



**THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY**  
**69, Anna Salai, Chennai – 600 032**

## **Workshop on** **RESEARCH METHODOLOGY & BIostatISTICS (Offline)**

The Department of Epidemiology of this University is conducting a series of offline workshop on ‘ **Research Methodology and Bio-statistics**’ for **first year** M.D. / M.S. / D.M. / M.Ch. / M.D.S / Ph.D Candidates and other interested Health Professionals for the academic year 2023-2024 in the period Jan 2024 to Sept 2024.

### **Structure & Schedule Outline of the 3-days Workshop**

The workshop will be delivered in a blended mode by lectures, group discussions and hands-on training with open-source software tools & would cover identifying a topic for Research, literature review, organising literature (Zotero/Mendley), study designs, epidemiological concepts in effect measurements and choosing appropriate statistical tests along with Sample size demonstration & hands-on in the basic course. The participants would need to bring a research idea or their proposed topic for discussion and hands-on

### **Objectives of the course**

1. Apply the basic principles of epidemiology in planning and conducting research,
2. Interpret and evaluate the research published in scientific journals, and
3. Choose statistical Test for analysis
4. Understand the concepts of writing manuscript

### **Registration:**

● Registration is limited to **50** participants on a first come first served basis; the workshop dates for each month will be announced on the last week of the preceding month.

● Candidates are required to complete their profile information in a google form after obtaining permission from their Head of the department/institution.

● A Registration fee is Rs.3540/- (including GST 18%) is to be paid by each candidate. All postgraduates { M.D / M.S/ M.ch / DM / MDS } candidates need to check with their college if they have already paid the RMBS workshop fees along with their first year college fees at the time of admission. Necessary copy of the same to be uploaded in the RMBS application form. Also candidates are requested to ensure that slots are available for the workshop before

making the payment and workshop batches they are interested to enroll. **University will not be responsible for the double payment, if made by the candidate.**

● The payment should be made 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>**

For further details please contact:	Department of Epidemiology E-mail: <a href="mailto:epiworkshop@tnmgrmu.ac.in">epiworkshop@tnmgrmu.ac.in</a>
-------------------------------------	--

Note:

1. Click online remittance system of the University
2. Choose “Payment Gateway For students and Others”
3. Click “+” additional row
4. Blank Row will be created, in that **Enter Research Methodology and Biostatistics Workshop**
5. Complete the details and proceed for payment

● The Candidates are instructed to keep the receipt generated for future reference and upload the same in the **Payment details** column provided in the **Workshop Registration Link**

The tentative course schedule is:

### Day 1

- ◆ Registration and pre-assessment
- ◆ Generating research ideas and research questions
- ◆ Searching and organizing literature with ‘Zotero Basics’
- ◆ 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

- ◆◆◆◆ Recapitulation of activities from Day1
- ◆◆◆◆ Questionnaire development
- ◆◆◆◆ Testing When to do What?
- ◆◆◆◆ Writing dissertation
- ◆◆◆◆ Elaborating University guidelines
- ◆◆◆◆ 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
- ◆◆◆◆ Discussion on the individual dissertation topics, presented by the participants
- ◆◆◆◆ Ethics in healthcare research
- ◆◆◆◆ Data collection and data management
- ◆◆◆◆ How to get the research paper published?