Generative Interior Design Training Course

Professional Development Training Course Outline

Category	Architectural Engineering	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

Generative Interior Design Training Course is designed to equip learners with advanced skills in AI-powered design workflows, parametric modeling, and generative design intelligence for modern interior spaces. This course integrates emerging technologies such as Artificial Intelligence (AI), Machine Learning (ML), MidJourney, Stable Diffusion, BIM integration, and real-time rendering engines to transform traditional interior design into a data-driven, automated, and highly creative discipline. Participants will explore how text-to-design generation, spatial optimization algorithms, and computational aesthetics are revolutionizing residential, commercial, and hospitality interiors globally.

In today’s fast-evolving creative industry, professionals are expected to master AI-assisted visualization, smart space planning, sustainable interior optimization, and digital twin environments. This training provides hands-on experience in generative AI tools, 3D visualization software, procedural design systems, and real-time client simulation workflows. By combining creativity with technology, learners will be able to produce innovative, functional, and future-ready interior environments that meet global design standards and industry demands.

Programme Curriculum

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Course Duration

5 days

Course Objectives

1. Master AI-driven Interior Design workflows
2. Understand Generative Design Algorithms for spatial planning
3. Apply MidJourney & Stable Diffusion for concept visualization
4. Develop skills in Parametric Design Systems (Grasshopper, Rhino)
5. Create AI-powered mood boards and concept ideation
6. Implement BIM-integrated interior design workflows
7. Optimize spaces using computational design intelligence
8. Build photorealistic 3D renders using AI rendering engines
9. Learn smart material selection using AI recommendation systems
10. Design sustainable interiors using eco-optimization algorithms
11. Use text-to-image and text-to-space generation tools
12. Develop client-ready AI-assisted presentation decks
13. Integrate digital twin technology in interior visualization

Target Audience

1. Interior Designers & Decorators
2. Architecture Students & Graduates
3. 3D Visualization Artists
4. BIM Specialists
5. Creative Directors in Design Studios
6. Real Estate Developers & Staging Experts
7. UX / Spatial Experience Designers
8. AI & Tech Enthusiasts in Design Industry

Course Modules

Module 1: Foundations of Generative Interior Design

- Evolution of interior design in the AI era
- Introduction to generative design systems
- Core principles of spatial intelligence
- Overview of AI tools in design workflows
- Human creativity vs machine augmentation
- **Case Study:** AI-assisted redesign of a compact urban apartment using generative layout optimization.

Module 2: AI Tools for Concept Development

- MidJourney for interior concept creation
- Stable Diffusion prompt engineering
- AI mood board generation
- Style transfer techniques in interiors
- Visual storytelling using generative tools
- **Case Study:** Luxury hotel lobby concept created using AI prompt-based ideation.

Module 3: Parametric & Computational Design

- Introduction to Grasshopper & Rhino
- Rule-based spatial design systems
- Algorithmic furniture placement
- Dynamic layout generation
- Adaptive spatial configurations
- **Case Study:** Parametric office workspace optimized for productivity flow.

Module 4: BIM Integration with AI Workflows

- BIM fundamentals for interiors
- AI-enhanced BIM modeling
- Data-driven material mapping
- Clash detection & optimization
- Smart documentation systems
- **Case Study:** Commercial retail store designed using BIM-AI integrated workflow.

Module 5: 3D Visualization & Real-Time Rendering

- Unreal Engine for interiors
- AI rendering engines overview
- Lighting simulation systems
- Photorealistic visualization techniques
- Virtual walkthrough creation
- **Case Study:** Real-time rendered luxury villa walkthrough for client presentation.

Module 6: Sustainable Generative Design

- AI-driven eco-material selection
- Energy-efficient spatial design
- Waste reduction algorithms
- Climate-responsive interiors
- Sustainable furniture optimization
- **Case Study:** Green-certified co-working space designed using AI sustainability models.

Module 7: Smart Interior Automation & IoT Integration

- Smart home interior systems
- IoT-based spatial interaction
- Adaptive lighting & environment control
- AI-driven comfort optimization
- Human-centric smart interiors
- **Case Study:** AI-controlled smart apartment with adaptive lighting and climate systems.

Module 8: Client Presentation & Digital Twin Environments

- AI-generated presentation decks
- Virtual reality walkthroughs
- Digital twin simulation systems
- Real-time design editing with clients
- Persuasive storytelling in design pitches
- **Case Study:** Real estate project sold using immersive digital twin experience.

Training Methodology

This course employs a participatory and hands-on approach to ensure practical learning, including:

- Interactive lectures and presentations.
- Group discussions and brainstorming sessions.
- Hands-on exercises using real-world datasets.
- Role-playing and scenario-based simulations.
- Analysis of case studies to bridge theory and practice.
- Peer-to-peer learning and networking.
- Expert-led Q&A sessions.
- Continuous feedback and personalized guidance.

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call *+254769199797*

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Online	$1,000
23 Nov 2026	27 Nov 2026	Physical	$1,500
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$4,500
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$6,000

Ready to enroll or request a customized program? Book online or contact us:

Register Online Now

Email: info@fineskilltrainingcenter.com | Website: www.fineskilltrainingcenter.com