



REPORT ON

RESEARCH METHODOLOGY AND BIostatISTICS WORKSHOP

UNDERGRADUATE MEDICAL APRIL 26th 2024

Organized by:

Department of Epidemiology

The Tamil Nadu Dr.M.G.R. Medical University

A series of one-day online workshops has been organized for third-year Part-I Undergraduate Medical students affiliated with The Tamil Nadu Dr. M.G.R. Medical University. These workshops are scheduled from March 1, 2024, through September 20, 2024.

On April 26, 2024, students from KMCH, Karpagam Faculty of Medical Science & Research, Madurai Medical College and Stanley Medical College participated in the online workshop. The sessions were conducted in the lecture halls of their respective college premises, utilizing LCD screens for PowerPoint presentations. Each institution appointed a nodal coordinator from the community medicine department to oversee the workshop.

The workshop adhered to a well-structured schedule, commencing with the presentation of a QR code for a pre-test on Research Methodology and Biostatistics. Following this, a series of lectures were delivered, accompanied by interactive sessions to encourage active participation and deepen participants' comprehension. As the lecture series drew to a close, a QR code for a post-test and feedback was shared, enabling attendees to further assess their understanding and provide valuable input. Approximately 713 undergraduate students benefited from this workshop.

The key topics covered are:

1. Research Ideas /Questions & Objectives
2. Searching and Organizing Literature
3. Research Designs
4. Basic Biostatistics in Health Research
5. Research protocol

The workshop featured distinguished experts from prestigious institutions including **All India Institute of Medical Sciences (Nagpur)**, **Karpagam Faculty of Medical Science & Research (Coimbatore)** and a **Medical & Public Health Consultant**.

