

## Department: E-Cell VGEC

### Event Name : Python for AI & Data Science

A technical session on coding and career development was conducted by Bhavik Rohit, Jainam Sanghavi, and Devam Satasiya. The session focused on using ChatGPT for Python programming, understanding the basics of Data Structures, learning important Python libraries (NumPy and Pandas), and exploring future opportunities in the IT industry.

The speakers explained how ChatGPT can be used to write Python programs, debug errors, and understand logic easily. This showed students how artificial intelligence can support learning and improve coding efficiency. They then discussed the basics of Data Structures, including List, Tuple, Set, and Dictionary, and explained their importance in organizing and managing data efficiently.

The session also introduced NumPy for numerical operations and Pandas for data analysis and handling large datasets. Simple examples helped students understand how these libraries are used in real-world applications such as data science and machine learning.

In the final part, guidance was given on future opportunities. Students were advised to strengthen their foundation in Python and Data Structures. The speakers suggested learning languages such as Java, C++, and JavaScript to match industry needs and encouraged students to work on projects and practice coding regularly.

Overall, the session was informative and motivating, providing technical knowledge and career guidance to the participants.

#### Key features:

- **Expert Speaker:** Bhavik Rohit, Devam Satasiya, Jainam Sanghavi
- **Event Title:** Towards AI Mission
- **Venue:** B-Block Class-206, VGEC
- **Date & Time:** 31/01/2026, 10:30 am to 01:30 pm
- **No. of Participants:** 80+ students
- **Organized by:** VGEC E-Cell
- **Faculty Coordinators:** Prof. Chetna G. Chand , Prof. Swapna A. Pawar , Prof. Jatin N. Patel

#### Discussion Points:

- **ChatGPT for Python Coding** – Helps in writing, debugging, and understanding code.
- **Basics of Data Structures** – Use of List, Tuple, set, and Dictionary for efficient data handling.
- **Python Libraries** – NumPy for numerical work and Pandas for data analysis.
- **Industry Requirements** – Importance of Python and Data Structures for jobs.
- **Future Skills** – Learning Java, C++, and JavaScript and doing projects for career growth.

**Glimpses of the event:**

