HEALTH RESEARCH FUNDAMENTALS

TYPE OF COURSE : Rerun I Elective I UG

COURSE DURATION : 8 weeks (18 Jan' 21 - 12 Mar' 21)

EXAM DATE :21 Mar 2021

MULTI FACULTY

PRE-REQUISITES : Undergraduate students in medical/dental/nursing/AYUSH streams Graduate in any discipline

INTENDED AUDIENCE : Any current or potential health researcher

INDUSTRIES APPLICABLE TO : Government/ private sector, public health service institutions/ agencies, Post graduate institutions in biomedical and allied sciences, Medical colleges/ Universities, NGOs engaged in health research, Clinical research organizations, Pharma companies and marketing research organizations

COURSE OUTLINE :

National Institute of Epidemiology [NIE], Indian Council of Medical Research [ICMR] is offering online programmes on conduct of human bio-medical research. The programme will be offered as NIE-ICMR e-Certificate - NIeCer - Courses. The first in this series, NIeCer 101:Health Research Fundamentals, is a basic level course in health research methods. It will explain the fundamental concepts in epidemiology and bio-statistics related to research methods. This course will provide an overview of steps and principles for designing bio-medical and health research studies among human participants.

ABOUT INSTRUCTOR :

All the instructors are faculty members for the two-year Master of Public Health [MPH] programme at the ICMR School of Public Health of the NIE, Chennai, India. The School is offering MSc (Biostatistics) from this July. Besides the Master's level programmes, the faculty members have been conducting PG diploma and various short-term training programmes in public health/epidemiology and biostatistics. Besides teaching, the faculty members have been conducting epidemiological/public health research.

COURSE PLAN :

Week 1: Conceptualizing a research study

Week 2: Epidemiological considerations in designing a research study (1/2)

Week 3: Epidemiological considerations in designing a research study (2/2)

Week 4: Bio-statistical considerations in designing a research study

Week 5: Planning a research study (1/2)

Week 6: Planning a research study (2/2)

Week 7: Conducting a research study

Week 8: Writing a research protocol