

Module 1: **Introduction to VFX & Multimedia**

Fundamentals of VFX & Film Production

History & Evolution of VFX

Types of VFX (CGI, Compositing, Motion Capture, etc.)

Overview of VFX Pipeline

Module 2: **Graphic Design & Pre-Production**

Basics of Drawing & Storyboarding

Concept Art & Matte Painting

Photoshop for Textures, Backgrounds & Posters

Script Breakdown & Pre-Visualization (Previs)

Module 3: **Video Editing & Motion Graphics**

Adobe Premiere Pro (Editing, Transitions, Effects)

Adobe After Effects
(Motion Graphics, Titles, Green Screen Removal)

Basics of Sound Editing & Syncing

Creating Animatics

Module 4: **3D Fundamentals**

Blender – Interface & Tools

Modeling (Props, Characters, Environments)

Texturing & Shading

Lighting Techniques

Basic Rendering

Adobe After Effects (3D, Lighting & Camera)

Module 5: **Animation**

Principles of Animation

Keyframe Animation

Rigging & Character Animation Basics

Camera Animation

Module 6: **Visual Effects (Core)**

Rotoscoping

Keying & Green/Blue Screen Removal

Tracking (2D & 3D)

Compositing Techniques (After Effects)

Wire Removal & Clean Plate Creation

Match Moving & Set Extensions

Additional Effects (After Effects)

Module 7: **Advanced VFX**

Particle Effects (Fire, Smoke, Rain, Dust)

Dynamics & Simulations (Cloth, Fluids, Explosions)

Advanced Compositing (Multi-pass, CG Integration)

Matte Painting (Advanced Techniques)

Digital Makeup & De-aging

Module 8: **3D & CGI Integration**

Rendering Engines

Lighting for Realism

Integrating CGI with Live Footage

HDRI & Photorealistic Compositing

Module 9: Specializations (with Production Tech.)

Shoot With Camera, Green Screen, Outdoor & Indoor

Virtual Production (Unreal Engine)

Motion Capture Workflow

AR/VR VFX

Module 10: Final Project & Portfolio

Short Film VFX Breakdown

Showreel Development

Industry Workflow & Best Practices

Motion Graphics Portfolio (Project)

Career Guidance & Interview Preparation

Software Covered

Adobe Photoshop

Adobe Illustrator ,

After Effects

Premiere Pro

Blender

Unreal Engine (Virtual Production)