

Online Research Methodology Training

Introduction

Research is an essential component for improvement of the work environment and service delivery particularly in the health sector. Health care workers should have updated with evidence-based management to deliver better health care. This program will upgrade the knowledge and skills in research methods; giving opportunity to attend this program with minimum disturbance to the routing activities. Introductory video can be accessed from the following link <https://vimeo.com/244743459>

Teaching Methods

The research training program will be delivered as a blended programme with the distance online training and the contact workshops at Colombo. Hands on skills will be developed during the contact workshops which will essential for research training. Figure 1 shows the framework of the training program. There will be three workshops (Each workshop from 9 am to 4 pm) to complete during the training program. These workshops include essential components for hands on skill development sessions. There are eight lessons to be completed with referring to online materials. Participants are expected to spend over 4 – 6 hours per week for studying each lesson.

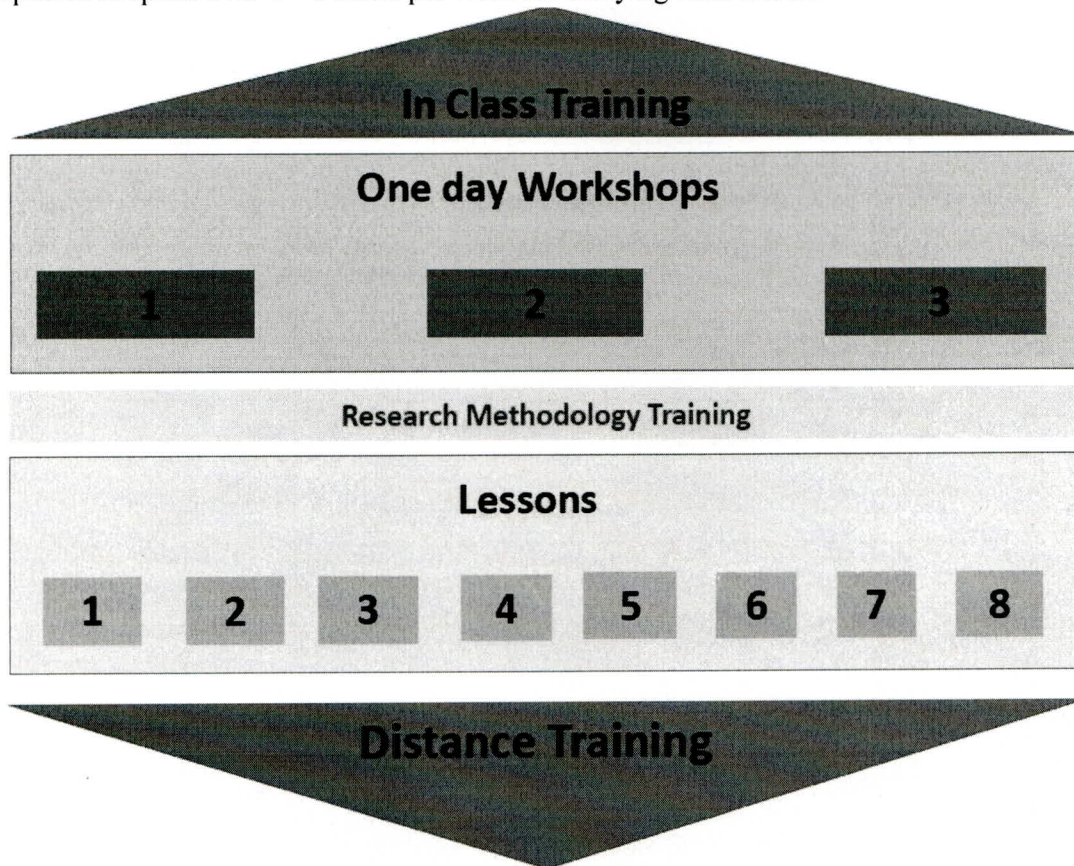


Figure 1: Conceptual framework of the training program

Basic requirements to follow the training program

The program will be opened for all the categories of the employees of the Ministry of Health, undergraduates and other under graduate or post graduate students of higher education institutes of Sri Lanka and members of duly recognized professional organizations. (Course fee will not be charged for the above-mentioned categories). This online program will be conducted in English medium; the competency in English language and computer literacy will be an added advantage. The program includes three compulsory workshops (Approximately one workshop for a month), online lessons and the post test. A certificate will be awarded to those who are complete all the components of the program.

