TECNIA INSTITUTE OF ADVANCED STUDIES

NAAC GRADE "A" INSTITUTE (CYCLE-2)
Approved by AICTE, Ministry of Education Govt. of India,
Affiliated to G.G.S.I.P. University & Recognized Under Sec. 2(f) of UGC Act 1956.
INSTITUTIONAL AREA, MADHUBAN CHOWK, ROHINI, DELHI-110085

DATA SCIENCE CLUB

Report (Workshop on Python)

Event	Awareness
Type of Activity:	Workshop
OBE Values	Technical Competence
Mulya Pravah	Dedication
Global Impact-UNSDG No.	SDG 4 – Quality Education
Objectives	1. To develop basic Python programming skills. 2. To understand data manipulation using Python. 3. To apply Python for data visualization. 4. To improve problem-solving and logical thinking. 5. To gain practical programming experience for data analytics. 6. To apply Python concepts to real-world problems.
Course Mapping	Introduction to Python (BCA 201T,BCA207T)
Course Outcome (CO)	Students will be able to analyze data using appropriate tools and techniques and present insights through effective data visualization and dashboards.
BT Level	BTL 3 - Apply and BTL 4 – Analyze
Expected Outcomes	1. Students gain practical knowledge of Python programming. 2. Students can manipulate and analyze data using Python. 3. Students can create basic data visualizations. 4. Students develop problem-solving and logical thinking skills.
In collaboration/association with	Domain Club: Data Science Club (DICT)
Name & Designation details of Resource Person- Internal Expert (LinkedIn Profile Link)	Mr. Pradeep Kumar Verma, Assistant Professor (TIAS)
Name & Designation details of Resource Person- External Expert Trained counseling expert(LinkedIn Profile Link)/	NA
Duration (Date & Time)	22-Aug-2026
Mode (Offline/Hybrid)	Offline
Venue	COE Lab 2nd Floor UG Block Room No.2201
No. of Internal Participants	30
No. of External Participants *[write NA if not applicable]*	0
No. of Institutions Participated	01
University Representation	NA
Awards/Recognition (if any) (Attach e-copy of Awards/Certificates)	E-Certificate

Innovation / Best Practice

The workshop adopted a **hands-on, experiential learning approach** by providing students with practical exposure to Python programming for data analysis, visualization, and problem-solving. Key innovative features include:

- Integration of **Python programming with data analytics and visualization**, reflecting current industry and technological requirements.
- Hands-on experience in **data manipulation, analysis, and basic visualization using Python libraries and tools**.
- Experiential learning through practical coding exercises and real-world problem-solving activities.
- Development of **logical thinking, programming skills, and analytical abilities** through interactive sessions.
- Application of Python concepts to **real-world datasets and data-driven decision-making processes**.
- Alignment of the activity with **OBE – Technical Competence, Mulya Pravah – Dedication, and UNSDG 4 – Quality Education.**

Feedback:

Mode of feedback collection (form / oral / reflection / survey)	**Evidence to be maintained by the Event Coordinator:** • Attendance sheet • Event poster/flyer • Screenshots/photographs of the webinar • Feedback form and responses
Key feedback highlights	**Students found the session highly practical and informative, gaining a clear understanding of live Python demonstrations for data manipulation, visualization, and automated analytics.**
Suggestions for improvement (if any)	**NA**

Concluding

The Python workshop successfully equipped second-year students with practical data manipulation and visualization skills, fulfilling the target outcomes for CO2 and BTL-3 application under SDG 4 (Quality Education). Through hands-on coding demonstrations, participants gained actionable knowledge in data analytics and automation. To build on this success, future sessions will incorporate additional live practice time and pre-workshop environment setups, ensuring students continue to develop strong technical competence and real-world problem-solving capabilities.

Media Coverage:

Social media link(s) (Mandatory)	**https://www.instagram.com/tecniainstitute.ig/, https://in.linkedin.com/company/tecniainstitute, https://www.facebook.com/Tecniaofficial/**
Print Media evidence (If any)	

Poster/Flyer

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WORKSHOP

— Workshop on —

PYTHON



DATE :
22nd August, 2026

Mr. Pradeep Kumar Verma
Assistant Professor
Department of Computer Science
Tecnia Institute of Advance Studies, Delhi

DATE :
22nd August, 2026

VENUE:
COE Lab 2nd Floor UG Block

SCAN TO REGISTER

Scan the QR code
to register for the workshop
and get event updates.

