



RANJEET DESHMUKH DENTAL COLLEGE AND RESEARCH
CENTRE, NAGPUR
Formerly known as VSPM's Dental College and Research centre,
Nagpur
Board of Research Studies

**ADVANCED RESEARCH METHODOLOGY WORKSHOP (Under the aegis of
MUHS, Nashik)**

Dates: 4-9 September 2023

Venue: PRIDE Hall, RDDCRC, Nagpur

Brief report:

The online registration received a very good response with total 50 registrations from PhD scholars and guides of dental, medical ayurved, homeopathy disciplines from various MUHS affiliated colleges in maharashtra.

Day 1 started with pre-test, group formations, followed by lectures and group activities as per the prescribed schedule. It included basic concept of bio-medical research, various study designs, observational and case control studies. Participants also engaged in group activity of formulation of research question and selection of appropriate study design. It ended with feedback of the sessions.

Day 2 started with recap by participants on types of bias in research and measures to minimise them. Later sessions on cohort studies and clinical trials alongwith group activities followed by session on patent was conducted. It ended with feedback of the sessions.

Day 3 started with recap by participants on Association & causation. It was followed by sessions on Types of variables(data), conversion of data, scales of measurement, Descriptive statistics, Role of chance, bias, confounding & interaction, Sample size determination, Questionnaire designing with group activity. It ended with feedback of the sessions.

Day 4 started with recap by participants on Criteria for selection of statistical test-type & distribution of data, type of sample, objectives etc and Sampling methods. It was followed by session on Literature Search with hands on activity. Sessions on Referencing Management, Evaluation of a diagnostic test, Ethics in health sciences research (ICH-GCP, Indian GCP, ICMR guidelines) were conducted along with group activity on Research priorities in various disciplines. It ended with feedback of the sessions.

Day 5 started with recap by participants on Interpretation of statistical test- probability, significance, CI, power etc. it was followed by session on Inferential statistics and activity on how to use EPI INFO software. Session on Proposal writing for funding agencies and Protocol writing was also conducted. It ended with feedback of the sessions.

Day 6 started with recap by participants on Implementation of research- Gantt charting, operational definitions/criteria/classifications, pilot study, dummy tables, monitoring etc followed by sessions on Writing dissertation and Writing for Publication, Critical evaluation of journal article, Qualitative research methods: Question answer session, Meta-Analysis.

Participants presented their final research projects and were given feedback on the same. It ended with daily and overall feedback and post-test evaluation.

Valedictory function was organized wherein Dr Dilip Gode (Chair Professor MUHS Regional Centre Nagpur) Dr Usha Radke (Dean, RDDCRC), Dr Mukta Motwani (Vice Dean Clinical RDDCRC) felicitated the faculty members for conducting the workshop. Dr Gode lauded the enthusiastic participation from all members. Dr Radke thanked all resource faculty for sharing their valuable time and expertise. Dr Vrushali Lathiya (Participant- Faculty) expressed satisfaction over the conduct of the workshop and said that deliberations and group activities were very useful for understanding research methodology.

Overall feedback for the workshop was very positive.

Dr Saeesh Deshpande (Member BORS VSPMDCRC, Nagpur, workshop co-ordinator) thanked everyone for successful completion of the workshop.



Dr Saeesh Deshpande



Dr Abhay Kolte

Workshop Co-ordinator -RDDCRC, Nagpur

Dean, Chairman BORS-RDDCRC, Nagpur