

**Foundation of Healthcare Technologies Society**  
321, 322, 323 Somdutt Chamber-2,  
Bhikaji Cama Place, New Delhi-110066  
Phone +91 8527897771  
Website: fhhs.ac.in  
Registration No.: S/877/SDM/NW/2012



**Parul Institute of Public Health,  
Parul University**  
P.O.Limda, Ta.Waghodia – 391760  
Dist. Vadodara, Gujarat (India)  
info@paruluniversity.ac.in  
+91-2668-260300



# **Brochure**

## **Certificate Course in Operational Research in Population Health (CER- ORPH)**

**A Joint Collaboration of**

**Foundation of Healthcare Technologies Society,  
New Delhi, India**

**&**

**Parul Institute of Public Health, Parul University,  
Gujarat, India**



## **ABOUT FOUNDATION OF HEALTHCARE TECHNOLOGIES SOCIETY**

The Foundation of Healthcare Technologies society 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 in. 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 CERTIFICATE COURSE**

Operational Research is an interdisciplinary branch that uses systematic research techniques for decision-making to achieve specific outcomes. It aids in the design of interventions, strategies, and coverage of programs and the development of tools to improve quality and effectiveness.

### **WHY THE NEED?**

There is an urgent need to develop a trained workforce proficient in Operations research planning, implementation, and evaluation. Participants will synthesize and apply the knowledge acquired from the course to address a health informatics problem.

### **LEARNING OBJECTIVES**

**The students will learn:**

- To translate ideas into research questions.
- To apply theoretical knowledge in community settings.
- To identify gaps in existing research/solutions
- To analyze and interpret quantitative and qualitative data.
- To interpret data and disseminate the research findings
- To design and develop a research study

**PROGRAM DURATION:** 6 Months (4 months of training and 2 months of experiential learning)

**COURSE DELIVERY:** ONLINE

## WHO CAN ATTEND?

- Any undergraduate/graduate/postgraduate/PhD
- Development or Health professionals working in health research
- Any faculty at college or university in a public health discipline

## BENEFITS OF THE COURSE

- Turn ideas into executable research
- Learn essential research skills by practice
- Ability to involve in funded research projects to gain experience
- Opportunity to be mentored by National and International experts
- Gain research experience to qualify for higher education
- Opportunity to publish research paper

## UNIQUE FEATURES OF THE COURSE

- Flexible, self-paced
- Asynchronous and synchronous learning
- Weekly interactive lectures
- Case studies
- Weekly discussions
- Problem-solving exercises
- Research project
- Mentorship and Experiential Learning
- Discussion Forum

## COURSE CURRICULUM

Module	Topic
Module 1	Research Domains
Module 2	Basics of Research Methodology
Module 3	Formulating a Research Question
Module 4	Study Methods
Module 5	Critical appraisal of scientific literature
Module 6	Research Design
Module 7	Defining Research Hypothesis
Module 8	Survey Methods
Module 9	Sampling Methods
Module 10	Data Analysis1
Module 11	Scoping Review
Module 12	Manuscript writing
Module 13	Data analysis 2
Module 14	Focus group interviews and Qualitative data

### Quadrant 1 E-Tutorial Topics

**Quadrant II- Weekly Reading Material** (Case studies, and Research paper readings)

**Quadrant III- Discussion Forum** (Weekly discussion topics to facilitate knowledge exchange)

**Quadrant IV-Assessments** [Quizzes (20%), weekly assignments (10%), case studies (10%), presentations (5%), mid-term exam (25%), and end term exam (30%)]

**Certificates will be provided to candidates who successfully complete the course.**

### Testimonials of former Students



### Dr. Anoja Sundar, BAMS, MPH

I got an opportunity to pursue the Certificate course on Operational Research offered jointly by FHTS & PIPH through the virtual platform. Being a newly budding public health professional, the course was fruitful for me as it enhanced the knowledge on various types of research and its respective methodologies, which are underpinned with technological aspects. The key attraction of the course was the curriculum, which emphasized on requirements to accomplish the research comprehensively. The assignments, discussion forums which were brainstorming exercises and the latter provided different views from the co-learners. Also, the active moderations and monitoring by the faculties on discussion forums keep it as an authentic source of knowledge.



### Nikhil Jadav, Ph.D. Scholar at PIPH, Parul University

Certificate Program in Operational Research in Population Health (CER-ORPH) offered by FHTS is a very informative and detailed course to know what actual operational research is and how we can apply it in any public health research. It helps to be professionals in public health research as it is the current need of the society. It also improves the researcher's skills like translating ideas into research questions, Identify gaps in current research, data interpretation and result writing etc. It was a great experience to be a part of this course as many new things and skills were learned during this 6 months of period. Would like to thank all the faculties of CER-ORPH to provide the great support and knowledge of operational research in public health.

### REGISTRATION FEES

PARTICIPANT	REGISTRATION FEE
Student	Rs. 9000 /-

**REGISTRATION LINK:** <https://fhts.ac.in/training/apply-online/>

**Contact Person** - Mansi Gupta, Community Initiative Coordinator, Foundation of Healthcare Technologies Society, New Delhi, India

**Contact number** – +91 8527897771

**Email** – [admissions@fhts.ac.in](mailto:admissions@fhts.ac.in)

**FHTS Website-** <https://fhts.ac.in/>