

THE TAMIL NADU Dr. M.G.R. MEDICAL UNIVERSITY

69, Anna Salai, Chennai – 600 032

Online Workshop on RESEARCH METHODOLOGY & BIostatISTICS

The Department of Epidemiology of this University is conducting a 3 day Online workshop on '**Research Methodology and Bio-statistics**' for M.D. / M.S. / D.M. / M.Ch. / M.D.S / Ph.D Candidates and faculties for the academic year 2021-2022.

Objectives and Structure

The primary aim of organising this workshop is to equip the post-graduate students of Medical / Dental Colleges of Tamil Nadu to conduct a good relevant research as their postgraduate dissertation and publish. The workshop is designed as a three days on-line programme, to instill ideas on research methodology and also to assist the interested participants to provide mentorship for the dissertation and to pursue their works further to publish. The core learning objective of the workshop is to equip the participants with a set of skills to identify the right topic (based on relevance & feasibility), choose the appropriate research design, sample, and statistical analysis and to interpret the findings for the ultimate dissemination of their study effectively. Thus the workshop is designed to offer the most practical guidelines and to direct the researchers in all the stages of research from identifying a research problem to the submission of a dissertation and writing a manuscript and to finally publish the article. By the end of the programme they are expected to develop conceptual clarity and practical knowledge to undertake or at least interpret 'quality research' to enable them to gain confidence in understanding good research papers, field-reports and project proposals etc. The workshop will be delivered in a blended mode by lectures, group discussions and hands-on training with open-source software tools which would help in Searching and organizing literature and determine sample size .

- The participants will be provided with an in-depth practical introduction to the fundamental knowledge of healthcare research. Essential aspects of biostatistical methods will be covered, including fundamental principles of data analysis.
- Lectures, group discussions, and practical demonstrations by the faculty will be conducted.
- The participants will be receiving a certificate, Handbook on 'Research Methods and Biostatistics' and CD containing the presentations Ppt after successful completion of the course.

Registration

- Registration for each of the workshop is limited to 200 participants on a first come first served basis.
- For Candidates who directly register need to pay through "**Payment Gateway For students and Others**" provided in the online remittance system of this University Website. The link is given below:

<https://www.tnmgrmu.ac.in/index.php/online-remittance-system.html>

1. Click the above link or online remittance system of the University
 2. Choose "Payment Gateway For students and Others"
 3. Click "+" on the right hand side after 47th row
 4. A Blank Row will be created, In that Enter RESEARCH METHODOLOGY DoE
 5. Complete the details and Proceed for payment
- The Candidate is instructed to keep the receipt generated for future reference and upload the same in the **Payment details** column provided in the [Workshop Registration Link](#)

Course Content

Day 1

- ❖ Registration and pre-assessment
- ❖ Generating research ideas and research questions
- ❖ Searching and organizing literature with 'Zotero'
- ❖ Writing a research protocol
- ❖ Describing and displaying data
- ❖ Selecting an appropriate research design
- ❖ Discussion on the individual dissertation topics, presented by the participants

Day 2

- ❖ Questionnaire development
- ❖ Testing When to do What?
- ❖ Ethics in healthcare research
- ❖ Data collection and data management
- ❖ Bias
- ❖ Discussion on the individual dissertation topics, presented by the participant

Day 3

- ❖ Methods of sampling and sample size estimation
- ❖ Critical appraisal of peer-reviewed publication
- ❖ Writing dissertation and Elaborating the University guidelines
- ❖ How to get the research paper published?
- ❖ Types of articles for Publication
- ❖ Discussion on the individual dissertation topics, presented by the participants

For further details
please contact :

Dr. S. Valarmathi, Ph.D

Research Officer (Statistics)
Workshop Coordinator, Department of Epidemiology
Mobile : 98405 99285,
Phone : 044-22353576 to 79 , Ext : 260
E-mail : epiworkshop@tnmgrmu.ac.in

Participation in this workshop will be awarded with THIRTY CREDIT POINTS of The Tamil Nadu Dr. M.G.R. Medical University if the candidate attends all the sessions, presents the Research Topic, completes Pre-test, Post-test and provides daily feedback on all three days.