion graphics are animation, with text as a major component. Good templates use motion graphics to help you communicate your message.

Compositing

Compositing is the action of layering all the various elements in a shot – live action, mattes, multiple CG passes, 3D lighting, animation, particle effects – and blending them all seamlessly to create the photo-realistic final shot. Working throughout the production process, you'll need to collaborate with other VFX departments to creatively and technically problem solve along the way.

Keying

In this article, we'll take a detailed, step by step look at the various methods to keying green screen footage in Adobe After Effects.

Of all the editing software, you'll probably get the best key results in After Effects. There are several methods for working with After Effects green screen footage. Adobe recommends using a built-in preset with a combination of three effects. This method works great for beginners (and experts) because it produces quick (and usually great) results. We'll walk you through how to do this step-by-step. Of course, the process of keying in all depends on the quality of your green screen footage.

Motion tracking overview and resources:

With motion tracking, you can track the movement of an object and then apply the tracking data for that movement to another object—such as another layer or an effect control point—to create compositions in which images and effects follow the motion. You can also stabilize motion, in which case the tracking data

is used to animate the tracked layer to compensate for movement of an object in that layer. You can link properties to tracking data using expressions, which opens up a wide variety of uses.

After Effects tracks motion by matching image data from a selected area in a frame to image data in each succeeding frame. You can apply the same tracking data to different layers or effects. You can also track multiple objects in the same layer.

Rotoscoping

Rotoscoping is used to create a matte or mask for an element so it can be extracted out of place on a different background, masked out so colours can be changed or any other set of reasons. The rotoscoping artist will normally trace an object using a set of tools to create a new alpha channel for a specific part of an image sequence or video.

Over view of plugins:

The best After Effects plugins for speeding up your workflow and adding new features. The right After Effects plugins can transform the way you work. Adobe After Effects CC is a core application for so many artists because it can do so much out of the box, but when coupled with the huge range of third party plugins it can take things to another level with new functionality or a streamlined workflow.

In this post, we'll take a dive into the glorious world of **After Effects CC** plugins. These After Effects plugins will help enhance your workflow, add features that simply don't exist in the core After Effects application, and simply make stuff look cool.

Visual Effects3d Compositing:

VFX today is heavily used in almost all movies produced, VFX used extensively around ninety percent of the film utilized VFX and CGI. Other than films, television series and web series are also known to utilize VFX

Layer Composition and multi layer Composition: Compositing is the final step of the VFX pipeline. A skilled Compositor layers together various elements in a way that makes them appear to naturally belong in the same space. Z-depth is basically a black and white representation of the depth of an object in a scene, and is very important in compositing 3D elements.

Color Correction:

In this chapter we would be covering the general information about color correction and color adjustment. Even if you use the same cameras and lights for every shot of your project, when you get to post-production you might find that your hue, saturation and brightness have changed drastically from one camera set up to the next. Once you've cut your footage, you need to even out those values to bring your video colour in line with what your eye perceives.

There's no single right way to correct the colour of your video, but a good place to start is by ensuring that your monitor is **calibrated**. Once you have an accurate sense of your monitor's colour profile, you'll know that the colours you're choosing are the right ones for a natural look. If you don't calibrate your monitor, make sure that you look at your video on a few different devices to ensure that it looks good on all of them.