Madurai Medical College



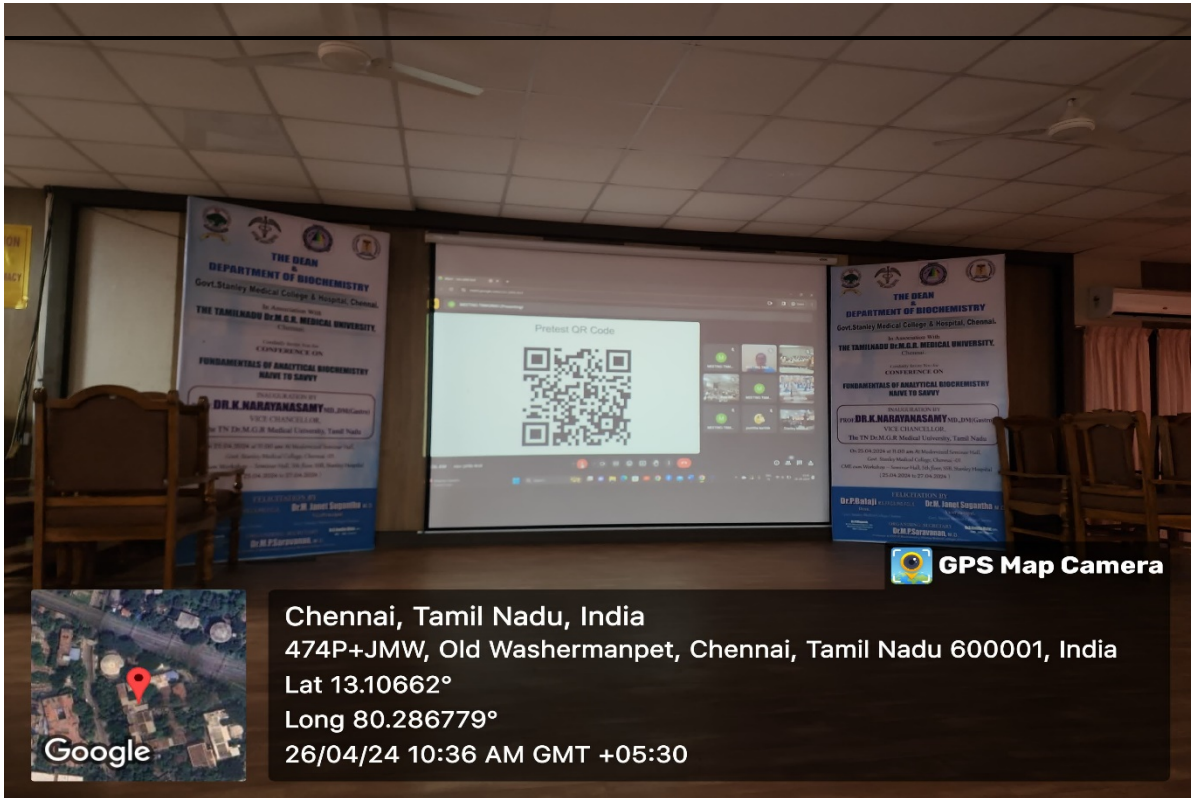
KMCH College



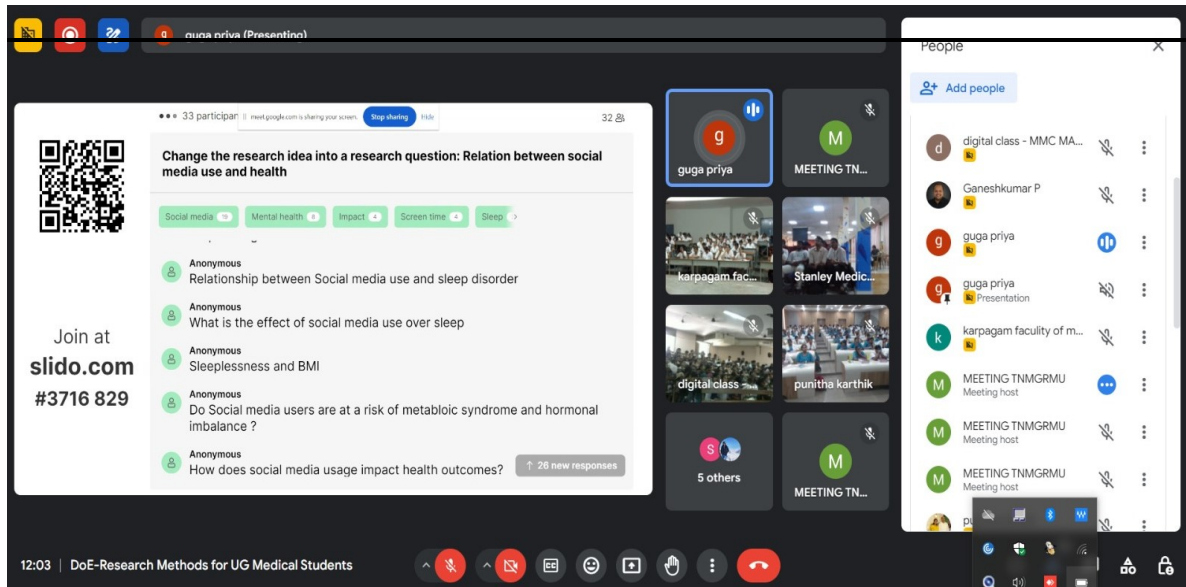
Karpagam Faculty of Medical Science & Research

