

Summarized Report Day-3

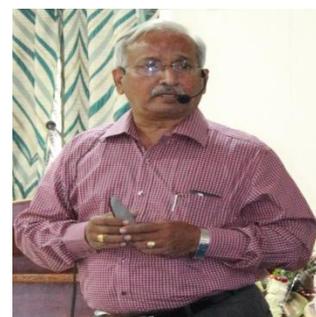
Day 3: Session 1:

Day 3 of the Faculty development program began with the technical session which was conducted by Prof. B. Rajshekhar on the topic of “Parametric and Non-Parametric Tests”. He devised innovative ways in order to find the significant difference between the variables by using the statistical concept of Correlation coefficient in the MS- Excel application. He also discussed about the phenomenon of Normal distribution covering the study of the one tail and two tail tests through computer generated graphs. In addition, he also helped develop our own normal distribution table using the “What-if” tool in MS-Excel. With an expertise in the subject of testing of hypothesis, he explained several practical examples which sharpened the minds of the delegates in order to clearly distinguish between accepting and rejecting a hypothesis with the existence of errors.



Day 3: Session 2:

Following the 1st session, the next technical session was conducted by Prof. V. V. Haragopal, Professor, Department of Statistics and Chairman - Board of Studies, Osmania University. The topic taken by him was “Factor Analysis”. The session commenced with the study of a questionnaire with a detailed explanation about the importance of conducting a significant analysis of the factors under study. He discussed about the concept of Factor Analysis stating that the said analysis is not a reduction of factors but a reduction in



dimensionalities and searching for the commonality in order to rate it based on highest preference. In addition, he also explained about the Principal Component analysis, Data Matrix of scattered variables through 3-D graphs and calculation of Eigen vectors using the SPSS software. Prof.Haragopal's vast experience helped the delegates learn newer ways to interpret the behavior of factors with respect to particular data.



Day 3:Session 3:

The 3rd session that continued after lunch was a practical extension of what was discussed in the former session. It mainly focused on Factor Analysis using SPSS and their interpretation. Several data sets were made available to the delegates with the help of which they could analyze the data using the software and understand the working of it in an advanced manner using different types of analyses.

