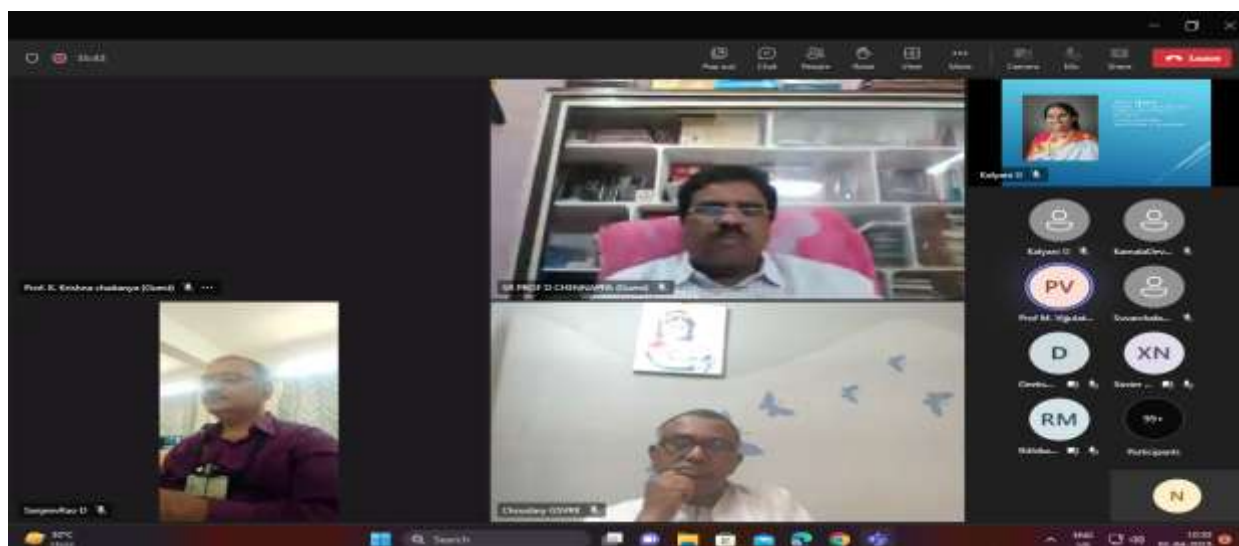


Report on One Day Workshop on Data Analysis and Interpretation

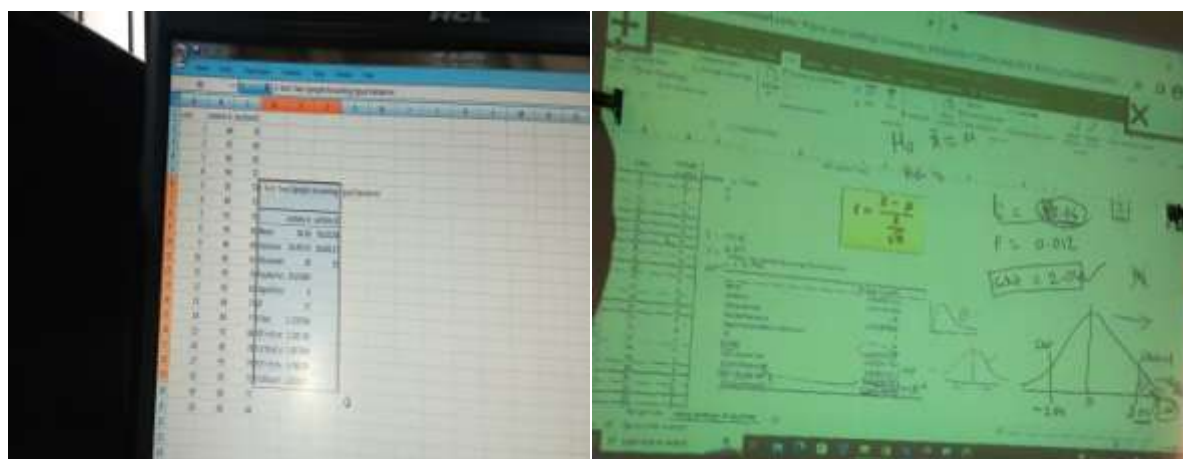
One Day workshop on Data Analysis and Interpretation was jointly organized by Telangana Mahila Viswavidyalayam, Department of Commerce, Osmania University and Bhavan's Vivekananda College of Science, Humanities and Commerce on 1st April, 2023 at 9.45 am. The details of workshop were introduced by Mrs. L V Kamala Devi, Head, Department of Commerce, BVC. She stated the need of Data analysis and interpretation by all the institutions for their UG and PG students under TSCHE region. The Patron, Dr GSVRK Choudary, Principal, BVC inaugurated the workshop and emphasized the need for data analysis irrespective of discipline. Research work has become prominent in every field for future requirements in all disciplines. Prof Krishna Chaitanya, Head, Department of Commerce, Telangana Mahila Viswavidyalayam, Hyderabad focused on the significance of Data Analysis and Interpretation. He said that the students should learn new techniques, use suitable software available for their research work and ushered to complete their project work with new ideas with realistic approach. Sr Prof. D Chennappa spoke on the requirements of data analysis and interpretation and emphasized on the role of each institution under cluster colleges in Telangana State. Prof. Vijjulatha, Chief Patron of Workshop and Vice Chancellor of Telangana Mahila Viswavidyalayam, Hyderabad expressed that Research has been a buzz word in the present situation. Being a researcher, she stressed on the importance of analysis and interpretation of the data collected from various sources. She also mentioned that It is necessary to adopt the relevant tools for appropriate research problem to arrive at accurate conclusions and suggestions. She also declared the workshop OPEN.

