



**Brochure**  
**Certificate in**  
**Health and Nutrition Informatics**  
**(CER-HNI)**

**A Joint Collaboration**  
**of**  
**Foundation of Healthcare Technologies Society,**  
**New Delhi, India**  
**&**  
**St Ann's College for Women, Hyderabad, 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 ST. ANNS COLLEGE FOR WOMEN**

St. Ann's College for Women, an institution with a vision of academic excellence, skill enhancement and value enrichment was established in 1983.

### **Mission:**

- To promote academic excellence through the delivery of outstanding undergraduate and postgraduate education that is current, vibrant and responsive to the diverse needs of those it serves.
- To offer multidisciplinary and industry-oriented curricula coupled with diverse pedagogical approaches to foster research capabilities, employability and entrepreneurship.
- To nurture a culture of inclusion and equity, integrating mind, body and spirit to help build ethically, morally and socially responsible citizens with a strong sense of self-worth.
- To instill a sense of inquiry among students, inculcate critical and creative skills, encourage innovative and independent thinking and foster lifelong learning leading to true empowerment

## **ABOUT THE CERTIFICATE COURSE**

Nutrition Informatics is an effective retrieval, organization, storage, and optimum use of information, data, and knowledge for food- and nutrition-related problem solving and decision-making. Nutrition informatics is the management of the information dietetics professionals need to practice successfully while tailoring recommendations to meet each patient's specific needs.

### **WHY THE NEED?**

- Nutrition informatics describes intersection of nutrition, information, and technology, and it underlies all areas of dietetics practice.
- Growing opportunity to facilitate technology-enabled behavioral change interventions to support NI research and practice.
- Management and interpretation of data could help clarify the relationships and interrelationships of diet and disease at international, national and regional levels.
- Need to prepare a NI workforce that could provide valuable tools to address the double burden of nutrition.
- The program combines theoretical aspect with presentation of practical solutions in real world settings.

### **LEARNING OBJECTIVES**

#### **The students will learn:**

- To use data for problem solving and improving practice outcomes.
- To use systems for the effective collection, organization, and interpretation of data.
- To use clinical information systems to find information related to patient care.
- To evaluate quality of health information over the internet.
- To design and develop innovative solutions to address issues related to nutrition.
- To examine role of data, policy, and technology enabled behavioral change interventions to support nutritional informatics research and practice.
- To guide consumers to apply the information available to them through informatics systems.

**PROGRAM DURATION:** 16 Weeks

**COURSE DELIVERY:** ONLINE

### **WHO CAN ATTEND?**

- Any undergraduate/graduate/postgraduate/PhD
- Development or Health professionals working in health research
- Newly joined faculties in a public health discipline

## BENEFITS OF THE COURSE

- Become a member and participate in nutrition informatics research team.
- Opportunity to develop technology based interventions to address problems related to nutrition.
- Opportunity to work in technological settings and communicate data and information effectively.
- Show nutrition informatics knowledge to better qualify for higher education.
- Integrate knowledge of nutrition informatics into nutritional care to enhances the quality of nutrition care.
- Improve the efficiency and quality of work with enhanced digital literacy.

## UNIQUE FEATURES OF THE COURSE

- Synchronous and Asynchronous learning
- Weekly interactive lectures
- Weekly discussions
- Problem solving exercises
- Case studies
- Quizzes
- Research Seminar
- Experiential learning
- Research advisor assigned

## COURSE CURRICULUM

Module	Topic
Module 1	Introduction to Nutrition Informatics
Module 2	Data, Information Knowledge
Module 3	Human Centered Design Interventions
Module 4	Design and Develop Nutrition Informatics interventions
Module 5	Internet and Public Health
Module 6	Evaluating nutrition informatics interventions
Module 7	Behavior change interventions to support nutrition informatics research and practice
Module 8	Nutrition informatics databases, programs, and policies
Module 9	Informatics enabled menu planning
Module 10	Personalized nutrition plan: A case study
Module 11	Nutritional apps

Module 12	Formulating Research Question
Module 13	Mixed methods
Module 14	Statistical analysis of healthcare data
Module 15	Scientific writing
Module 16	Research Seminar

