

Research Mentorship Programme for Interns

The Scientific Research and CDE Committee at Bharati Vidyapeeth Dental College and Hospital, Navi Mumbai, successfully organized a comprehensive **Research Methodology Workshop for Interns** from January 30 to May 9, 2023. Designed to enhance research skills, the workshop provided in-depth training across various facets of research methodology.

Overview of the Workshop

The workshop, held over five days, covered a wide array of essential topics, including research design, hypothesis framing, literature search techniques, ethical considerations, and manuscript preparation. The sessions were delivered by renowned faculty members of the college, including Dr. V. Sreenivasan, Principal, and experts from various departments, offering a holistic learning experience.

Day 1 began with an inauguration led by Dr. Nilesh Joshi, Chairperson of the Scientific Committee, followed by introductory lectures on the scope of research methodology by Dr. V. Sreenivasan. The day focused on foundational concepts like study design, hypothesis development, and formulating research questions.

Day 2 emphasized literature search techniques and the responsibilities of researchers, with sessions conducted by Dr. Ashish Jain and Dr. Rahul Rao, who provided insights into the importance of ethical research practices and clinical guidelines.

The third day expanded on ethical considerations in biomedical research, with Dr. Haritha N leading discussions on informed consent and its significance in ensuring compliance with ethical standards. Dr. V. Sreenivasan followed up with advanced techniques for conducting a thorough literature search.

Day 4 addressed practical aspects of research, such as questionnaire design and synopsis preparation, facilitated by Dr. Ashwin Jawdekar and Dr. Mridula Joshi, providing attendees with the tools required for crafting effective research proposals.

Day 5 culminated with sessions on biostatistics, hypothesis testing, and sampling methods, led by Dr. Suyog Savant, followed by a detailed walkthrough of manuscript preparation by Dr. Viraj Kharkar. The day concluded with a post-workshop assessment and a vote of thanks.



The event was organized and coordinated under the able guidance of Dr. Nilesh Joshi, Chairperson of the Scientific Research and CDE Committee, with active participation from faculty and postgraduate students.

Key Topics Covered in the Workshop

Spanning several months, the workshop offered 25 hours of intensive lectures, covering crucial aspects of research. The interns explored:

- Research and its Scope in Dentistry
- Study Design
- Research Questions and Hypotheses
- Literature Search
- Questionnaire Design
- Synopsis Preparation
- Biostatistics
- Good Clinical Practice (GCP) Guidelines

Problem-solving and Follow-up Sessions

To assist interns with their research projects, three problem-solving sessions were conducted, each lasting 1.5 hours, totaling 4.5 hours. These sessions provided a platform for the 21 participating interns to discuss challenges in framing study designs, with mentors offering tailored guidance and solutions.

Practice Sessions and Mock Presentations

A practice session was held on May 5, 2023, where the interns presented their research studies under mentor supervision. Out of the 21 interns, 20 studies were showcased during the 3-hour session, allowing the interns to receive constructive feedback and refine their presentations.

Scientific Review Committee Meeting

The workshop concluded with a Scientific Review Committee Meeting on May 9, 2023. In this 3-hour final session, the interns presented their research to a panel of experts, who offered detailed evaluations and suggested corrections for further refinement.

This workshop served as a valuable platform for fostering research culture among students, providing them with the necessary skills to approach research methodically and ethically. The successful completion of the workshop further strengthened the college's commitment to enhancing academic excellence and encouraging scientific inquiry among its faculty and students.