<u>Brochure</u>

Certificate Course in Health and Nutrition Informatics
(CER-HNI)

A Joint Collaboration of

St. Ann's College for Women, Hyderabad, India

&

Foundation of Healthcare Technologies Society,

New Delhi, India

ABOUT FOUNDATION OF HEALTHCARE TECHNOLOGIES SOCIETY

The Foundation of Healthcare Technologies Society was established in 2012 as a nationally registered non-profit organization that aims to enhance good health and well-being of all through community-engaged research, excellence in education, skills-oriented experiential learning opportunities, technology-enabled innovations and interventions, and community-oriented initiatives that can improve population health outcomes across diverse settings.

Over the last 12 years, the organization has demonstrated excellence in all the areas of research, education, and community service and due to its continued efforts, the Department of Scientific and Industrial Research (DSIR) part of the Ministry of Science and Technology, has certified the organization as a Scientific and Industrial Research Organization (SIRO).

Mission:
Generate new knowledge to promote and sustain good health and well-being through community-engaged research, excellence in education, and commitment to public service guided by data and, evidence-informed policy and practices.

ABOUT ST. ANN'S 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 outstanding undergraduate and postgraduate education delivery 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 PROGRAM

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 the 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 aspects with the 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 effectively collecting, organizing, and interpreting data.
- To use clinical information systems to find information related to patient care.
- To evaluate the quality of health information over the Internet.
- To design and develop innovative solutions to address issues related to nutrition.
- To examine the role of data, policy, and technology-enabled behavioral change interventions in supporting nutritional informatics research and practice.
- To guide consumers in applying the available information through informatics systems.

PROGRAM DURATION: 16 Week

PROGRAM DELIVERY: ONLINE

WHO CAN ATTEND?

➢ Any undergraduate/graduate/postgraduate/PhD/ working professionals

➢ Development or Health professionals working in health research

➢ Newly joined faculties in a public health discipline

Foundation of Healthcare Technologies Society
Somdutt Chamber-2, 321-323, 3rd Floor,
Bhikaji Cama Place, Rama Krishna Puram,
New Delhi, Delhi 110066
Phone: +91-8527897771
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Registration No.: S/877/SDM/NW/2012

St. Ann's College for Women
12-2-823, ST. ANNS COLLEGE, A/45, St
Anns Rd, Santosh Nagar, Mehdipatnam,
Hyderabad, Telangana 500028

BENEFITS OF THE PROGRAM

- Become a member and participate in the 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 enhance the quality of nutrition care.
- Improve the efficiency and quality of work with enhanced digital literacy.

UNIQUE FEATURES OF THE PROGRAM

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

PROGRAM 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

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

PROGRAM FEES – BATCH 4
Rs. 12000

REGISTRATION LINK: https://fhts.ac.in/apply-online/

Contact Persons –

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Scan & Apply Now

Testimonials of Former Students:

"I learned different concepts from the basics of Health informatics, the use of electronic health records and human-centered design to the application of research in the sector of healthcare and nutrition. It was a good learning experience and had a supportive faculty."

- Suhasini Lanka, Batch – 1, September 2022

"The certificate program of 'Health and Nutrition Informatics' has not only introduced and made it easier to understand the concept of Nutrition Informatics but also made me familiar with the use of technology in the field of nutrition. After completing this course, I have realized the importance of integrating informatics in the nutrition sector as it helps in making decisions faster which, in turn, can aid the dietitians, public health researchers, and policymakers deliver quality assistance towards better public health. The course was well structured and each module was very informative. The support from our mentors was always present. The assignments were practical and challenging but we were able to get hands-on experience on how to design nutrition informatics interventions, how to evaluate the quality of information in online health information websites and mHealth apps playstore etc. Overall, I felt that this course has made me more knowledgeable about nutrition in a public health setting and helped me get confident in my online literacy skills which will help me a lot in my higher studies and career."

- Summaiya Ali, Batch – 1, September 2022

"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."

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- Duraiya Kaukab, Batch-2, September 2023

"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, Batch-2, September 2023

"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, Batch-2, September 2023

"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."

- Jasmeen Jabeen, Batch-2, September 2023

"We learned about health and nutrition informatics, starting with the basics, and 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."

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- Javeria Fatima, Batch-2, September 2023

"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 the 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 the quality of health information over the internet."

- Saba Kulsum, Batch-2, September 2023

"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 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 behavioral 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, Batch-2, September 2023

"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, Batch-2, September 2023