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

### **REGISTRATION FEES**

<b>PARTICIPANT</b>	<b>REGISTRATION FEE</b>
Student	Rs. 12000

**REGISTRATION LINK:** <https://nutritioninformatics.info/training-programs/apply-online/>

**Contact Person** – Pooja Murjani, Nutrition Informatics Fellow, Foundation of Healthcare Technologies Society

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### **Testimonials of former Students:**

*“The course has also bestowed upon us profound insights into the burgeoning sphere of Nutrition Apps and underscored their paramount significance in the landscape of contemporary healthcare. The meticulous exploration of the art of Formulating Research Questions has become second nature to us, nurturing a profound analytical acumen within our intellectual repertoire.”*

- Duraiya Kaukab

*“Completing this course has been both personally and professionally rewarding, and I wanted to share my thoughts as I move forward with the knowledge and skills I've gained. The course content was nothing short of exceptional. The depth and breadth of the material covered exceeded my expectations, and the way it was presented made complex topics accessible and engaging. The expertise of the instructors was evident throughout, and their dedication to our learning was truly commendable. What truly sets the FHTS team apart, though, is the unwavering commitment to the success and growth of every participant. The support and encouragement provided were invaluable, creating an environment where questions were welcomed, challenges were opportunities for growth, and achievements were celebrated as milestones.”*

- Amatur Rahman Hafsa

*“My experience starting the path in Certificate in Health and Nutrition Informatics at FHTS has been a remarkable journey. The program's comprehensive coursework, assignments, class discussions and engaging instructors have provided me with a profound understanding of how data and technology are reshaping the healthcare sector. I have had the privilege to collaborate with peers from diverse backgrounds, further enriching my learning. This certificate program has not only expanded my*

*knowledge but also inspired me to make a meaningful impact in the field of health informatics.”*

*- Hania Mukarram*

*“From the very beginning, I was impressed by the professionalism, expertise, and dedication of the FHTS team. The instructors, administrative staff, and support personnel have created a learning environment that is not only conducive to growth but also genuinely caring and supportive. Throughout the course, I had the opportunity to dive deep into the subject matter and expand my knowledge in ways I hadn't imagined. The curriculum was thoughtfully designed, and the teaching methods were engaging and effective. I feel confident that the skills and insights I've gained during this program will serve me well in my future endeavors. What sets FHTS apart, in my opinion, is the sense of community that prevails here. I felt like more than just a student; I felt like a valued member of a learning community. The encouragement, mentorship, and camaraderie among fellow students and instructors were invaluable in my learning journey.”*

*- Jasmeeen Jabeen*

*“We learned about health and nutrition informatics, starting with the basics, then moving into design, development, and public health. The course taught us a lot about Nutrition Apps in healthcare today. We got really good at making research questions. I look forward to using what I've learned in nutrition informatics. Thanks to the team and faculty for their support and expertise. Couldn't have done it without you.”*

*- Javeria Fatima*

*“The course material was well-structured and simple to understand, making it accessible even to someone with limited prior experience of informatics like me. The lecturers were well-informed and approachable. They were always available to respond to queries and provide guidance. The course material itself was in-depth and relevant to the most recent developments in the field. I gained knowledge on various aspects such as use of data for problem-solving and improving practice outcomes, use of systems for the effective collection, organization, and interpretation of data and evaluation of quality of health information over the internet.”*

*- Saba Kulsum*

*“My journey throughout the course has been very knowledgeable and compelling. It helped me understand the power of combining technology and nutrition in improving the health outcomes of the individuals. All the sessions were incredibly interactive and were a perfect balance of practical and theoretical knowledge. I had the opportunity to learn how to evaluate apps, websites and research papers, use human centred designs and implement behavioural techniques for improving the health of individuals. It helped me understand the process of tailoring diets based on the individual's need, which is an important component in my field.”*

*- Sariya Afreen*

*“Throughout the course, I honed invaluable skills like human-centered design interventions, statistical analysis, and digital literacy. The case studies, hands-on sessions, and interactive discussions enriched my learning, ensuring that I was ready to apply these skills in real-world scenarios. I also appreciated the emphasis on research, which deepened my understanding of the subject and equipped me with the tools to investigate and interpret complex nutrition data.”*

*- Zoha Nazneen*