Training Course on Artificial Intelligence in Real Estate Development and Facilities

Professional Development Training Course Outline

Category	Real Estate Institute	**Duration**	10 Days
Base Fee	$3,000 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

The future of real estate is increasingly shaped by disruptive technologies, with Artificial Intelligence (AI) leading the transformation across development, investment, and facilities management. **Training Course on Artificial Intelligence in Real Estate Development and Facilities** is strategically designed to empower real estate professionals, facility managers, and investors with the cutting-edge knowledge and practical tools required to leverage AI for competitive advantage. By combining smart algorithms, predictive analytics, and data-driven insights, AI can revolutionize property valuation, design optimization, tenant engagement, and maintenance planning, all while reducing operational costs.

In this fast-evolving landscape, staying ahead demands continuous learning and tech-savvy decision-making. This intensive training will immerse participants in the applications of machine learning, computer vision, natural language processing, and AI-powered platforms within real estate ecosystems. From AI-driven urban planning to intelligent property management systems, learners will gain industry-relevant skills, hands-on experience, and exposure to real-world case studies to future-proof their careers and optimize their organizational strategies.

Programme Curriculum

Training Course on Artificial Intelligence in Real Estate Development and Facilities

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Course Objectives:

1. Understand the fundamentals of Artificial Intelligence in PropTech.
2. Explore AI-driven real estate analytics and predictive modeling.
3. Analyze smart property development and AI-enhanced building design.
4. Apply machine learning to property valuation and investment forecasting.
5. Leverage computer vision for property inspections and facility monitoring.
6. Integrate AI in tenant experience and digital concierge services.
7. Implement automation in lease management and real estate operations.
8. Examine AI-powered energy efficiency and sustainability in buildings.
9. Evaluate big data integration in smart city infrastructure.
10. Assess the ethical implications of AI in real estate decisions.
11. Develop AI-enhanced maintenance scheduling and fault detection.
12. Use NLP for contract analysis and legal documentation.
13. Design AI-centric workflows in property and facilities management.

Target Audience:

1. Real Estate Developers
2. Property Managers
3. Facilities Management Professionals
4. Real Estate Investors
5. Urban Planners
6. Civil Engineers
7. AI and Tech Consultants
8. Real Estate Attorneys and Legal Professionals

Course Duration: 10 days

Course Modules:

Module 1: Introduction to AI in Real Estate

- Definition and evolution of AI in real estate
- Key concepts: ML, NLP, computer vision
- Overview of AI technologies in PropTech
- AI vs traditional real estate tools
- Real-world example: Zillow’s Zestimate model

Module 2: Smart Property Development

- AI in site selection and zoning compliance
- Predictive modeling for market demand
- Automated design tools and 3D modeling
- Energy-efficient architectural planning
- Case study: Sidewalk Labs’ Toronto smart city project

Module 3: Machine Learning for Property Valuation

- Data collection and cleansing methods
- Predictive algorithms for pricing

- Identifying market trends
- Investment risk analysis
- Case study: Redfin AI pricing algorithms

Module 4: AI in Facilities Management

- Fault detection and diagnostics
- Predictive maintenance scheduling
- Intelligent HVAC and lighting systems
- Robotic process automation (RPA)
- Case study: IBM TRIRIGA facility platform

Module 5: AI-Powered Lease and Operations Management

- NLP for document processing
- Lease extraction and compliance monitoring
- Workflow automation tools
- Smart notifications and alerts
- Case study: Leverton AI for lease analysis

Module 6: Enhancing Tenant Experience with AI

- Chatbots and virtual assistants
- Sentiment analysis from reviews
- Personalized services and smart apps
- Occupancy and behavior tracking
- Case study: Equiem’s tenant engagement platform

Module 7: Computer Vision for Inspections and Security

- AI-enabled video surveillance
- Real-time damage detection
- Facial recognition access systems
- Drones for site inspections
- Case study: EagleView for aerial property inspections

Module 8: Sustainable AI for Energy Optimization

- AI in energy consumption tracking
- Green building certification automation
- Smart energy grids and IoT
- AI recommendations for sustainability
- Case study: BuildingIQ’s energy efficiency AI

Module 9: AI in Urban Planning and Smart Cities

- Traffic prediction and modeling

- Land use and zoning optimization
- AI for infrastructure development
- GIS and satellite image processing
- Case study: CityBrain by Alibaba

Module 10: Integrating Big Data and Real Estate AI

- Sources of real estate big data
- Cloud computing in property tech
- AI data interpretation tools
- Real-time dashboards and analytics
- Case study: CompStak data platform

Module 11: Legal and Ethical Aspects of AI in Real Estate

- Data privacy regulations (GDPR, CCPA)
- AI bias and transparency issues
- Legal AI tools for real estate
- Contract automation challenges
- Case study: ROSS Intelligence in real estate law

Module 12: AI Platforms and Tools for Real Estate

- Overview of leading AI platforms
- AI APIs and integration tools
- CRM and ERP systems with AI features
- Custom AI model development
- Case study: Salesforce Einstein in property CRM

Module 13: Implementation Roadmap for AI in Real Estate

- Strategic planning and stakeholder engagement
- Resource and budget allocation
- KPIs and success measurement
- Risk management and mitigation
- Case study: CBRE AI integration plan

Module 14: Future Trends in AI and Real Estate

- Virtual reality and AI convergence
- Blockchain integration with AI
- Augmented reality in marketing
- Real-time translation and globalization
- Case study: Matterport and AI-enhanced virtual tours

Module 15: Capstone Project and Final Presentation

- Develop a real-world AI real estate strategy
- Collaborative team project execution
- Presentation of findings and tools
- Peer review and instructor feedback
- Case study: Custom project based on participant's organization

Training Methodology:

- Interactive lectures and expert sessions
- Hands-on labs and software simulations
- Case study discussions and group analysis
- Collaborative projects and real-time feedback
- Assessments, quizzes, and presentations

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	04 Dec 2026	Online	$2,000
23 Nov 2026	04 Dec 2026	Physical	$3,000
23 Nov 2026	04 Dec 2026	Physical	$6,000
23 Nov 2026	04 Dec 2026	Physical	$6,000
23 Nov 2026	04 Dec 2026	Physical	$12,000
23 Nov 2026	04 Dec 2026	Physical	$9,000
23 Nov 2026	04 Dec 2026	Physical	$12,000
23 Nov 2026	04 Dec 2026	Physical	$12,000

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

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