

MATA SUNDRI COLLEGE FOR WOMEN
UNIVERSITY OF DELHI
DEPARTMENT OF COMPUTER SCIENCE
CYBERNAUTS

REPORT ON THE HANDS-ON WORKSHOP
Pre-Semester Bridge Session: Data Interpretation & Visualization using Python

Organising unit	Cybernauts, Department of Computer Science
Resource person	Mr. Parth Shukla, Founder & CEO, 9ledgePro Pvt. Ltd.
Participants	Students of B.Sc. (Hons.) Computer Science, Semester V
Venue	Lab 127
Schedule	16 September 2026, 11:00 a.m.–5:00 p.m.; Saturday follow-up session, 11:00 a.m.–1:00 p.m.

1. Introduction

Cybernauts, the Department of Computer Science, Mata Sundri College for Women, University of Delhi, organised a hands-on workshop titled “Pre-Semester Bridge Session: Data Interpretation & Visualization using Python” for students of B.Sc. (Hons.) Computer Science, Semester V. The workshop was conducted by Mr. Parth Shukla, Founder & CEO of 9ledgePro Pvt. Ltd.

2. Objectives

- To strengthen students’ understanding of data interpretation and visualization.
- To provide practical exposure to Python-based approaches for working with and presenting data.
- To bridge conceptual learning with hands-on application ahead of the semester.
- To encourage analytical thinking and effective communication of insights from data.

3. Proceedings and Extended Schedule

The workshop was initially planned as a one-day session. In response to the learning requirements and the need for additional practical engagement, the programme was extended. The first day, 16 September 2026, ran from 11:00 a.m. to 5:00 p.m. A further two-hour session was held on Saturday from 11:00 a.m. to 1:00 p.m. The sessions were conducted in Lab 127.

The workshop focused on the theme of data interpretation and visualization using Python. Its hands-on format was intended to help students connect concepts with practical work and build confidence in using computational tools to understand and communicate data. The additional session provided further time for reinforcement and continued engagement with the workshop content.

4. Learning Outcomes

The workshop was designed to support the following outcomes:

- Improved familiarity with the role of Python in data interpretation and visualization.
- Greater awareness of how visual representations can help communicate patterns and insights.
- An opportunity to reinforce practical skills through an extended learning session.
- Better preparedness for applying data-related concepts in coursework and projects.

5. Conclusion

The workshop provided a focused, practice-oriented learning opportunity for Semester V students of B.Sc. (Hons.) Computer Science. Extending the programme beyond the originally scheduled day allowed additional time for learning and engagement. The Department of Computer Science and Cybernauts acknowledge the contribution of Mr. Parth Shukla and the value of industry-oriented sessions in complementing classroom learning.

Date of report: _____