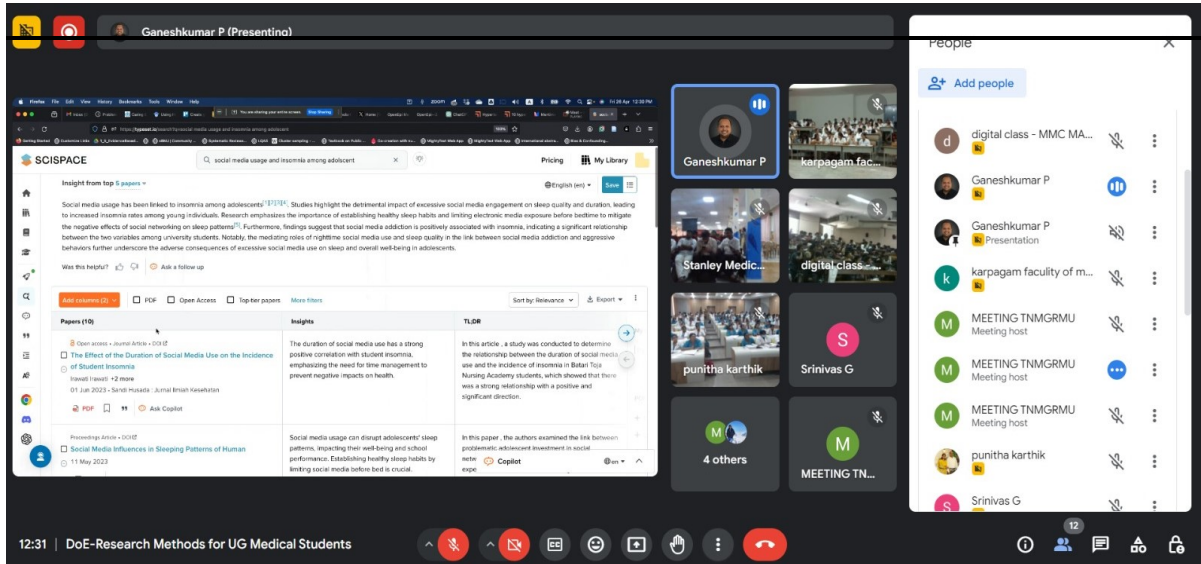


Stanley Medical College



Interactive sessions by the experts





Comparison scores of Pre-Test & Post-Test:

Figure 1: Pre-test Score

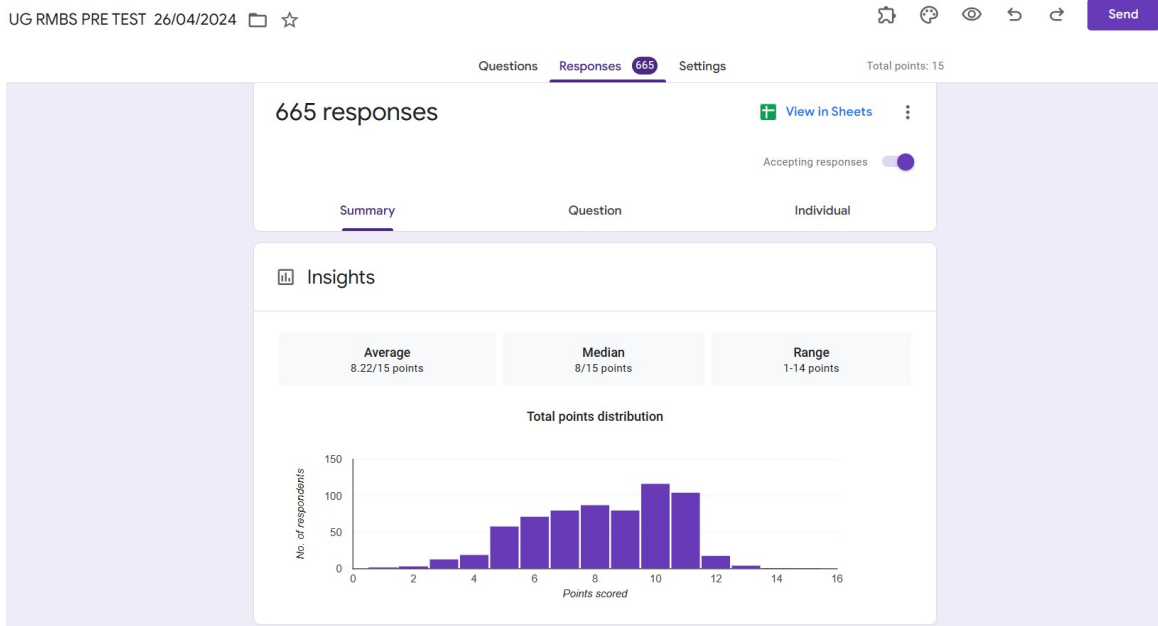
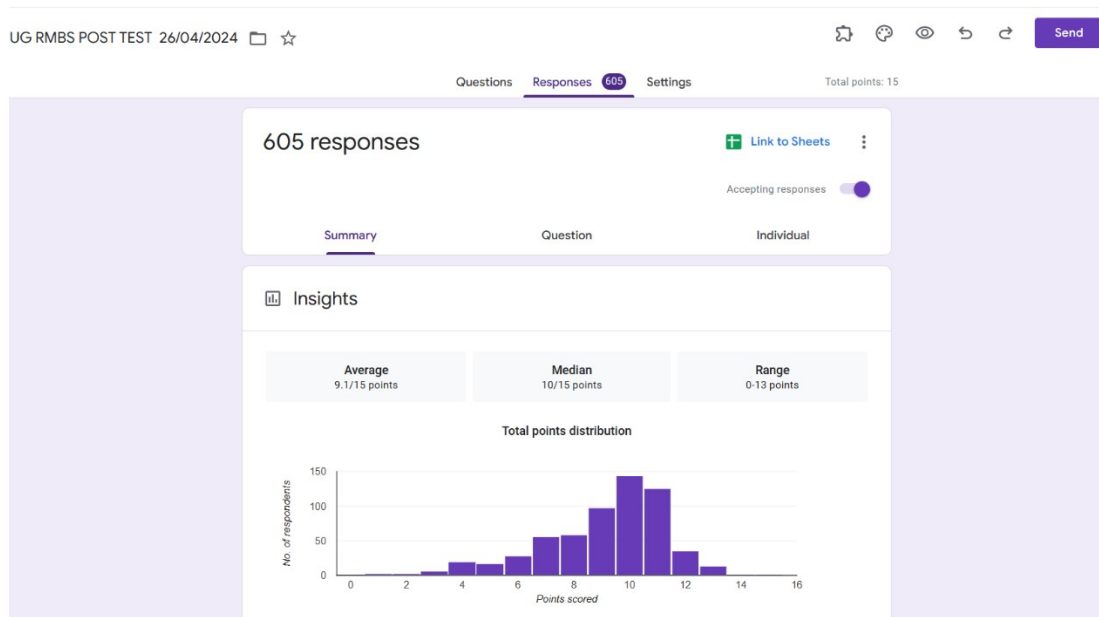


Figure 2: Post-test Score



Overall Feedback from the Colleges:

The scrupulously orchestrated program was of immense value to the third-year MBBS Part-I undergraduate medical scholars. Dr. Jasmine S Sundar’s introductory discourse established an enthralling ambiance, laying a robust foundation for the ensuing modules.

I express my gratitude for the exhaustive exploration of a broad spectrum of subjects, from Dr. T. S Guga Priya's deliberation on "Research Ideas/Questions & Objectives" to Dr. Yuvaraj’s profound insight into "Research Designs," the stimulating conversation steered by Mrs. Sevanthi on "Basic Biostatistics in Health Research," and Dr. Ganesh Kumar’s Kumar interactive session on "Searching and Organizing Literature" was particularly enlightening and informative.

Dr. Ilavenil's comprehensive scrutiny of the "Research Protocol" and Dr. Jasmine S. Sundar's efficacious "Pre-test, Post-Test & Feedback" session were instrumental in consolidating our comprehension from the day. In summary, the workshop has endowed us with priceless insights and practical skills indispensable for our academic and research endeavors. I am sanguine that the knowledge assimilated will substantially augment our future pursuits.