TRINITY 3D - MASTER IN REALTIME 3D, VFX AND GAME DEVELOPMENT

Mastering The Art Of Films and Games

ARENA ANIMATION®

Learn from the Leader





INDUSTRY INSIGHT

The VFX industry is evolving rapidly with advancements in real-time rendering, AI-driven automation, and virtual production. Unreal Engine is transforming VFX workflows by enabling photorealistic environments, real-time compositing, and AI-assisted effects, reducing production time and costs significantly. The demand for high-quality VFX in films, TV, gaming, advertising, and the metaverse is surging, pushing studios to adopt more efficient and immersive techniques. The future of VFX lies in real-time production, AI-powered automation, and cross-platform content creation, making Unreal Engine a game-changer in the industry.

India is Poised to Become a Global Hub for VFX
The growth of India's VFX industry is driven by:
A Highly Skilled Workforce in CGI, compositing, and real-time rendering
Cost-Effective Production attracting major Hollywood & global studios
Increased Demand for High-Quality VFX in films, OTT content, and gaming
Government Incentives & AVGC (Animation, VFX, Gaming & Comics) Policy Support
Growing Use of Virtual Production using real-time technologies like Unreal Engine

Advantages of the VFX Industry in India
World-Class VFX Studios working on Hollywood, Bollywood, and global projects
Cutting-Edge Technology Adoption with Unreal Engine, AI, and cloud rendering
Global Outsourcing Hub for major studios like Disney, Marvel, Netflix & Warner Bros.
Strong IT & Software Expertise driving AI-powered VFX workflows
Expanding Demand Across Industries including films, gaming, and the metaverse



About

Trinity 3D is a comprehensive program that equips artists with technical and creative mastery across digital design. Starting with foundational 2D/3D design and animation principles, learners progress to advanced workflows in hyper-realistic asset creation, immersive world-building, and interactive gameplay systems.





ARENA ANIMATION®
Learn from the Leader

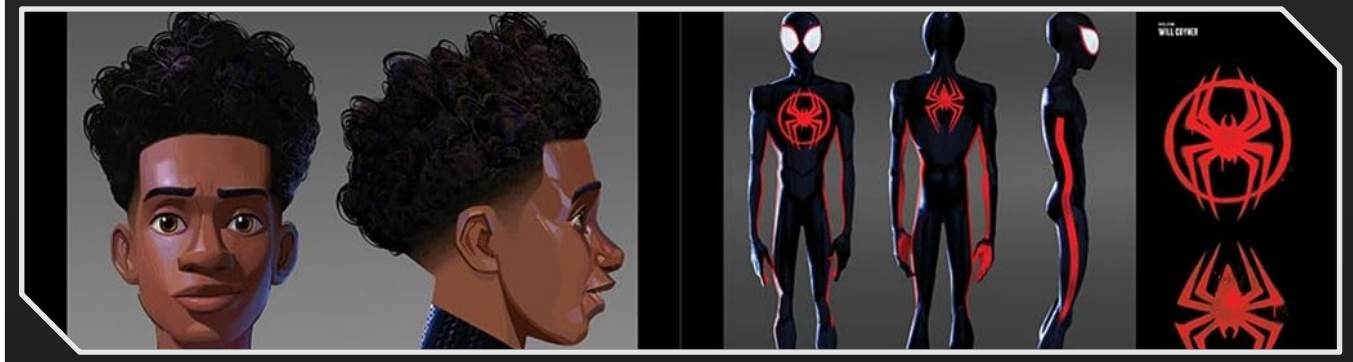
COURSE HIGHLIGHT:

- Job-oriented, industry centric curriculum
- Hands-on practical training using latest tools and software
- Certified faculty
- Exposure to industry interaction and workshops
- Placement assistance
- Access to **Pro Connect**, a platform to showcase your portfolio