At the end of the inaugural session, Dr D Sanjeeva Rao, Assistant Professor of Commerce and Workshop Coordinator proposed vote of thanks. The workshop had a registration of **487** Students from various institutions under cluster colleges. The Resource Person for the workshop was Dr Seshadri Kiran Tharimala, Associate Professor of Mgt Studies, CMR College of Engineering and Technology, Hyderabad.



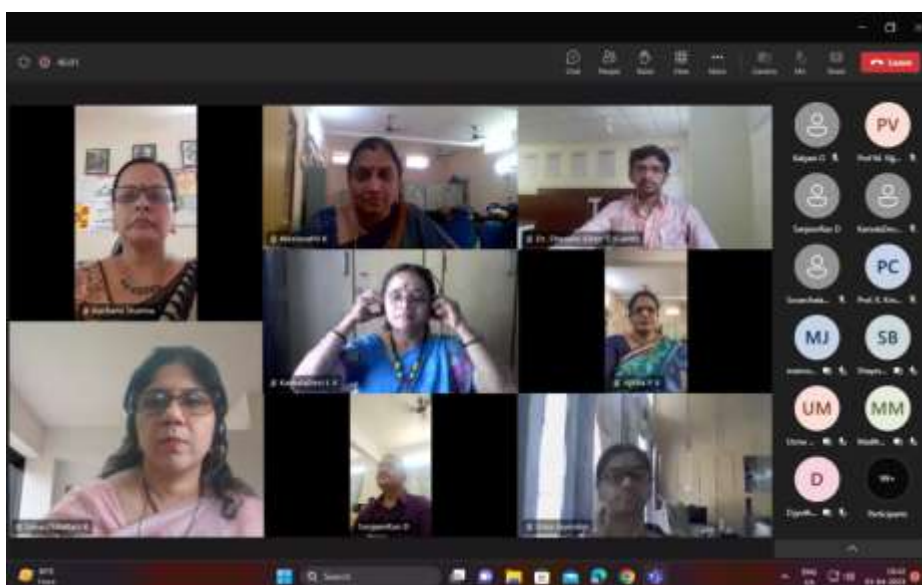
SESSION I

Session I commenced at 10.25 am with the introduction of the Resource Person Dr Seshadri Kiran Tharimala, The resource person has circulated the required data set for the application of tools in the workshop. The Session began with the introduction of F test theorem and use of F test, T test and Z test signifying the confidence level and level of significance for a population and sample information. He also stressed the formation of hypothesis for one tailed test and two tailed tests. He explained these tests executing the data on EXCEL. He also showed how to enter the data step wise and obtain the result. The obtained results were interpreted and tips were also given to the students. It was an interactive session with the students participating with high spirit and interest.



