FOUNDATION OF HEALTHCARE TECHNOLOGIES SOCIETY

and

PARUL INSTITUTE OF PUBLIC HEALTH

jointly announces

Post Graduate Diploma in Population Health Informatics

16 August 2022- 14th August 2023

ABOUT THE FOUNDATION OF HEALTHCARE SOCIETIES

The Foundation of Healthcare Technologies is a National Society and is the first of its own kind that integrates multi-sectoral segments through use of innovative informatics platforms for an overall improvement of population health in underserved settings.

Economic situations in developing countries have resulted in increased disparities in terms of health, economic growth, and access to resources that are valuable to the overall growth of the populations. The foundation aims to establish a center of excellence in developing a skilled workforce in the area of informatics through human resource development, capacity building, innovative research, translation and dissemination of research findings into practice, and health systems strengthening.

The foundation promotes innovative ideas that can be practiced at the grassroots level so that solutions that are provided can be personalized, evidence based, research driven, context specific, and goal oriented and culturally adaptable to meet the needs of the diverse group of users. The foundation forms collaborations and partnerships across boundaries to address the growing challenges for providing better living to the individuals, families and the environment they live. We aim to build a unique environment that will bring innovations across multiple sectors resulting in a healthier ecosystem.

ABOUT PARUL UNIVERSITY

Parul University a leading private university of Sanskriti Nagri (Vadodara), Gujarat is the one-stop destination for meeting the academic needs of students making it an educational hub catering to fulfilling infinite dreams of students globally. Parul University is ranked among the top 50 private universities in India for leading innovation achievements by ARIIA 2020.

Parul University is an amalgamation of 35 Institutes offering, 250+ programs in a 150+ acre fully equipped campus housing 28000+ students, 2000+ International Students from 56 Countries, 2500+ faculty members & providing in-campus residential facility to 7000+ students making it India's Premier Multidisciplinary University.

ABOUT PARUL INSTITUTE OF PUBLIC HEALTH

The Parul Institute of Public Health (PIPH) aspires to evolve as a focal point of multi-disciplinary education, research, training and advocacy on public health; which is gaining prominence in recent years. Instituted in 2016 as a constituent of Parul University; PIPH emerged as a leading institute for imparting public health education. Over the years, the institution has built a well-established network with public, private and governmental institutions both at the national and international levels.

The institute aims to improve the health of people, strengthen the health system and policies through education, training, research, and evidence-based advocacies. The institute offers multidisciplinary programmes such as Bachelor of Science in Public Health, Masters of Public Health (MPH), Master of Hospital Administration (MHA), and Doctor of Philosophy (PhD) in Public Health.

ABOUT THE COURSE

Postgraduate Diploma in Population health informatics

Population Health Informatics addresses the growing opportunity to use technology to implement evidence-based solutions for the improvement of population health outcomes. It deals with resource devices, methods, and institutions required to optimize the acquisition, storage retrieval, and use of information in health care settings.

Program Benefits

The program focuses on how to operationalize informatics solutions to address important public health challenges impacting individuals, families, communities, and the environment in which they live. Students will learn to use technology at the intersection of clinical care and health sciences in order to strengthen efforts for preventive care at the population level. The program offers practical coverage of critical topics such as big data, cloud computing, mobile health, surveillance, and visualization all from the perspective of the end-user.

Learning objectives

Through course students will learn:

- To understand the role of technology as an enabler to enhance population health outcomes.
- To effectively manage, handle and utilize healthcare data.
- To analyze and evaluate population informatics problems in terms of data, information, and knowledge.
- To design and develop multifaceted technology-enabled interventions to enhance the well-being of individuals, families, and the communities they live in.
- Evaluate health outcomes related to digital health interventions

Program duration: 12 months (9 months of teaching and 3 months of experiential learning)

Audience:

Any undergraduate/graduate/postgraduate/PhD

Development or Health professionals working in health research

Newly joined faculties in a public health discipline

Program Fees: INR 25,000

Unique Program Features

- Flexible
- Asynchronous and asynchronous learning
- Weekly interactive lectures
- Case studies
- Weekly discussions
- Problem-solving exercises
- Research project
- Mentorship and Experiential Learning
- Discussion forum

COURSE CURRICULUM

Module 1	Population Health and its determinants
Module 2	Overview of Data, Information, and Knowledge
Module 3	Data Exchange and Interoperability
Module 4	Population Health Surveillance
Module 5	Design and Development of Population Health Information Systems 1
Module 6	Design and Development of Population Health Information Systems 2
Module 7	Case study I
Module 8	Evaluation of Population Health Informatics Systems
Module 9	Lab component (Usability and Heuristic Evaluations)

Module 10	Tailored Health Communication
Module 11	Evaluating Quality of Health Information over the Internet
Module 12	Electronic Health Records
Module 13	Workshop on Open Source Health technologies
Module 14	Personal Health records
Module 15	Mobile Health: Opportunities and Challenges
Module 16	Electronic Data Collection Tools
Module 17	Ethical Issues in Population Health Informatics
Module 18	Health Technology Interventions
Module 19	Cost effectiveness of Health technology applications
Module 20	Scoping Review of Digital Health Interventions

Quadrant 1 E-tutorial Topics

Weekly online, interactive topics supported by applications of theoretical learning to real-world scenarios in form of case studies. Mentorship and experiential learning will be critical features of the program.

Quadrant II- Weekly Reading Material
- Case studies
- Presentations
- Research paper readings

Quadrant III- Discussion Forum
- Weekly discussion topics to facilitate knowledge exchange, discussion of ideas, and research

Quadrant IV-Assessments
- Quizzes (20%)
- Weekly assignments (10%)

- Case studies (10%)
- Presentations (5%)
- Mid Term (25%)
- Final Exam (30%)

Program Fees: 25,000 INR

RESTRATION LINK:

Contact Person - Mansi Gupta, Community Initiative Coordinator, Foundation of Healthcare Technologies

Contact number –8527897771

Email – admissions@fhts.ac.in