Course Duration : **880 Hours**

Delivery Pattern :
2 Hours, 3days / week

Course Content



Creative Design & Digital Art

Duration: 120 hrs



Motion Design & Digital Media

Duration: 126 hrs



Introduction to 3D World

Duration: 154 hrs

ARENA ANIMATION
Learn from the Leader

Course Duration : **880 Hours**

Delivery Pattern :
2 Hours, 3days / week

Course Content



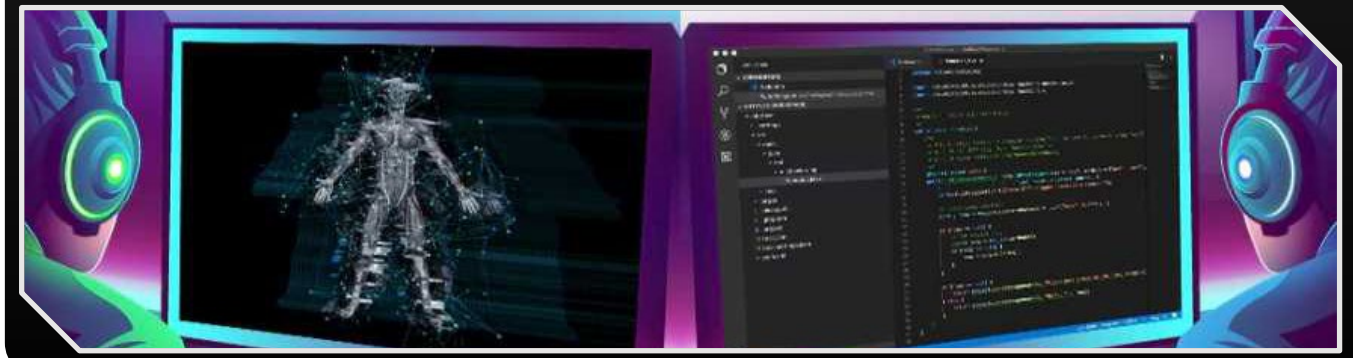
Advanced 3D Design and Cinematics

Duration: 176 hrs

Advanced FX & Compositing

Duration: 156 hrs





Comprehensive Game Development

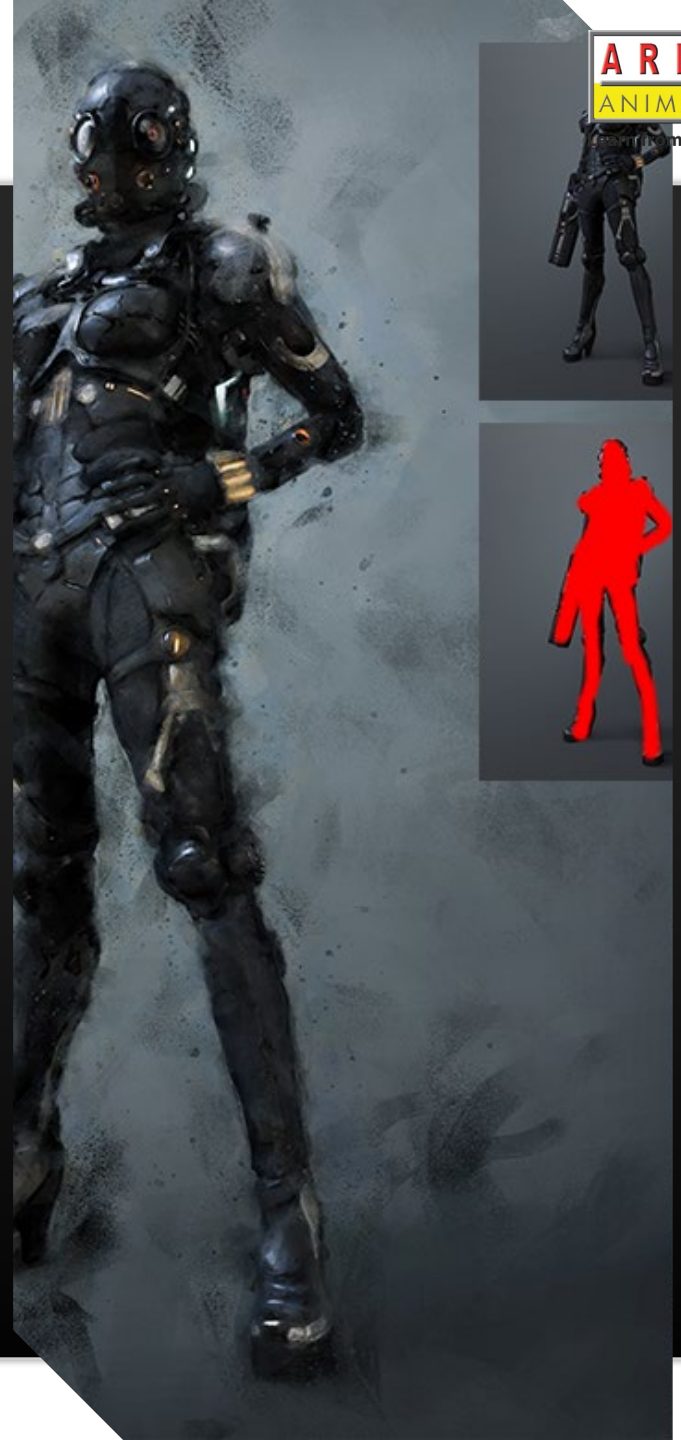
Duration: 148 hrs

ARENA ANIMATION
Learn from the Leader

Course Structure

Term 1: Creative Design & Digital Art

History of Animation & Fundamentals	Conceptual	2	4	0	4	8
Concept & Principles of 2D Animation	Conceptual	2	4	0	4	0
Perspectives and Character Design	Conceptual	4	8	0	8	4
Storyboard Mastery	Storyboarder	4	8	6	14	2
Cinematography & Photography Basics	Conceptual	4	8	0	8	0
Foundation of Visual Design & Communication	Conceptual	3	6	0	6	0
Color and Light Magic	Conceptual	4	8	0	8	0
Mastering Digital Illustrations	Adobe Illustrator CC	10	20	8	28	0
Pixel Perfect Painter	Adobe Photoshop CC	14	28	12	40	2
TOTAL		**47**	**94**	**26**	**120**	**16**



Course Structure

Term 2: Motion Design & Digital Media

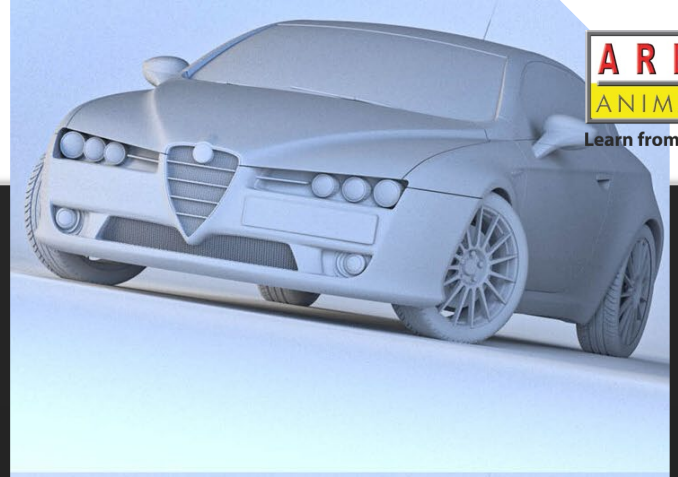
Cinematic Edits	Adobe Premier Pro CC	10	20	6	26	4
Digital Sound Craft	Adobe Audition CC	4	8	2	10	2
2D Animation Mastery	Adobe Animate CC	10	20	6	26	10
Motion Graphics	Adobe After Effects CC	12	24	8	32	10
Importance of Color Grading	DaVinci	4	8	4	12	6