Since the participants need to access online lessons, availability of internet and a personnel computers/laptop/tablet is essential.

Curriculum of the program and work schedule

Time Schedule	Workshop/Lesson	Content	Teaching Method & Venue
17 th August 2018	First Contact Workshop	Introduction to research methods, hands on experience on distance education portal and review of literature	In-class training. Compulsory attendance. To be conducted in Colombo
Week 1: 17 th August to 24 th August 2018	Lesson 1	Introduction to research	Online training. Can be accessed to lecture sessions remotely.
Week 2: 25 th August to 31 st August 2018	Lesson 2	Literature review for a research Writing Study Objectives Feasibility of a study	Online training. Can be accessed to lecture sessions remotely.
Week 3: 1 st September to 7 th September 2018	Lesson 3	Research designs	Online training. Can be accessed to lecture sessions remotely.
Week 4: 8 th September to 14 th September 2018	Lesson 4	Sampling methods	Online training. Can be accessed to lecture sessions remotely.
Week 5: 9 th September to 15 th September 2018	Lesson 5	Sample size calculation	Online training. Can be accessed to lecture sessions remotely.
14 th September 2018	Second Contact Workshop	Hands on experience on data entry software and analytical software	In-class training. Compulsory attendance. To be conducted in Colombo

Week 6: 15 th September to 21 st September 2018	Lesson 6	Bias and confounding Data collection instruments Data Entry	Online training. Can be accessed to lecture sessions remotely.
Week 7: 22 nd September to 28 th September 2018	Lesson 7	Selecting the suitable statistical test	Online training. Can be accessed to lecture sessions remotely.
Week 8: 29 th September to 5 th October 2018	Lesson 8	Ethical aspects of health research Construction of a research proposal	Online training. Can be accessed to lecture sessions remotely.
5 th October 2018	Third Contact Workshop	Improve writing skills and publishing data	In-class training. Compulsory attendance. To be conducted in Colombo

Application process and selection

Applicants should apply by filling the hard copy of the specimen application form forwarded by the Head of the Institution/ Regional Director to the DDG/ET&R, Ministry of Health, Nutrition and Indigenous Medicine, Colombo-10, on or before 30th of July 2018. Applicant should attach the self-addressed envelope for official use. Selected candidates will be informed by an invitation letter through the Head of the institution/Director. Duty leave will be granted for participation.

Workshop venue and requirements

Workshops will be conducted in Colombo. Participants are expected to bring their own laptops with internet facility (optional).

For more information

Course organizer

Dr. Thilina Wanigasekera

Deputy Director, Research, Education Training and Research,
Ministry of Health nutrition & indigenous Medicine

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Program Coordinator

Dr. Sumal Nandasena

(Consultant Community Physician)

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Training Program on Research Methodology
Education Training and Research Unit, Ministry of Health

Name of the applicant

Institution:

- i. Health Ministry employee
- ii. University
- iii. Professional organization
- iv. Other

Position/designation

Contact number: Mobile No:

Email:

Can you spend 4 - 5 hours to study online training sessions from your work station or residence (a computer/laptop and internet is necessary) ? Mark "X" in the appropriate box.

Yes No

Will you able to participate in the following workshops with a laptop?

Mark "X" in the appropriate box.

- | | | |
|---|--------------------------|--------------------------|
| 1. 17 th Friday August 2018 | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. 14 th Friday September 2018 | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. 5 th Friday October 2018 | <input type="checkbox"/> | <input type="checkbox"/> |

Briefly describe why you need to participate in this training program (benefits to the institution / personnel development)

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I recommend. to participate in Training Program on Research Methodology and attend the three workshops scheduled to be at Colombo. He/she will be granted duty leave to participate in this program.

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Head of the Institution/ Regional Director of Health Services
(Rubber stamp)

Please forward your application through the Head of the Institution/Regional Director of Health Services to the Deputy Director General (Education Training and Research), Ministry of Health, Nutrition and Indigenous Medicine, Colombo- 10.