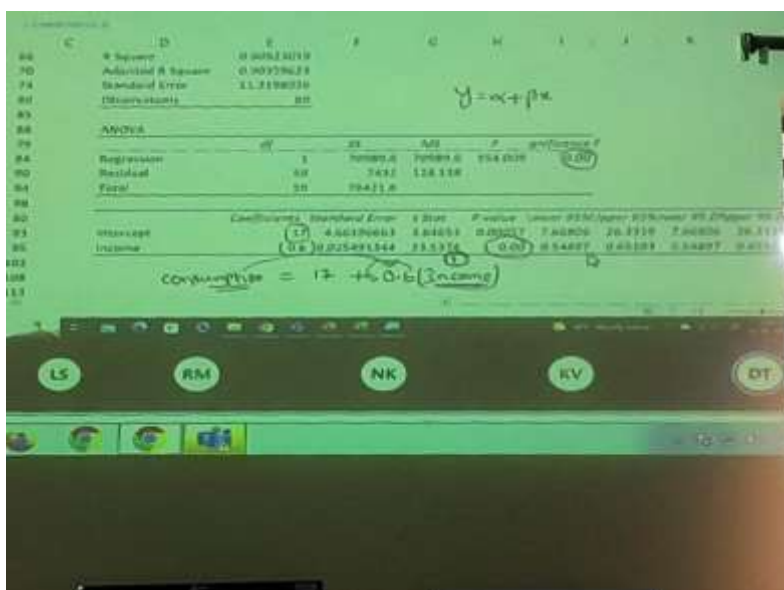
SESSION II

Session II commenced with chi-square test explaining the application of the test for nominal and categorical variables. Taking an example he explained the measurement scales, framing of hypothesis and applying the formula to calculated values and observed values with various steps to be executed with a predefined data set. The resource person has explained the concepts of one sample t test, independent sample tests, ANOVA test consisting of the data within group variance and between group variance. He drew the interpretation for the data set with F value and concluded the session.



SESSION III

Session III commenced post lunch. The resource person explained correlation and Regression analysis with the help of predefined data set. He also explained the difference between the usage of words Relationship and Association while applying the correlation for the data used. He also explained the framing of hypothesis for correlation and executed the same on Excel. The output generated was explained with interpretation and conclusion. The regression concept is applied for predicting the data and to measure the impact of influence of one variable on another variable. He also explained the linear regression model and multiple linear regression model for the data by using confidence level and level of significance where R^2 is used. This session was very much interesting as the students were also interactive.



Students with hands on training in the workshop on data analysis and interpretation

VALEDICTORY SESSION

Valedictory programme commenced at 4 pm. The workshop Report was presented by Dr D. Sanjeeva Rao, Workshop Coordinator and compered the entire session. Prof. Krishna Chaitanya Congratulated the organized team for their continuous efforts and coordination for the success of the workshop. He also suggested to conduct such programmes in future for the benefit of the students of cluster colleges. Dr. K . Suvarchala Rani, Coordinator of Cluster College, BVC spoke on this occasion and expressed happiness over the entire conduct of the workshop and its success. Dr O Bhavani, Coordinator of Cluster College, TMV, gave her concluding remarks on the participation of large number of students and a wonderful learning experience to the students and staff. At the end of the programme vote of Thanks were presented by Mrs. L. V. Kamala Devi, Head Department of Commerce.

The workshop also provided hands on training on various data analysis tools and techniques such as F test, T test, Chi- square Test, ANOVA, Correlation and Regression using EXCEL, SPSS for Factor Analysis.

The workshop received an overwhelming response from participants, including students, faculty members, and professionals. They appreciated the quality of the content, the organization of workshop and the expertise of the speakers.

Overall, the workshop was a great success, and it helped participants enhance their skills in data analysis and interpretation. The participants left the workshop with a better understanding of the subject and with practical skills that they could apply to their project work.