Ai Art Innovator	Gen Ai tools for Text/Image/Video	6	12	4	16	10
Portfolio Powerhouse	Conceptual	1	2	2	4	20
TOTAL		**47**	**94**	**32**	**126**	**62**



Course Structure

Term 3: Introduction to 3D World

Understanding CG Pipeline	Conceptual	2	4	0	4	0
Asset Creation for CGI & Games	Autodesk Maya	15	30	8	38	6
Mastering Digital Sculpting	Maxon ZBrush	10	20	10	30	8
Textures and Details	Autodesk Maya	6	12	8	20	6
Realistic Surface Creation	Adobe Substance Painter	9	18	8	26	4
Illuminating Assets	Autodesk Maya with Arnold	12	24	8	32	8
Portfolio Powerhouse	-	1	2	2	4	20
TOTAL		**55**	**110**	**44**	**154**	**52**







Course Structure

Term 4: Advanced 3D Design and Cinematics

Bringing Characters to Life with Rigging	Autodesk Maya	6	12	10	22	4
Art of 3D Animation	Autodesk Maya	12	24	12	36	6
Ai Powered 3D Workflow	Gen Ai tools for 3D Assets Creation & Animation	3	6	2	8	10
3D FX, Dynamics and Simulations	Autodesk Maya nCloth & X-Gen	12	24	12	36	8
Cinematic Realism with Unreal	Unreal Engine	18	36	24	60	16
Hyper-realistic Character Creation	Meta Human	6	12	2	14	0
TOTAL		**57**	**114**	**62**	**176**	**44**



Course Structure

Term 5: Advanced FX & Compositing

Real World Replication	Reality Capture	4	8	8	16	4
Introduction to Virtual Production	Conceptual	2	4	0	4	0
Procedural FX with Houdini	Houdini	12	24	12	36	12
Advanced Roto with Silhouette	Silhouette	6	12	6	18	6
Art of Camera Tracking	3D Equalizer	6	12	6	18	6
Magic of Compositing with Nuke	Nuke	20	40	20	60	32
Portfolio Powerhouse	Conceptual	1	2	2	4	20
TOTAL		**51**	**102**	**54**	**156**	**80**



