

APPLIED HEALTH INFORMATICS

Innovate. Analyze. Transform: Your Journey in Health Informatics

Certificate Program



Foundation of Healthcare Technologies Society
New Blessings Through Technology Empowered Reforms

Certified as a Scientific & Industrial Research Organization (SIRO) by the Department of Scientific and Industrial Research (DSIR), New Delhi, Govt. of India.
Registration No.: S/877/SDM/NW/2012

Delhi | Uttarakhand | Tamil Nadu | Haryana

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ABOUT THE PROGRAM

Applied Health Informatics (AHI) is an interdisciplinary field at the intersection of healthcare, information science, technology, and communication. It uses Information and Communication Technologies (ICT) to collect, manage, and analyze health data, ultimately improving patient care, public health outcomes, and healthcare system efficiency.

The certificate program equips learners with the knowledge and skills to apply informatics in real-world healthcare settings—optimize healthcare delivery, support clinical decision-making, and design technology-based solutions to address public health challenges. Through collaborative efforts and hands-on experiences, the program empowers students to become future leaders in health technology and data-driven health systems.



Principles of Health Informatics	Health Information Technology and Health Information Systems	Data Science in Healthcare Advancements	Digital Health Education and Consumer Engagement	Ethics and Communications in Health Informatics
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The core objective is to equip students with skills to leverage information technology and communication for improved healthcare delivery and outcomes. It fosters critical thinking to effectively use and manage digital health tools for better health outcomes and patient-centered care.

PROGRAM OUTCOMES



Principles and applications of health informatics for improving public health outcomes



Enhance career prospects in health domains



Guidance & Mentorship to publish in peer-reviewed journals



Contribute to digital community health initiatives



Opportunity to present at conferences.



Learning transformative role of big data in healthcare

UNIQUE FEATURES OF THE PROGRAM



Research Seminars

Participate in monthly research seminar series



Community Outreach

Contribute to public health and digital interventions

COPHI

Interactive Learning

Engage in fortnightly discussions on the forum



Career and Mentorship

Connect with experts for career guidance

IMPACT

Innovation & Hackathons

Take part in hackathons and creative initiatives



Guidance and Mentorship for Publication

Present research at National and International conferences



Experiential Learning

Gain hands-on experience in real-world projects

LEARNING OUTCOMES



Fundamentals of Health Informatics

Define the fundamental concepts of health informatics, data science, data warehouse, data mining, and blockchain technology.



Digital Health Education

Demonstrate competency in applying digital tools and strategies for effective health education in empowering consumers to actively manage their health through accessible, personalized, and interactive technology-based solutions.



Big Data in Healthcare

Understand various types and applications of big data in health informatics



Health Information Systems (HIS)

Understand the pivotal role of Health Information Systems (HIS) in collecting, managing, and utilizing health data to improve health outcomes and promote evidence-informed health practice.



Usability & Accessibility of Health Websites

Evaluate the usability and accessibility of health websites to ensure they meet diverse user needs and promote equitable health information access.



Ethics in Health Informatics

Explore the significance and principles of ethics in consumer health informatics

PROGRAM DELIVERY AND STRUCTURE

Mode of Delivery

This is a comprehensive program that integrates training sessions and experiential learning. All classes, sessions, and activities are conducted through virtual interactions, ensuring accessibility and flexibility for participants. The program leverages digital tools for lectures, case studies, discussions, and assignments, creating an engaging and interactive learning experience. Under the experiential learning, participants have the opportunity to engage in voluntary fieldwork as part of digital intervention-based community initiatives offered by FHTS. This component allows for real-world application of concepts and enhancing practical skills which can be performed in both virtual/in-person.

Multifaceted Learning

- ◆ **Lectures & Case Studies:** Expert-led sessions with real-world examples
- ◆ **Reading & Discussions:** Curated resources with interactive discussions
- ◆ **Assignments & Exercises:** Practical tasks to reinforce learning
- ◆ **Community Outreach:** Apply knowledge in real-world health interventions

Duration

4 Months



2 Months
of Virtual Structured Training



2 Months of
Experiential Learning

Module Structure

The program covers **8 comprehensive modules** focusing on key areas of health informatics, equipping participants with both theoretical knowledge and practical skills.

WHO SHOULD ENROLL?



Students & Early Career Professionals in healthcare, IT, and research



Data Scientists & IT Professionals interested in healthcare applications



Researchers & Academicians exploring health data analysis



Healthcare Practitioners & Policymakers seeking digital health expertise



All Professionals, Graduates and Undergraduates from Medicine, Dental Science, Environmental Science, Biology, Microbiology, Biochemistry, Home Science, Public Health, Public Health Management, Health Management, Healthcare IT, ICT, Computer Science, MCA, BCA, Pharmacy and other Allied Health programs.

APPLY NOW

CERTIFICATE PROGRAM ADMISSIONS

Batch Intake: Every year in March, July, September

**Application deadlines for each batch may vary*

Check program details for additional information

For admission enquiries: academic@fhts.ac.in



The Foundation of Healthcare Technologies Society (FHTS), established in 2012, is a nationally recognized non-profit organization advancing public health, digital health innovation, and research through community initiatives, and tech-driven health interventions, shaping the future of public health through education, evidence-based solutions, and collaborations.

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