pandas

ORGANIZING COMMITTEE:

- Dr. Sushma Bahuguna (Assoc Dean, DICT)
- Ms. Garima Saini (Coordinator)
- Ms. Rajni (Coordinator)
- Mr. Akshit Bhardwaj (Coordinator)

jupyter

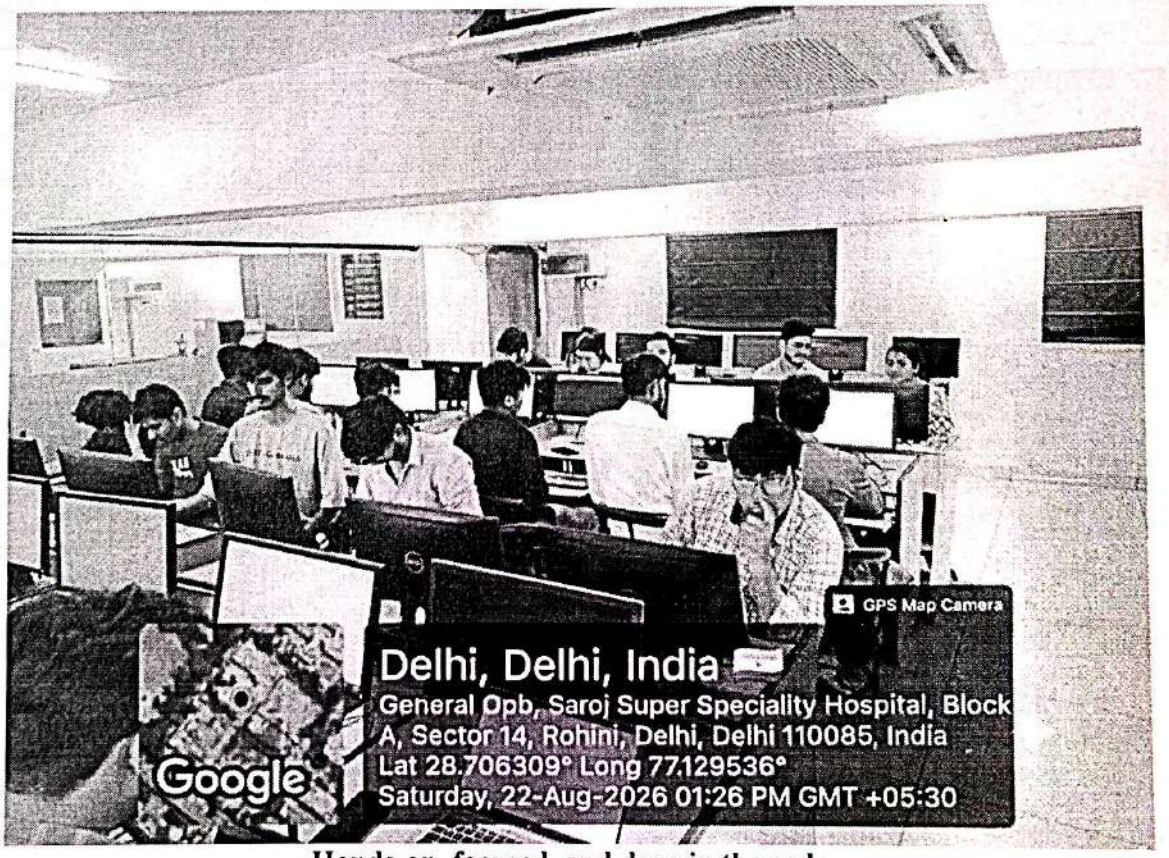
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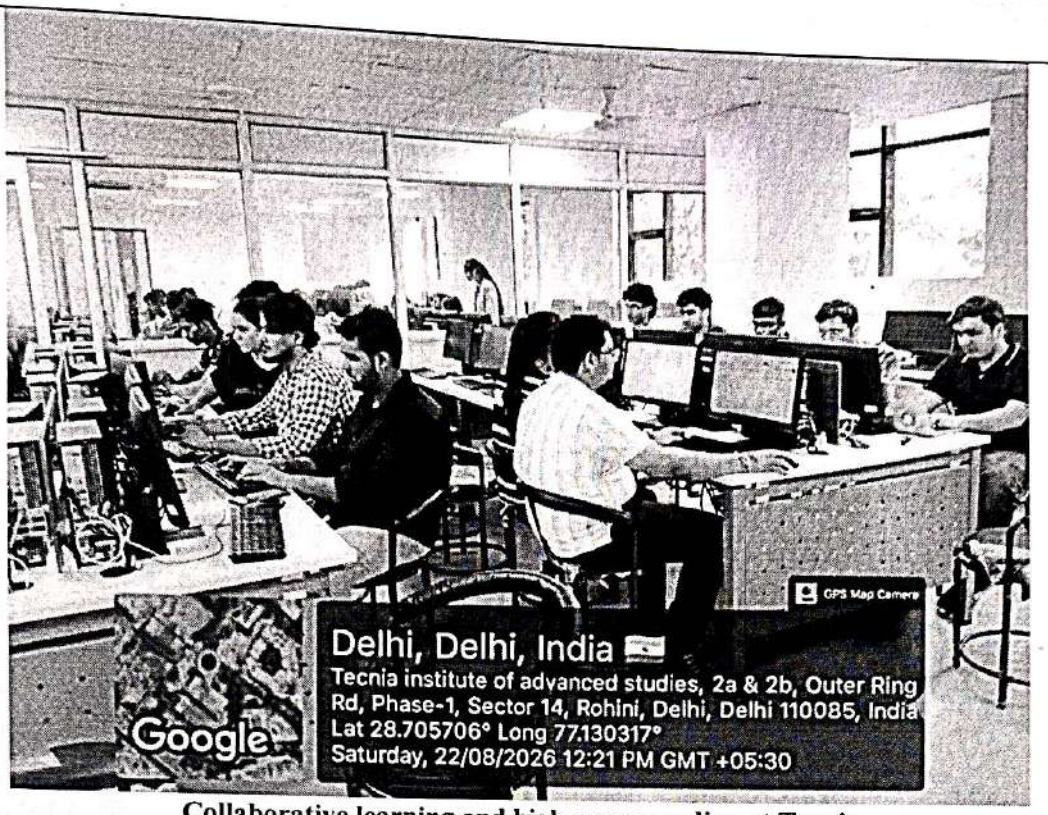
Geotag photos (with Caption):



