



Oriental Education Society's
Oriental College of Education & Research
UGC NCTE Approved, Affiliated to University of Mumbai,
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Adarsh Nagar, Andheri (W)
NAAC Accreditation 'B' Grade

Report on Seminar & Workshop: Research & Excel Mastery – Basics to Application

Organized by: Oriental College of Education & Research (OCER)

Under: IQAC & Research Publication Cell

Course Coordinator: Dr. Priyanka Pandey

Date: 8th March 2025

Venue: Seminar Hall, 2nd Floor

Time: 10:00 AM - 3:00 PM

Introduction

The seminar and workshop on "Research & Excel Mastery – Basics to Application" was organized by the Oriental College of Education & Research under the IQAC & Research Publication Cell. The objective of this event was to enhance research skills among students and faculty members by providing in-depth knowledge of quantitative research methodologies and hands-on training in Microsoft Excel for data analysis. The event aimed to bridge the gap between theoretical research concepts and their practical application in educational settings, ensuring participants gained valuable insights into evidence-based decision-making.

Overall Objectives:

- To enhance participants' understanding of research methodologies and their application in educational research.
- To equip students and faculty with essential quantitative research skills and statistical analysis techniques.
- To provide hands-on experience in using Microsoft Excel for data analysis, ensuring practical application in research projects.
- To promote a research-oriented approach among students and educators, fostering critical thinking and analytical abilities.

Session 1: Quantitative Research Seminar

- **Speakers:** Dr. Priyanka Pandey & Dr. Vinayak Shinde
- **Participants:** First-Year (FY) and Second-Year (SY) B.Ed. students of OCER
- **Overview:** The session covered essential aspects of quantitative research, including research design, hypothesis formulation, data collection methods, and statistical applications in educational research. The speakers emphasized the importance of research in education and guided students on structuring a strong research framework.

Lunch Break

A 30-minute lunch break was provided to all participants before proceeding to the hands-on workshop.

Session 2: Excel Workshop – Basics to Application

- **Venue:** ICT Lab, 5th Floor, OCER College
- **Speakers:** Prof. Manisha Sonavane & Prof. Sanabano Shaikh
- **Participants:** All staff and students
- **Overview:** The session provided hands-on training on Microsoft Excel for data analysis. The workshop covered key statistical techniques such as:
 - Descriptive Analysis (Mean, Median, Mode, Standard Deviation)
 - T-Testing for hypothesis testing
 - Graphical Representation of Data
 - Correlation Analysis for research interpretation

Participants actively engaged in practical exercises, enhancing their understanding of statistical data analysis and interpretation using Excel. The interactive session ensured that students and faculty gained essential skills for academic research and professional growth.

Conclusion

The seminar and workshop successfully equipped students and staff with valuable knowledge on quantitative research and data analysis using Excel. The hands-on training enhanced their analytical skills, enabling them to apply research methodologies effectively in their academic projects. The event concluded with a vote of thanks, acknowledging the contributions of the resource persons and participants.

Geo tagged Images



