

AI **POWERED** **3D** **CGI**

TRACKING **MASTERY** **PROGRAM**

COURSE OVERVIEW

Blender + AI + CGI Tracking + Commercial Ads
Duration: 8 Weeks (Fast-Track Industry Program)
Classes: 3 Days/Week (2-3 Hours Each)

Students will be able to create professional CGI ads, billboard CGI campaigns, AI-assisted content, and commercial product animations.

SESSION 1

- Introduction to CGI Industry
- Commercial CGI Workflow
- Blender Interface & Navigation
- Viewport Controls
- Scene Management



SESSION 2

- Object Manipulation
- Transform Tools Tools
- Collections & Organization
- Typography fundamentals
- Camera Setup



SESSION 3

- Basic Modeling
- Modifiers
- Real-World Scale
- Hard Surface Modeling
- Advanced Modeling Techniques



PRODUCT MODELING & MATERIALS

WEEK 2



SESSION 1

- Studio Lighting Setup
- Keyframes
- HDRI Lighting
- Graph Editor



SESSION 2

- UV Unwrapping
- Material Creation
- PBR Workflow
- Product Photography Lighting
- Product Animation



SESSION 3

- Glass Materials
- Metallic Materials
- Luxury Product Materials

PROJECT

Create a premium cosmetic product render.



LIGHTING, RENDERING & PRODUCT VISUALIZATION

WEEK 3



SESSION 1

- Studio Lighting Setup
- Keyframes
- Graph Editor



SESSION 2

- Product Photography Lighting
- Cinematic Lighting Techniques
- Product Animation



SESSION 3

- Cycles Rendering
- Render Optimization
- Render Passes

PROJECT

Luxury Product
Advertisement Render



ANIMATION & CGI TRACKING

WEEK 4



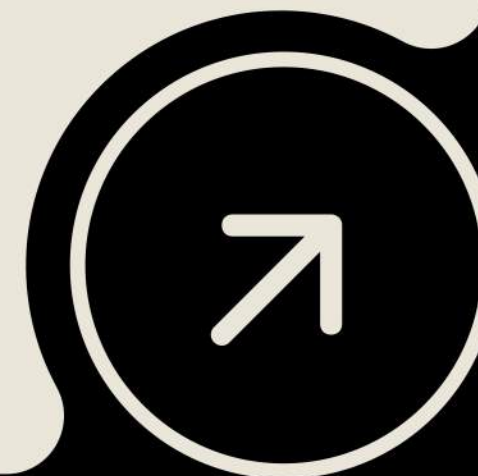
SESSION 1

- Animation Principles
- Camera Tracking in Blender
- Motion Tracking
- Camera Solving



SESSION 2

- Camera Animation
- Ground Plane Setup
- Shadow Catchers
- Object Placement



SESSION 3

- Commercial Product Reveal
- Dynamic Motion Design
- Billboard CGI Workflow
- Perspective Matching
- Scale Matching

PROJECT

Create a Giant Product
Billboard CGI Ad



AI INTEGRATION FOR CGI ARTISTS

WEEK 5



SESSION 1 | ChatGPT Gemini

- Script Writing
- Storyboarding
- Shot Planning
- Image Editing
- Concept Development



SESSION 2 | Kling Veo

- Character Consistency
- Motion Control
- Video Generation
- Cinematic Video Creation
- Prompt Engineering



SESSION 3

- AI to Blender Workflow
- AI Texture Creation
- AI Product Concepts

PROJECT

Create an AI-assisted
CGI Advertisement Concept



COMMERCIAL PRODUCTION & PORTFOLIO

WEEK 6



SESSION 1

- Environment Matching
- HDRI Capture
- Lighting Matching
- Advertisement Structure
- Brand Storytelling
- Creative Direction



SESSION 2

- Blender Compositing
- Render Layers
- Reflection Matching
- Freelancing & Client Acquisition
- Pricing CGI Projects
- Building a Portfolio



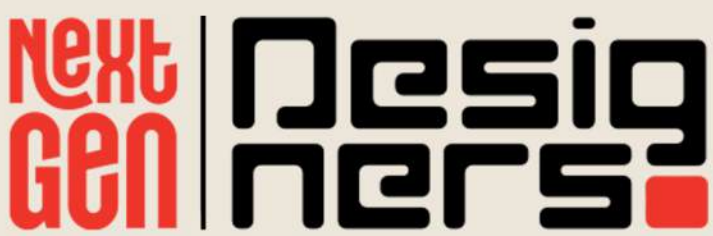
SESSION 3

- After Effects Integration
- Color Grading
- Final Polish
- Showreel Creation
- Final Project Review



FINAL CAPSTONE PROJECT

Students
will create:



PROJECT 1 | PRODUCT COMMERCIAL

- Modeling
- Materials
- Lighting
- Animation



PROJECT 2 | BILLBOARD CGI

- Tracking
- Integration
- Compositing

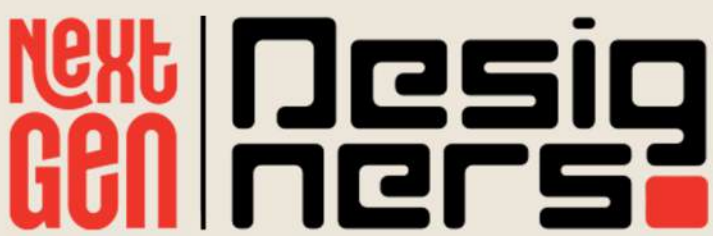


PROJECT 3 | AI + CGI ADVERTISEMENT

- AI Concept
- Blender Production
- Final Edit



DELIVERABLES



Students will create

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|---|-------------------------------------|
| 2 Professional Product Renders | 1 CGI Tracking Project |
| 1 Product Launch Commercial | 1 AI-Assisted Advertisement |
| 1 Billboard CGI Advertisement | 1 Professional Showreel (30–60 sec) |
| Portfolio Ready for Freelancing & Agency Jobs | |

Software Covered

- | | |
|---------------------|---------------|
| Blender | ChatGPT |
| Adobe After Effects | Google Gemini |
| Adobe Photoshop | Kling |
| Adobe Premiere Pro | Veo |

This structure is ideal for a weekend or evening academy model, focused on the exact skills clients currently pay for: Product CGI, Billboard CGI, AI Video Creation, CGI Tracking, and Commercial Advertising.