Course Structure

Term 6: Comprehensive Game Development

Understanding Unreal Engine for Game Development	Unreal Engine 5.0	2	4	4	8	2
Design Game Worlds with the Level Editor		10	20	14	34	4
Create Game Elements with Actors		5	10	8	18	4
Simplify Game Logic with Blueprints		5	10	8	18	4
Set Up Player Controls and Inputs		3	6	6	12	2
Enhance Gameplay with Collision Systems		3	6	6	12	2
Design User-Friendly Interfaces		3	6	6	12	2
Integrate Audio for Immersive Experiences		3	6	6	12	2
Export and Share Your Game Demo		3	6	6	12	2
Build a Standout 3D Portfolio		1	2	4	6	4
Portfolio Powerhouse		1	2	2	4	20
TOTAL		**39**	**78**	**70**	**148**	**48**





SUMMARY

ARENA ANIMATION
Learn from the Leader

Total Hours

880 hrs

Total Terms

6

Software's Covered

Storyboarder, Adobe Illustrator CC, Adobe Photoshop CC, Adobe Premier Pro CC, Adobe Audition CC, Adobe Animate CC, Adobe After Effects CC, DaVinci, Gen Ai tools, Maxon ZBrush, Autodesk Maya, Adobe Substance Painter, Arnold, Maya nCloth & X-Gen, Unreal Engine, Meta Human, Reality Capture, Houdini, Silhouette, 3D Equalizer, Nuke, Unreal Engine.

Course Code

XXXXXXXXX

COURSE OUTCOME



The Trinity 3D Master's program equips students with a comprehensive skill set to excel in Realtime 3D, visual effects, and game development. Learners begin by mastering foundational principles of animation, storytelling, and visual design, including storyboarding, color theory, and lighting techniques to enhance mood and narrative. They progress to creating dynamic 2D animations, motion graphics, and cinematic edits while integrating sound design for immersive media experiences. The curriculum then transitions to 3D artistry, covering character design, sculpting, photorealistic texturing, and lighting to craft visually compelling assets. Advanced modules focus on rigging, character animation, procedural effects, and simulations to bring lifelike motion and realism to digital creations. Students explore cinematic production pipelines, virtual environments, and hyper-realistic character development, while leveraging AI tools to streamline workflows and innovate in asset creation. The program culminates in game development, teaching level design, interactive systems, and user interface optimization to build engaging, playable experiences. Throughout, learners refine their ability to solve creative challenges, collaborate across disciplines, and assemble polished portfolios that demonstrate technical proficiency, artistic vision, and readiness for industry roles in animation, VFX, or game design.

CAREER OPPORTUNITIES



- Graphic Designer
- Digital Illustrator
- Video Editor
- Storyboard Artist
- Motion Graphics Designer
- 3D Modeler
- Environment Artist
- Technical Artist
- UI Artist for Games
- Game Developer
- 3D Game Artist
- Texturing Artist
- Compositor
- Cinematic Artist
- Digital Sculptor
- Lighting/Rendering Artist
- 3D Animator
- Character Rigger
- Technical Artist
- Game Designer
- Level Designer
- 2D Game Artist

ELIGIBILITY

Eligibility Criteria:

10 + 2

Certification: Trinity 3D – Master in Realtime 3D, VFX, Game Dev

Certificate Type :Certificate of Accomplishment

REASON TO BELIEVE

ARENA ANIMATION®
Learn from the Leader



INDUSTRY-RELEVANT CURRICULUM

Designed with cutting-edge tools and technologies like Gen AI, ensuring students are industry-ready.



DIVERSE CAREER OPPORTUNITIES

Graduates can explore roles in Animation, VFX, Gaming, UI/UX, Graphic Design, Digital Content creation and more, offering flexibility and growth.



PRACTICAL HANDS-ON TRAINING

Real-world projects, live assignments, and immersive learning experiences bridge the gap between theory and application.



INDUSTRY EXPOSURE & PLACEMENT ASSISTANCE

Get access to workshops, mentorship from industry leaders, and placement support through our vast recruiter network.



PRO CONNECT

With a legacy of excellence, Arena Animation equips students with the skills, exposure, and expertise to thrive in the fast-evolving creative and digital industries.

BRAND ENGAGEMENT

ARENA ANIMATION
Learn from the Leader

Industry Collaboration and Expert masterclass	Regular masterclasses and guest lectures from top industry professionals across animation, VFX, gaming, and design.
Immersive Experience Booths	Presenting student work at Comic-Con, industry expos, and recruitment summits.
On Ground engagement and Events	Creative Minds events where students showcase their projects to industry leaders.
Student centric Engagements	Internships & Industry Projects – Real-world learning opportunities with top brands and studios across all courses
Campus Workshops & Walk-Ins	Hands-on training sessions for prospective students to experience the program before enrolling.

ARENA ANIMATION®
Learn from the Leader



THANK YOU

Reach out to us for any queries at:

arenaanimation@aptech.co.in