



MES's VASANT JOSHI COLLEGE OF ARTS & COMMERCE
Zuarinagar, Goa – 403726
Affiliated to Goa University Accredited by NAAC with B+ Grade (4th cycle)

ACADEMIC YEAR 2024-25

REPORT OF THE ACTIVITY

**Five-day Faculty Development Programme on Research Methodology organized by
Research Development and Innovation (RDI) Cell in collaboration with Internal Quality
Assurance Cell (IQAC)**

Cell: Research Development and Innovation Cell (RDI Cell)

Date: 19th to 25th September 2024

Venue: Board Room

The inaugural session of the FDP was conducted on 19th September, 2024 followed by the first session which was coordinated by Dr. Kirti Tyagi, Coordinator, Dept. of BBA.

Day 1 – 19th September 2024

Topic – ‘Doing Research – Selection of Topic and Review of Literature’

Sr. Prof. Purva Hegde Desai conducted Faculty Development Program (FDP) on the topic, “Doing Research – Selection of Topic and Review of Literature”.

The resource person familiarized the trainees with the steps involved in the research process; from identifying research gap, developing objectives to data analysis, discussion of findings and conclusion, limitations and future research. She elaborated on the basic concepts of research such as concept, construct, variables, operational definitions, models, theories, and hypothesis. She further helped participants understand the difference between qualitative and quantitative research.

The importance of literature review was emphasized in all of the above-mentioned steps in research. She substantiated the research process with appropriate examples from her research experience. Participants were sensitized on how to develop a good research objective, and how to frame hypothesis correctly. The difference between mediating and moderating variables was also highlighted.



Day 2 – 20th September, 2024

Topic – ‘Exploring Research Methodologies’

The Resource Person was Dr. Deepa Prajith, Associate Professor, Government College of Arts, Science and Commerce, Quepem. The session was coordinated by Dr. Rohita Kamat, Dept. of Economics.

Dr. Deepa Prajith outlined the systematic approach to conducting research, emphasizing the importance of curiosity, inquiry and logical analysis. The presentation highlighted various definitions of research, reinforcing the idea that it is both an intellectual and practical pursuit for generating new knowledge. The key topics covered include the characteristics of research (systematic, empirical and theory-driven), the objectives of research, such as expanding knowledge, building theories and solving real-world problems.

The presentation explained different types of research (pure, applied, exploratory, descriptive) and the importance of the scientific method, which involves hypothesis formulation, data collection, and rigorous analysis. Lastly, Dr. Deepa Prajith discussed the stages of the research process and research skills, stressing the need for patience, critical thinking and effective communication in academic writing.



Day 3 – 23rd September 2024

Topic – ‘Enhancing Data-Analysis Skills’

The Resource Person was Prof. Janet Fernandes, Head, Department of Psychology, St. Xaviers College, Mapusa-Goa. The session was coordinated by Dr. Freda Pereira, Dept. of Psychology.

The objective of the session was to make the faculty enhance their skills in data analysis when conducting research. The resource person's session included an activity quiz, meaning and importance of data analysis in research. She went ahead with discussing the steps and techniques in data analysis, data visualization skills and tools, best practices for data analysis and research and different software's used for data analysis. She highlighted the ethical considerations while doing data analysis and further explained qualitative and quantitative research methods, types of data in research, data type assumptions. She spoke about various Statistical tests used in research and how to select appropriate statistical technique in research. She concluded the session by stressing significant need to master the skills and tools in data analysis to enhance the quality of the research.



Day 4 – 24th September, 2024

Topic – ‘Use of AI tools in Research’

Dr. Anup Kumar Maurya, Associate Professor, Goa Institute of Management (GIM) Sanquelim-Goa was the resource person. The session was coordinated by Dr. Ashish M. Joshi, Dept. of Commerce.

Initially the resource person spoke on the working of AI tools; He started with ChatGPT 4.0 version. Further he explained with the help of various plugins, how AI can be utilized effectively for day-to-day teaching and research. He further demonstrated some AI tools like ChatGPT, Grammarly, Canva and others while explaining how effectively it can be used in teaching and research. Incorporating AI in teaching will help to generate personalized learning path for the students, considering their prior knowledge, interests, and goals. AI tools can improve the productivity of the faculty by transforming notes into slides, or suggesting questions based on specified content and students by providing personalised assistance by responding to each student's specific needs. He also demonstrated how AI tools for research can help discover new sources for literature review or research assignment. These tools will synthesize information from large databases of scholarly output with the aim of finding the most relevant articles and saving researchers' time. They enable writers to focus on the critical and innovative aspects of their research. From practical application to the future potential of AI into various fields, the speaker not only broadened the perspectives of the participants but also inspired the use of AI tools in teaching & learning and research endeavors.



Day 5 – 25th September, 2024

Topic – ‘How to Identify Journals for Publication?’

On 25th September, Day 5 of the FDP, Prof. Reena Cheruvaleth, Department of Humanities & Social Sciences, BITS-Pilani, K. K. Birla Goa Campus, Zuarinagar-Goa, led a session on identifying journals for publication. The session was coordinated by Dr. S. Susan Deborah, Dept. of English.

Prof. Cheruvaleth informed the audience of the various journal bases like Scopus, Web of Science, Elsevier and others. She mentioned the various ways to identify journals which suit our discipline and area of interest. Prof. Cheruvaleth also spoke on key words and submitting abstracts based on the research one is engaging with. By showing us hands-on live demonstration, Prof. Cheruvaleth answered the various queries pertaining to acceptance of articles, guidelines of submission and topics that were trending.



The valedictory ceremony took place after the session during which the Chairperson of the RDI Cell Dr. Sonal Thakker, read out the report of the five-day FDP, which was followed by feedback from the participants after which the certificates were distributed to the faculty participants. The programme concluded with the Vote of Thanks proposed by Dr. S. Susan Deborah, member of the RDI Cell.

Dr. Sonal Thakker
Chairperson, RDI Cell

Dr. Manasvi M. Kamat
Professor & Principal