

Data Analysis and Visualisation using Python

(February 2024)

The Department of Computer Science at Mata Sundri College for Women organized the hands-on workshop on “**Data Analysis and Visualisation using Python**” on February 23, 2024. The workshop had the primary aim to introduce the students with concepts of data analysis and visualisation using Python.

The distinguished speaker for the day was Dr. Ankit Rajpal, an Assistant Professor at the Department of Computer Science, University of Delhi with over a decade of teaching experience. Dr. Rajpal shared his expertise with the participants. The workshop is planned for 3rd year students of B.Sc. (Hons) Computer Science.

Dr. Rajpal's contributions to the world of academia and research are truly remarkable. His recent accolade, a research publication award, speaks volumes about his commitment to advancing knowledge in computer science. His published research paper, titled "XAI-MethylMarker," which explores an explainable AI approach for biomarker discovery in breast cancer subtype classification using methylation data, exemplifies his expertise in the field.

Furthermore, Dr. Rajpal's inventive spirit is evident in his patent for a video watermarking tool developed for MPEG-4 AVC videos. This patent stands as a testament to his ability to translate theoretical knowledge into practical solutions.

His research endeavors don't end there. Dr. Rajpal has been involved in several research projects, each contributing to the advancement of science and technology. His work on "XL1R-Net" and "Enlightening the Path to NSCLC Biomarkers" demonstrates his proficiency in utilizing explainable AI-driven deep learning techniques for biomarker identification in cancer research.

The interactive session sparked curiosity among all students, ending at 4:30 PM with expressions of gratitude and enthusiastic applause for Dr. Rajpal. His deep expertise on the topic left a lasting impression on everyone present.

His expertise and engaging presentation style made the intricacies of data analysis accessible and inspiring. The practical examples provided have equipped students with valuable insights.