Health Technology Innovation Training Course

Professional Development Training Course Outline

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

Course Introduction

The Health Technology Innovation Training Course is a cutting-edge, competency-driven program designed to equip professionals with advanced skills in digital health transformation, AI-powered healthcare solutions, and next-generation medical technologies. As global healthcare systems rapidly evolve, there is an increasing demand for experts who can integrate health informatics, telemedicine, machine learning in healthcare, wearable health devices, and interoperable digital health ecosystems. Health Technology Innovation Training Course provides a deep understanding of how healthtech innovation, data-driven decision-making, and patient-centered digital solutions are reshaping modern healthcare delivery.

In today's fast-paced healthcare environment, innovation is no longer optional it is essential. This program bridges the gap between clinical practice and emerging technologies such as AI diagnostics, blockchain health records, IoT-enabled medical devices, precision medicine, and cloud-based health platforms. Participants will gain hands-on exposure to real-world applications, enabling them to design and implement scalable solutions that improve patient outcomes, healthcare accessibility, operational efficiency, and cost-effectiveness across global health systems.

Programme Curriculum

Health Technology Innovation Training Course

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Course Duration

5 days

Course Objectives

1. Master digital health transformation strategies
2. Understand AI in healthcare diagnostics and decision support systems
3. Apply machine learning for predictive healthcare analytics
4. Develop skills in telemedicine and remote patient monitoring systems
5. Explore health data interoperability and HL7/FHIR standards
6. Design IoT-based smart healthcare solutions
7. Implement electronic health records (EHR) optimization techniques
8. Analyze big data in healthcare and population health trends
9. Understand blockchain applications in secure health data management
10. Build competencies in health informatics and clinical data systems
11. Evaluate wearable health technologies and mobile health (mHealth)
12. Promote patient-centered digital care innovation models
13. Develop healthtech startup and innovation commercialization strategies

Target Audience

1. Healthcare professionals and clinicians
2. Health informatics specialists
3. Medical and biomedical engineers
4. Public health practitioners
5. Healthtech entrepreneurs and startups
6. Hospital administrators and managers
7. IT and software developers in healthcare
8. Policy makers and health system planners

Course Modules

Module 1: Digital Health Ecosystem Transformation

- Evolution of digital healthcare systems
- Role of AI, IoT, and cloud computing in healthcare
- Digital hospital frameworks and smart clinics
- Health data integration and interoperability
- Case Study: National digital health transformation in Estonia

Module 2: Artificial Intelligence in Healthcare

- AI-driven diagnostics and imaging systems
- Clinical decision support systems (CDSS)
- Natural language processing in healthcare records
- Predictive analytics for disease outbreaks
- Case Study: AI-based cancer detection systems in radiology

Module 3: Telemedicine & Remote Care Systems

- Telehealth platforms and virtual consultations
- Remote patient monitoring technologies
- Mobile health (mHealth) applications
- Rural healthcare delivery innovations
- Case Study: Telemedicine expansion during COVID-19 pandemic

Module 4: Health Data Analytics & Big Data

- Healthcare data mining techniques
- Population health analytics
- Predictive modeling for chronic diseases
- Data visualization in healthcare systems
- Case Study: Big data use in managing diabetes populations

Module 5: Electronic Health Records & Interoperability

- EHR system architecture and optimization
- HL7 and FHIR standards
- Data exchange across healthcare systems
- Cybersecurity in patient data management
- Case Study: Integrated EHR systems in large hospital networks

Module 6: Wearable Technology & IoT in Healthcare

- Smart wearables for health monitoring
- IoT-enabled medical devices
- Real-time biometric data tracking
- Remote diagnostics and alerts systems
- Case Study: Wearable ECG monitoring for cardiac patients

Module 7: Blockchain in Healthcare Innovation

- Secure patient data management
- Decentralized health records systems
- Smart contracts in healthcare billing
- Drug supply chain transparency
- Case Study: Blockchain-based health record system implementation

Module 8: Healthtech Entrepreneurship & Innovation

- Healthtech startup development lifecycle
- Innovation funding and venture capital
- Product design thinking in healthcare
- Regulatory compliance and health policies

- Case Study: Rise of global digital health startups like Babylon Health

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

Start Date	End Date	Location	Price
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