

राजकीय महिला स्नातकोत्तर महाविद्यालय, गाजीपुर, उ.प्र.-233001

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Online Workshop on Basic Research Methodology

Report on Online Basic Research Methodology for Research scholars and Post Graduate students of home Science, Education, Economics and others during 09-14 September 2020. The workshop was planned to disseminate knowledge relating to the fundamental methods and methodology in Social Sciences research for Research Scholars and emerging social scientist of the college. The participants included 18 Research Scholars and 40 Post Graduate students. Altogether, there were 10 technical sessions which dealt with different aspects of research methodology. This workshop starting from 4.0 - 7.0 Pm was divided in two sessions each day of 90 minutes duration.

The inaugural function was held on the Evening of 09 September 2020. Principal Government Girls PG College, Sewapuri Varansi, Prof. Sudha Panday inaugurated the function online. Prof. Savita Bhardwaj Principal of this college presided over the function. The IQAC Head Dr Santan Kumar Ram, Dr Sambhu Sharan Prasad In-charge Department of Home Science offered felicitations for the programme. Course coordinator Dr. Shiv Kumar, Assistant Professor Psychology, welcomed the participants and gave an introductory speech. He also presented the outline and requirement of workshop. Mrs. Vandana Yadav Research scholar, proposed the vote of thanks. All the speakers were focusing on the needs for conducting research methodology courses and expressed their concern over the quality degradation in research happening across India. Such workshops, according to them will provide orientation to the students to proceed with their research in a scientific and systematic way.

The first technical session was conducted by Dr. Tushar Singh, Asst. Prof Psychology BHU, Varanasi. He provided an overall idea about **Research Problem Selection and research process** starting from selecting the research question, to research design, to data analysis and report writing. He stresses that research starts with a question or problem, accepts certain basic assumptions, expects critical interpretations, requires unbiased data collection analysis, performs validation, needs articulated documentation and leads to further research.

It was followed by the 2nd technical session conducted by the Shambhu Saran Prasad, Assistant Professor of Physical Education. The title of the session was **framing the research problem and formulation of research hypothesis**. He was able to provide a systematic methodology by which


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the researchers can develop their research problem and focus on it. He provided adequate help to the participants by mentioning suitable examples of how one can design a research problem and how research hypothesis can be formulated.

The 3rd technical session was handled by Dr. Vandana Kumari, Associate Professor of Home Science, Agriculture University of Banda, UP. Dr. Vandana spoke on the topic **Methodological issues in social science research**. She was speaking on the quantitative type of methodological issues and the qualitative type of methodological issues and the advantages and disadvantages of these two methods and also on the current trend of using a hybrid methodology or mixed methods whereby you combine these two methods.

There was also a Technical session, (4th) on **sampling methods** handled by Dr. Shiv Kumar, Assistant Professor Psychology of the college. He was focusing on the different types of sampling techniques that the researchers can adapt from random sampling to non-random sampling methods. He was able to convey the participants on the methods by which adequate number of sample can be identified for a particular type of research.

The technical session (5th) on **data collection instruments**, particularly on questionnaire and interview schedule was handled by Dr. Santan Kumar Ram, Assistant Professor of Geography of the college. He was focusing on the do's and don'ts while preparing a questionnaire with a suitable example. Qualitative methods in social science research was also given due importance in the workshop.

The technical 6th session on **qualitative methods** was handled by Dr. Mukta Singh, Associate Professor Home Science, GDC Aurai Bhadhoi. She focused on Interview, narrative analysis, case study and its possibilities in research. Madam started her session with the meaning of research which means to describe, explore and explain. She also discussed the difference between quantitative and qualitative.

The 7th technical sessions was handled by **quantitative research method** taken by Dr. Meeta Saral, Associate Professor of Home science SGGDC, Gohna Mau. Madam initiated her session which the meaning of quantitative research. She also described the strengths of quantitative research which are enables testing and validating/ modifying existing theories about how and why phenomena occur and develop new theories by collecting data and testing hypothesis. She also pointed out few weaknesses of quantitative research.

The 8th technical session on **Data Analysis and Interpretation** was taken by Dr. Harendra Yadav. He started with the meaning of research and different steps of research. He talked about the characteristics of quantitative data – expressed by number, thorough measurement and always numeric data. He also discussed various scales of measurement – ratio scale, internal scale, ordinal scale and nominal scale. He explained the stages of data analysis process – editing, data cleaning, data coding to raw data, data presentation, data interpretation and discussion. Furthermore, he also



explained the descriptive data analysis – univariate, bivariate, multivariate and visual aids such as histogram, bar charts, pie charts & line graphs.

The 9th technical session was handled by Dr Amit Yadav Assistant Professor of Philosophy on **Ethics in research**. The facilitator began by posing question what do you think about ethics in research? He deliberates the unethical practices ongoing in research scenario. He also facilitate the ways how research can be to harmful by providing situation and live example. This session provides learners about psychological, economic, physical harm and ethical issues, three ethical principles, Safety, Privacy and confidentiality of participant's information how to protect themselves, their research work by adopting ethical code and procedures followed while conducting research.

The 10th session on **report writing in research** which was taken by Dr. Neha Acharya, Assistant Professor of Psychology Gulab Devi Mahila Degree College Ballia. Madam started her session with the meaning of research report which means a condensed form or a brief description of the research work done by the researcher. She said that research report should be concise, clear, honest, complete and accurate. She also discussed the structure of research report and the format of a research report. She also explained the chapter wise writing of research thesis and the various elements of each chapter. She also pointed out the rules of typing, difficulties in writing a report and features of a good report.

The last **Valedictory Session** was handled by Dr. Shiv Kumar, the Convener of the workshop and Assistant Professor at Department of Psychology. The rules and ways by which academic writing has to be undertaken were specifically mentioned during the session. Finally, the last session was devoted for the participants to share their experience. The course convener gave enough time for scholars to share their experience and also to point out the drawbacks of the workshop. Most of the participants had an opinion that this was the most valuable and memorable workshop that they have attended because most of the topic of doing social science research was covered by the workshop right from identifying a research problem, to formulating a research problem, developing a research design, developing a research hypothesis, preparing questionnaire and interview schedule, collecting data, doing qualitative research and finally report writing. Also the students gave a suggestion that it would be better if adequate time is given for them to discuss their own research topic with resource persons. To conclude the research methodology workshop for research scholars and future researcher- PG students in social sciences turned out to be a rich experience for the participants, raising their confidence to proceed with scientific research and produce quality output.

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