Mastering the fundamentals—instructor leading the Python deep dive!



Hands-on, focused, and deep in the code.



Collaborative learning and high-energy coding at Tecnia

List of Participants (Attendance Sheet):

S. No.	Enrolment No.	Name of the Student	Prog & Year	Sign
1	11017002025	Amaan Ahmed	MCA,2nd	
2	11417002025	Vipan Kumar vansh	BCA,2nd	
3	05517002024	Krishna Chadha	BCA,2nd	
4	10221302024	Harsh chauhan	BCA,2nd	
5	03021302025	Nishika	BCA,2nd	
6	05317002026	Pratik	BCA,3rd	
7	03921302024	Dhaanya Sethi	BCA,2nd	
8	05817002026	Prachi Rawat	BCA,3rd	
9	35921302024	Padmavati K	BCA,3rd	
10	05321302026	Soumya tiwari	BCA,3rd	
11	09617002025	Tanishka Gupta	BCA,2nd	
12	01221302025	Anjali Tiwari	BCA,2nd	
13	00621302025	Aayushi Gupta	BCA,2nd	
14	02517002024	Ashmit Nanda	BCA,2nd	
15	09517002024	Haya Akhtar	BCA,2nd	
16	00011702024	Dheirya Saini	BCA,2nd	
17	09121302025	Pratham Chaudhary	BCA,3rd	
18	06317002025	Lakshika	BCA,2nd	
19	05121302024	Parv mehndiratta	BCA,2nd	
20	02521302025	Tanishk Gupta	BCA,3rd	
21	00321302025	Dhruv Ramesh Iyer	BCA,2nd	

22	02521302024	Ali hashim	BCA,2nd	
23	02621302024	Aman baid	BCA,2nd	
24	00721302025	Lakshay Sharma	BCA,2nd	
25	09517002024	Lakshay Kumar	BCA,2nd	
26	08217002024	Ujjwal Chaurasia	BCA,2nd	
27	05321302025	Prince	BCA,2nd	
28	02221302025	Shreya Jain	MCA,2nd	
29	02517002025	Nishika	BCA,2nd	
30	09221302026	Abhinav	BCA,3rd	

Event Coordinator/Club Incharge

Ms. Rajni
Data Science Club Incharge

Dr. Ratandeep Kaur
Domain Club Head

Dr. Sushma Bahuguna
Asso. Dean, DICT

Asso. Dean, Dept. of Info. Comm. & Tech.
Tecnia Institute of Advanced Studies