

# eCourse in Digital Health: Principles and Practice

An eLearning Program for Health & Allied Professionals, Entrepreneurs, Start-ups & Innovators



This course is offered by PHFI Centre for eLearning.

**Indian Institute of Public Health,  
Gandhinagar**

## Course offers:

The Digital Health eCourse is designed to equip participants with the knowledge and skills necessary to navigate and innovate within the rapidly evolving field of digital health.

This comprehensive program covers a wide range of topics, from fundamental concepts to advanced applications, ensuring that learners are well-prepared to leverage digital technologies for improved healthcare outcomes.



**Fundamentals of Digital Health**

**Ethical and Regulation for Digital technologies**

**Big Data Science and Interoperability**

**Product and Project Management**

**Cost Evaluation and Research**

**Emerging Technologies and Future**

## Why to Enrol in the Digital Health eCourse?

- Acquire cutting-edge knowledge in digital health technologies.
- Enhance career prospects in healthcare and IT.
- Improve patient care with advanced digital solutions.
- Foster innovation and contribute to new digital health solutions.
- Stay ahead of industry trends and adapt to changing healthcare landscapes.
- Flexible learning to balance professional commitments.

## Expert team and Interactive Learning

- The Digital Health eCourse is led by experienced professionals and industry experts in healthcare technology and digital health innovations. Instructors provide up-to-date knowledge, practical insights, and personalized feedback, ensuring relevant and comprehensive learning.
- The course features live & Pre-recorded sessions, interactive discussions, Reading Resources, virtual labs, and virtual discussion forums for an engaging learning experience. Participants collaborate, apply concepts in three months duration, and work on hands-on projects and case studies, ensuring they are well-prepared to implement digital health solutions in professional settings.

**Indian Institute of Public Health, Gandhinagar**

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## BACKGROUND

eCourse in Digital Health – Principles and Practice is a three-month eLearning program designed to cover the basics of digital health ecosystem. The course has been jointly developed by Indian Institute of Public Health Gandhinagar (IIPHG) and subject experts. It will be delivered by a multidisciplinary team from IIPHG and experts from industries.

The healthcare industry is rapidly embracing digital technologies, necessitating healthcare professionals' proficiency in digital health. This certificate course offers a comprehensive understanding of digital health technologies like electronic health records, telehealth, and mobile health applications. With India's digital health market projected to reach \$18.34 billion by 2030, these technologies are poised to revolutionize healthcare delivery.

Factors driving this transformation include rising chronic diseases, technological advancements like AI and IoT, and changing health infrastructure with digitalized care. Moreover, economic pressures and regulatory support accelerate digital health adoption.

Global health emergencies, like the COVID-19 pandemic, highlight digital health's importance in crisis management. Initiatives such as the National Digital Health Mission and Unified Health Interface aim to promote interoperability and inclusivity.

Indian Institute of Public Health Gandhinagar with its expertise in multi-disciplinary science is best positioned to offer a program on digital health.

## AIM AND PURPOSE.

This course will provide a comprehensive understanding of the emerging field of digital health ecosystem. It will help participants to:

- Develop proficiency in digital health technologies, enhancing their ability to navigate EHRs, telehealth platforms, and mobile apps effectively.
- Adapt to the evolving healthcare landscape by mastering digital transformation, ensuring their relevance and competence in a dynamic industry.
- Encourage to innovate using digital solutions, increasing efficiency, and optimizing healthcare delivery through technology.

## TARGET AUDIENCE/ELIGIBLE CANDIDATES

Doctors and Healthcare Professionals, Public health managers, Entrepreneurs, Start-ups & Innovators, Pharmaceutical Industry Professionals, Academicians, Researchers, Clinical Informatics Professionals.

This executive friendly in-depth and comprehensive program is best suited for professionals interested in creating cutting-edge technology solutions in eHealth, Personalized Healthcare, Biotech, Medical Devices, Wearables, Digital Therapeutics, and evaluation of the Digital health product.

## MODE OF DELIVERY

This is a three-month eCourse offered in eLearning mode. The program will be based on a combination of online lectures (asynchronous), electronically submitted assignments, Interactive Sessions, Case Study Discussions, Exercises and Self-learning.

## CONTENT

Topics Includes: A. Fundamentals of Digital health, B. Product Design and Management, C. Product Maintenance and Sustainability, D. Ethical Considerations in Digital Health, E. Project Management Principles for Digital Health Project, F. Evaluation of Digital Health Interventions, G. Data Analytics and Visualization, H. Emerging Directions and Digital Health Innovations

## EVALUATION/ASSESSMENT/ CERTIFICATE

The evaluation and assessment of the course will be online based: MCQs, Assignment submission during course modules. Upon successful completion, participants will receive a certificate.

## NUMBER OF SEATS

50 Participants -- per batch.

## COURSE FEE

Indian Candidates: INR 25,000  
South Asian Candidates: USD 350  
International Candidates: USD 500

## REGISTRATION

Interested candidates may apply online using following url: <https://cdl.phfi.org/portal/node/358>

## COURSE COORDINATORS

- *Dr Harsh Shah, Assistant Professor, Department of Public Health Science, Institute of Public Health Gandhinagar*
- *Mr. Niladri Neel Majumder, Senior Digital Health & Analytics Leader, Canada; Founder – HealthTechX Academy*
- *Mr. Gaurav Kumar, Public Health Professional, Expert in Digital Health and Data analytics, India*
- *Dr Kiran Narkhede, Public Health Professional, Senior Management and Health System Strengthening Specialist, India*

**For online application visit:**

<https://cdl.phfi.org/portal/node/358> or visit:  
<http://www.iiphg.edu.in/elearning-programs>

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Last Date of application: 20<sup>th</sup> August 2024**