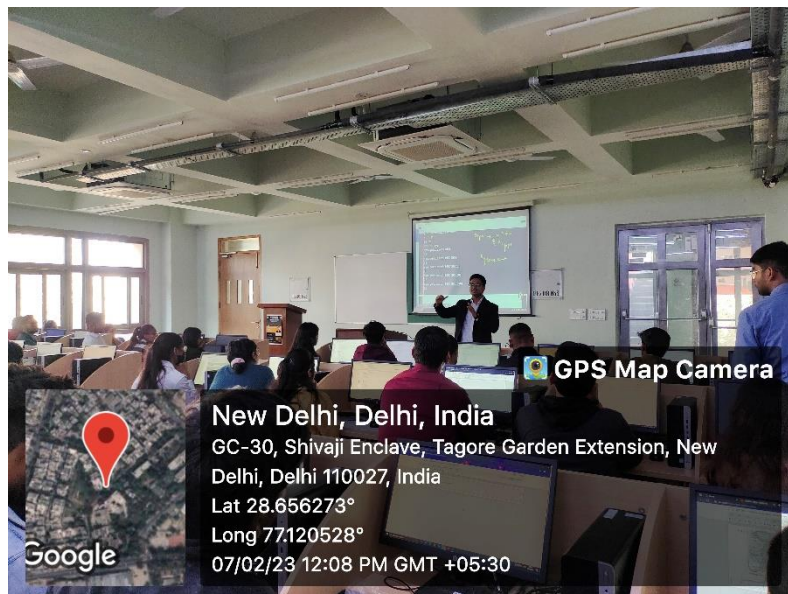
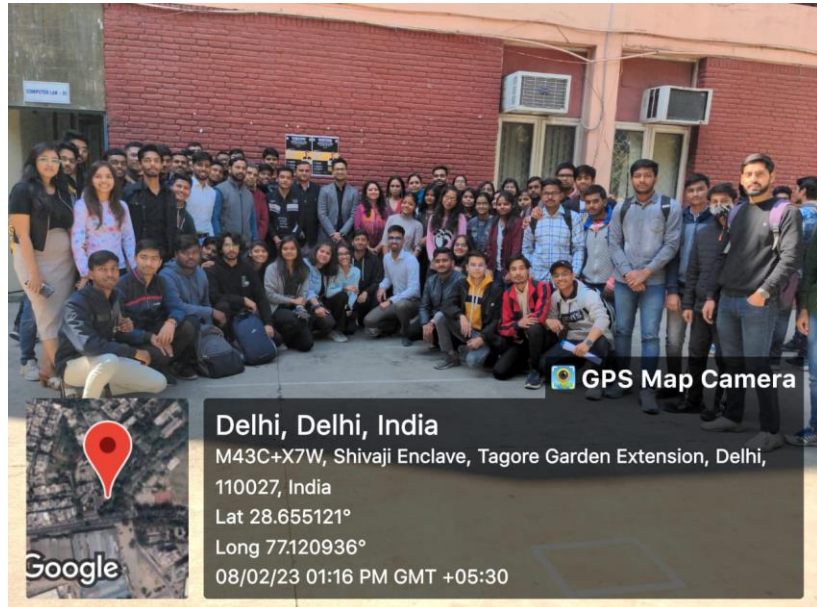


## Report

Websters, the Computer Science Society, Shivaji College organized a two-day workshop on **Data Analysis Using Python on 7-8, February 2023**. The resource person for the workshop was Mr. Ravikant Tyagi, Trainer and Co-Founder BrainMentors Pvt. Ltd, having 8+ years' experience as a Data Scientist and Software professional.

The workshop aimed at equipping students with necessary skills in Data Analysis and Visualization, introducing them to important libraries and tools for Data Science. The duration of the workshop was 12 hours, spread over 4 sessions of 3 hours each. 65 students attended the workshop. The workshop witnessed participation from students across different courses.



An inaugural ceremony was held on 7<sup>th</sup> February 2023. Ms. Preeti Sharma, Teacher-in-charge welcomed the speaker and motivated students to participate and utilize this opportunity to enhance their skillset.

Day one introduced students to the basics of Python Programming, making a simple Chatbot application in Python. Getting them started with NumPy library, creating N Dimension Array, Introduction to Pandas and how to perform analysis using pandas library.

Day two comprised of working with the data visualization libraries matplotlib ,seaborn and Plotly. Plotting bar chart, histogram, scatter plots, line plot, box plots. 3D Plots, Live Graphs. They were also introduced to Streamlit -creating dashboards through them. Students were made to work on real time datasets to get hands on experience.

The 2-day workshop concluded with a Quiz to test the skills acquired through the workshop. Naveen from B.Sc(Hons) Physics stood 1<sup>st</sup> in the Quiz. The workshop ended with a vote of thanks.

