



KMCT.org
GROUP OF INSTITUTIONS

KMCT
DENTAL COLLEGE



Dept of Public Health Dentistry

VALUE ADDED COURSE ON
**BASIC RESEARCH METHODOLOGY
FOR BIOMEDICAL RESEARCH**

28 29 30 OCT.
2025

Organized by

**IQAC & Dept. of Public Health Dentistry - KMCT Dental College in
association with Dept. of Community Medicine - KMCT Medical College**

www.kmct.org



**INNOVATION AND
ENTREPRENEURSHIP
DEVELOPMENT CENTRE**



KMCT Medical College Campus, Mukkom, Kozhikode – 673602

OBJECTIVES OF THE WORKSHOP

The Objective of this course is to enhance the knowledge in fundamentals RESEARCH METHODOLOGY. The workshop aims at building capacity among researchers regarding scientific ways of formulating research questions, adopting proper study designs, sampling tools, learning data management in broader perspective along with rules and regulations of protocol writing. It will enable the Researchers to develop the most appropriate methodology for their Research Studies.

TOPICS COVERED

1. Introduction to research
2. Literature search
3. Developing research question and hypothesis
4. Study designs
5. Developing research protocol
6. Sample size estimation
7. Data management
8. Research ethics
9. Biostatistics- Basic to advanced
10. Hands on Research software- SPSS
11. Evidence based dentistry

TEACHING AND LEARNING METHODS

- Live classes by eminent faculty
 - Classroom and home assignments
 - Hands-on training on softwares
- Individual attention and doubt clearing sessions

ORGANIZING COMMITTEE

CHIEF PATRON

Dr. K. MOIDU

Founder Chairman
KMCT Group of Institutions

Dr. NAVAS K. M.

Chairman
KMCT Group of Institutions

Dr. AYISHA NAZREEN

Director & Executive Trustee
KMCT Group of Institutions

PATRON

Dr. MANOJ KUMAR K P

Principal- KMCT Dental College

Dr. VIJISH VENUGOPAL

PRINCIPAL, KMCT Medical College

ORGANIZING CHAIRMAN

Dr. DHANYA MURALIDHARAN

Professor & HOD
Dept of Public Health Dentistry

ORGANIZING SECRETARY

Dr. ARUN PAUL

Reader Dept of Public Health Dentistry

ORGANIZING TEAM

Dr. JAYAKRISHNAN T

Dr. DHANYA MURALIDHARAN

Dr. ARUN PAUL

Dr. ASMIN P K

Dr. AROMAL

Dr. APARNA M

Dr. RUPESH RAMAN

Dr. MANJU T L

Dr. JISHNU

Dr. DEEPTHI

Ms. NAVYA G

Ms. RINSHA RAJ

**8.30 - 9.00
REGISTRATION**

INAUGURATION

28

OCTOBER 2025
10.00 - 10.30

Dr. MANOJ KUMAR K P

PRINCIPAL, KMCT Dental College

**Dr. Dhanya Muralidharan**

Professor & H.O.D
Department of Public Health
Dentistry
KMCT Dental College

CASE CONTROL STUDY DESIGNS**Dr. Aparna M**

Senior Lecturer
Department of Public Health
Dentistry
KMCT Dental College

KUHS RULES AND REGULATIONS FOR PROTOCOL**Dr. Arun Paul**

Professor
Department of Public Health
Dentistry
KMCT Dental College

CONCEPT OF SAMPLING & SAMPLE SIZE**SOFTWARES IN RESEARCH -INTRODUCTION TO SPSS****Dr. Rupesh Raman**

Associate Professor
Department of Community
Medicine
KMCT Medical College

INTRODUCTION TO MEDICAL RESEARCH & FRAMING A RESEARCH HYPOTHESIS**Dr. Asmin P K**

Senior Lecturer
Department of Public Health
Dentistry
KMCT Dental College

MEDICAL RESEARCH ETHICS**Dr. Manju T. L**

Assistant Professor
Department of Community
Medicine
KMCT Medical College

QUESTIONNAIRE PREPARATION**Dr. Aromal**

Senior Lecturer
Department of Public Health
Dentistry
KMCT Dental College

COHORT STUDY DESIGNS**Dr. Navya G.**

Assistant Professor
Department of Community
Medicine
KMCT Medical College

RANDOMIZED CONTROLLED TRIALS

Guest faculty

Dr. Anish T. S.

Nodal officer and Professor,
Kerala One Health Centre for
Nipah Research and Resilience,
Kozhikode

**DESCRIPTIVE STATISTICS
CONCEPT OF CONFIDENCE
INTERVAL****TESTING OF HYPOTHESIS****STATISTICAL TESTS****INTRODUCTION TO REGRESSION
ANALYSIS**

Guest faculty

Dr. Rajini

Professor & H.O.D
Department of Public Health
Dentistry
MAHE Dental College

**INTRODUCTION TO STUDY
DESIGNS AND DESCRIPTIVE
DESIGNS****VALEDICTORY****FOR REGISTRATION PLEASE CONTACT****Dr. APARNA M. : 9400 763 571**

Registration Fee

2200/-

Last Date of Registration

23/10/2025**BHIM UPI****ACCOUNT DETAILS****Account Name : CDE Account****Acc. No : 210110100076310****IFSC Code : UBIN0821012****Branch : Manassery**