

## **Workshop Report on Research: Definition, Methods, and Types**

On August 21st and 28th, 2019, Mr. Subhodip Chatterjee conducted a two-day workshop for students on Research: Definition, Methods, and Types. The workshop provided an in-depth exploration of the fundamental principles of research, the various methods and approaches used, and the different types of research designs.

**Day 1: Defining Research and Methodology:** During the first day of the workshop, Mr. Chatterjee introduced the concept of research, defining it as a systematic inquiry that aims to uncover knowledge or solve problems. He discussed the key steps involved in the research process, from identifying a research question to collecting and analysing data. Students were introduced to different research methodologies, including quantitative and qualitative approaches. Quantitative research, which involves the statistical analysis of numerical data, was contrasted with qualitative research, which focuses on understanding and interpreting non-numerical data, such as interviews and observations.

**Day 2: Types of Research Designs:** The second day of the workshop focused on the different types of research designs, including experimental, quasi-experimental, and non-experimental designs. Mr. Chatterjee explained the advantages and disadvantages of each design, as well as the factors that should be considered when choosing an appropriate design for a particular research project. Students engaged in hands-on exercises that allowed them to practice identifying and applying different research designs to real-world research scenarios. They learned about the importance of research ethics, including issues of confidentiality, informed consent, and plagiarism.

**Conclusion:** The workshop is expected to have a positive impact on the students' future academic work and professional careers. By equipping them with the knowledge and skills of research, the workshop empowers them to critically evaluate information, conduct effective research, and contribute to the advancement of knowledge in their respective fields.



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