

## **FACULTY DEVELOPMENT PROGRAM ON**

### **Research Methodology - Use of Software SPSS & EViews**

**Date:** 26<sup>th</sup> August 2022

**Venue:** HBX Classroom, ASM's IPS

**Introduction:** Research methodology plays a pivotal role in the scientific investigation of phenomena, guiding researchers in the systematic collection, analysis, and interpretation of data. In contemporary research, the integration of advanced statistical and econometric tools has become increasingly crucial for obtaining meaningful insights from complex datasets. This study employs the renowned statistical software SPSS and the econometric software EViews to enhance the rigor and precision of the research methodology.

#### **Objective:**

To make the faculties understand the Basics of Research Methodology and the different statistical tools available in SPSS & EViews software.

**Speaker / Resource Person:** Dr. Vikas Barbate, Dean of Institute of Professional Studies.

**Report:** ASM's Institute of Professional Studies, Pimpri-Chinchwad, Pune conducted FDP on 'Research Methodology - Use of Software SPSS & EViews' on 26/08/2022 in the HBX Classroom. Dr. Barbate first explained the research framework, data collection, data pre-processing and then he explained about statistical analysis part using SPSS in that he said SPSS is employed for statistical analysis, providing a comprehensive suite of tools for descriptive statistics, inferential statistics, and data visualization. Descriptive statistics offer insights into the central tendencies and variability of the data, while inferential statistics, such as regression analysis, chi-square tests, and ANOVA, help in making broader inferences about the population. Later he briefed on Econometric Analysis using EViews. EViews, a specialized software for econometric analysis, is utilized to model and analyze economic relationships. Time series analysis, panel data analysis, and forecasting are some of the key features of EViews that contribute to the econometric aspects of the study. At the end he shared the information on model specification and testing and the process of interpreting the results. Interpretation of results involves drawing meaningful conclusions from the statistical and

econometric analyses. The software outputs are critically evaluated in light of the research questions or hypotheses, contributing to the generation of insights and recommendations.

In conclusion speaker said, the integration of SPSS and EViews in the research methodology enhances the analytical capabilities, allowing for a robust investigation and interpretation of complex data structures. The combination of statistical and econometric tools provides a comprehensive methodological approach, contributing to the advancement of knowledge in the field under study.

**Outcomes:** Faculty enhanced understanding of Research Methods, Skill Development and Application of Statistical Software.

This FDP was very important for all the faculty, it enabled them to gain knowledge about basics of Research Methodology, SPSS and EViews software.

**Photos:**



