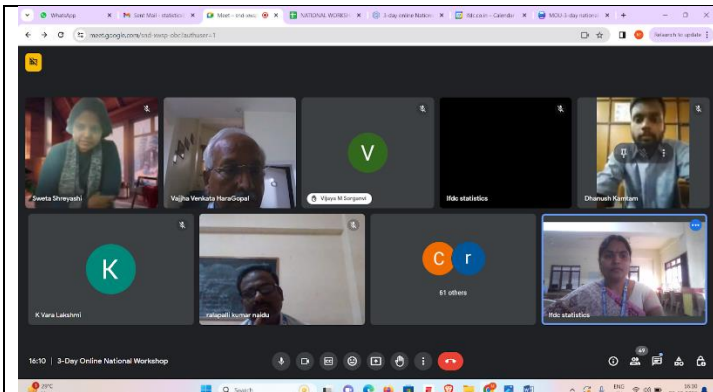# LITTLE FLOWER DEGREE COLLEGE
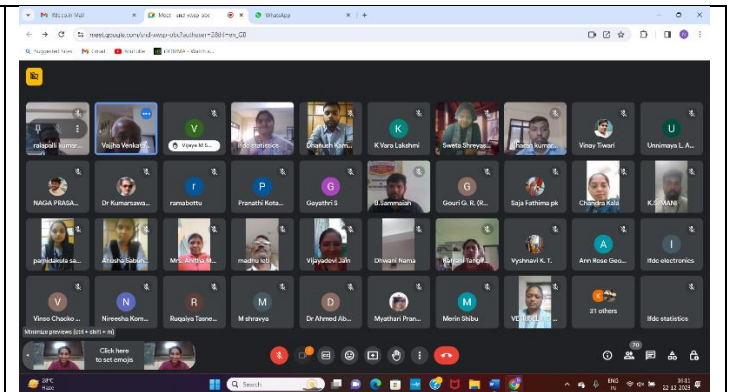## UPPAL, HYDERABAD-500039

REPORT
3-DAY ONLINE NATIONAL WORKSHOP
ON
ADVANCED MACHINE LEARNING TECHNIQUES

The Department of Statistics, Little Flower Degree & PG College, Uppal in collaboration with Rajagiri College of Social Sciences, Kerala organised a 3 – Day Online National Workshop on "Advanced Machine Learning Techniques" on 22nd, 23rd & 27th December 2023 on the Google Meet platform. The primary goal of organizing the National Workshop on Advanced Machine Learning Techniques was to provide participants with a comprehensive understanding and practical exposure to cutting-edge concepts in Machine Learning. The guest speakers were Prof. V. V. Hara Gopal (Retd), Osmania University, Dr. Rajini, Assistant Professor, Bhavan's Vivekananda College, Hyderabad and Dr. Bindu Krishnan, Senior Statistician, Data & AI IBM India Software Labs, Kochi.

Prof. Hara Gopal spoke about Multivariate Analysis and the practical applications of these concepts using SPSS. Dr. Rajini in her talks explained Python-based Machine Learning, specifically focusing on Regression and Classification techniques. Her comprehensive lecture covered a spectrum of Machine Learning techniques, encompassing multiple facets such as Multiple Linear and Logistic Regression, K-Nearest Neighbours (KNN), Random Forest, Support Vector Machine (SVM) etc. Dr. Bindu Krishnan spoke about Neural Networks. She demonstrated and implemented this concept in Python. Participants gained a deeper understanding of these concepts. The practical implementation of these techniques with real-time datasets enhanced participants' hands-on skills and positively impacted their professional growth and contributing to the broader landscape of Machine Learning knowledge dissemination.
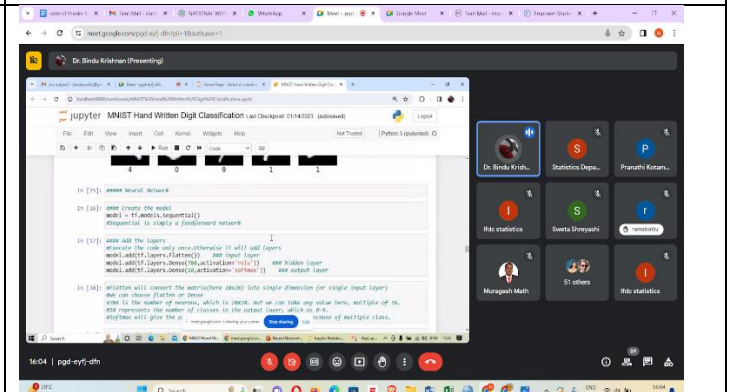
Participants took the initiative to seek clarification and address their queries directly with the speaker, Prof.Hara Gopal	Group Photo with the speaker Prof. V. V. Hara Gopal
Dynamic interaction unfolded between the speaker Dr. Rajini and participants during the session.	Dr. Bindu Krishnan implemented the coding for Neural Network concepts using real-time data.