

**Professional 3D Animation and VFX Certification Course**  
**Syllabus for Entrance Examination**  
**Savitribai Phule Pune University | Department of Technology**

**Part – A**

**General Aptitude**

- Test of Reasoning
- Verbal Analogies
- Numerical Ability
- English Grammar
- Verbal Deductions
- Word Groups
- Structural Orientation

**Part – B**

**Graphic Design:**

Graphic Design

- Vector graphics
- Visual Elements
- RGB / CMYK
- Typography
- Principles of Color Theory
- Mood Board
- file formats
- Resolution
- Layers
- Design Principle

**Video Editing:**

Purpose of video editing

- Purpose of color grading
- Trimming
- Purpose of adding audio
- Keyframes

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- Purpose of exporting
- Transitions
- Effects
- Lower third
- Jump cut
- Green screen
- Stabilization
- Audio waveform
- Foley sound
- Ambient sound
- Sound mixing
- Color grading in video
- Color grading in video

#### **Visual Effects:**

- Green screen
- Rotoscoping
- Matchmoving
- Particle simulation
- Compositing
- Camera tracking

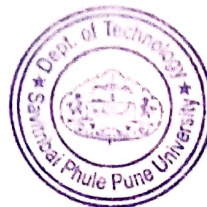
#### **Color Theory**

- Color Wheel
- Primary Colors
- Secondary Colors
- Tertiary Colors
- Warm and Cold
- Colors Value
- Tints and Shades
- Color Harmony
- Color Temperature

#### **Visual Composition**

- Principles of Design
- Balance

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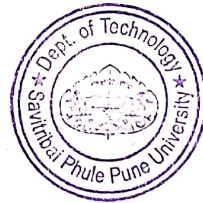


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- Emphasis
- Contrast
- Unity
- Arrangement
- Proportion
- Repetition

### 3D Animation

- Concept Art
- Storyboard
- Character Design
- 3D Modeling
- UV Mapping
- Rigging
- Skinning
- Texturing
- Animation
- Compositing
- Lighting
- Rendering



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