



THE GANDHIGRAM RURAL INSTITUTE (DEEMED TO BE UNIVERSITY)
School of Health Sciences and Rural Development
Department of Rural Health and Development Studies
CENTRE FOR APPLIED RESEARCH

Organizes

National Workshop on Applied Psychometrics in Health Research
13-15, October 2022

THEME OF THE WORKSHOP

Psychometrics is the science of measurement of abstract psychological constructs like moods, emotions, attitudes, feelings, perceptions and knowledge. There are innumerable applications of psychometrics in health starting from the simple knowledge, attitude and practices studies to patient reported experiences to assess treatment outcomes. In health management and hospital administration there is emerging application of psychometric methods to assess patient satisfaction, patient trust and experiences. While scales and questionnaires to capture these have been in use for a long time, health care professionals have not actually engaged with understanding the nuances of psychometric measurements. This workshop will help health care and social researchers to understand the concepts of psychometric measurements, validity, reliability of scales and indices and to effectively use and develop their own psychometric scales and indices. The workshop is planned as a hands-on, applied, participative pedagogical process and all the participants will be engaged in depth with psychometrics.

Workshop Objectives

- *To understand the concepts of validity and reliability of Questionnaires/ Schedules/ Scales*
- *To describe the various steps involved in development of Questionnaires/ Schedules/ Scales*
- *To develop and validate a simple and practical tools using Classical Test Approach*

WORKSHOP CO-ORDINATORS



Dr. A. Balakrishnan, Professor & Director



Dr. M. Hilaria Soundari, Associate Professor

ORGANIZING COMMITTEE

Dr. M. Muthukumar, Assistant Professor

Dr. S. M. Karthik, Assistant Professor

Dr. M. Gunasekaran, Assistant Professor

Rajeswaran Thiagesan - Research Scholar

Dinesh Kumar S - UGC NET SRF Research Scholar

Seema Xalxo - Research Scholar

Registration Fee: Rs.1200/- per participant

Resource Persons

DR.VIJAYAPRASAD GOPICHANDRAN

Medical doctor in Community Medicine and Doctor of Philosophy
Assistant professor in the Department of Community Medicine
ESI Medical College Hospital and PGIMSR, Chennai



DR.SUDHARSHINI SUBRAMANIAM

Medical doctor in Community Medicine
Associate Professor in the Department of Community Medicine
Madras Medical College, Chennai



Instructions for participants

All course materials will be provided. The participants may bring a laptop of their own. The workshop will use a variety of teaching-learning methods. These include lectures, group work, hands on questionnaire data collection and analysis, one to one discussions and self-directed study.

Who should attend?

- **Postgraduate Students, Junior Faculty, Ph.D. Scholars interested in Health and Social Research related disciplines**
- **Social Science, Health Studies, Psychiatry and Psychology students interested in Applied Psychometric Research**
- **Researchers using questionnaires to measure respondents reported outcomes such as quality of life**

Requirements: Basic knowledge in application of statistics

For further details contact

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