COA-TRC BHOPAL and PLANNOGRAM PRESENTS

National Level Online Training on

Python for Beginners - Level 2

22nd APRIL - 26th APRIL 2024

LIMITED SEATS - LAST DATE FOR REGISTRATION IS 15th APRIL 2024

ONLY THE FRIST 35 PARTICIPANTS WILL GET CONFIRMATION EMAIL FROM THE ORGANISERS.
REGISTRATION WILL CLOSE ONCE SEATS ARE FULL.
THISIIS AM EXECUTIVE PYTHON TRAINING PROGRAM SCHEDULED OVER
5 DAYS IN THE MONTH OF APRIL, 2024.

CONVENOR

Dr. Navneet Munoth
Hon. Director, COA TRC, Bhopal

COORDINATOR

Aditi Bhattacharyya (+91 99808 81310)
Anugrah Anilkumar Nagaich (+91 77386 91422)

REGISTRATION DETAILS

Registration Fee for UG STUDENTS - INR 1500/- (only 25 seats for UG STUDENTS)

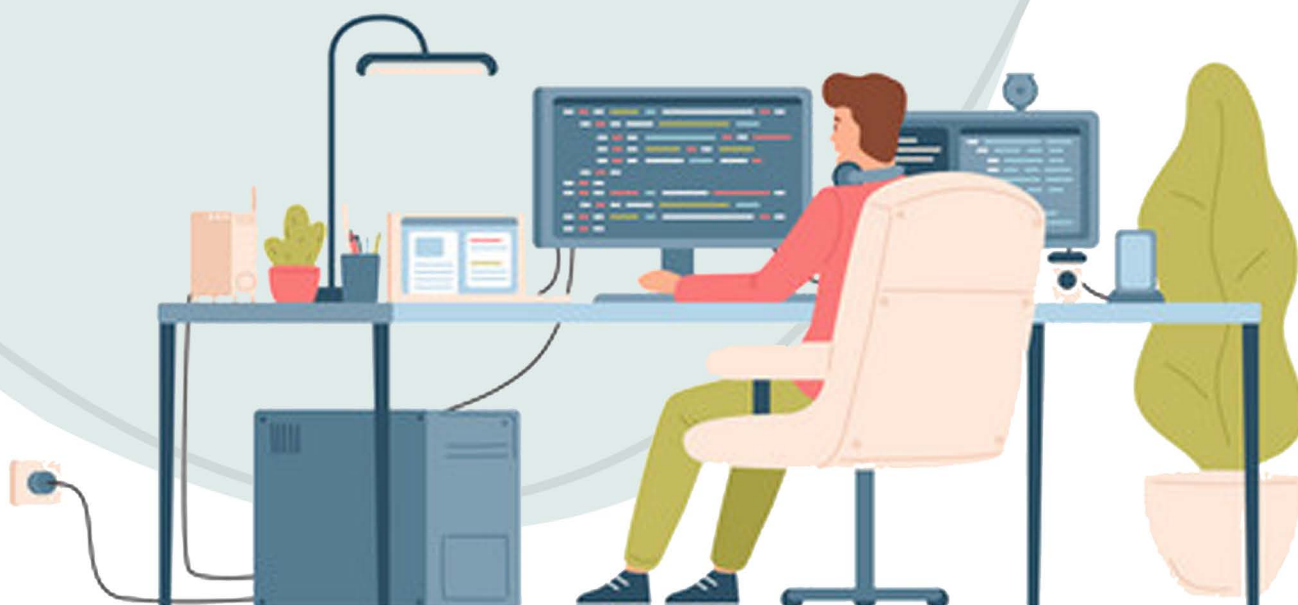For ACADEMICIANS/PROFESSIONALS/PG and PhD STUDENTS - INR 1500/- (Valid CoA Registration required)

OTHERS - INR 3000/- (Other PROFESSIONALS without valid CoA registration number)

Kindly email the scanned images of proof of payment on coatrc.bhopal@gmail.com to confirm registration.

→ Virtual meeting link will be shared after registration by email.
→ E-certificate of the FDP shall be sent by email on the registered email id of the participant upon successfully completing the program.
→ By successful completion we mean, attenting all sessions and completing the MCQ test.
→ MCQ test will be conducted on the last day. The time given would be: 4.30 pm - 5.30 pm

Payment Link: https://eazypay.icicibank.com/eazypayLink?P1=KOOkQYjNFb8LZHkyuUDx6Q==

Registration Link: https://forms.gle/rj9m3unSFXfmVV49A

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DATA ANALYSIS AND GUI VISUALIZATION USING PYTHON

PREAMBLE:

Having previously led a Python workshop tailored for beginners as 'Python for Beginners - Level 1', we are thrilled to announce the upcoming Level 2 session. Level 1, the national online short term training program on 'Python for Beginners - Data analysis and Visualization' was curated with a focus on implementing projects using BIM strategies. Building upon the success of our introductory workshop, Level 2 will delve deeper into Python's capabilities, focusing specifically on data analysis and GUI visualization. By mastering these advanced techniques, participants will gain invaluable skills essential for navigating the world of data in their respective domains. The workshop aims to alleviate these concerns by providing clarity and guidance, serving as a stepping stone for continuous learning and growth.

In this context, the national online short-term training program on 'Python for Beginners: Level 2, Data Analysis and GUI Visualization' is curated with a focus on illuminating the path to proficiency in Python and empowering you to leverage its potential for real-world applications. This will be an executive Python training program of 15 hours, scheduled over 22nd April - 26th April [01:00 PM to 04:00 PM]. The medium of instruction will be in English and comprises 11 modules. Hands-on sessions are planned for effective learning and practice of the modules to implement Python and its workflows in general examples of city projects.
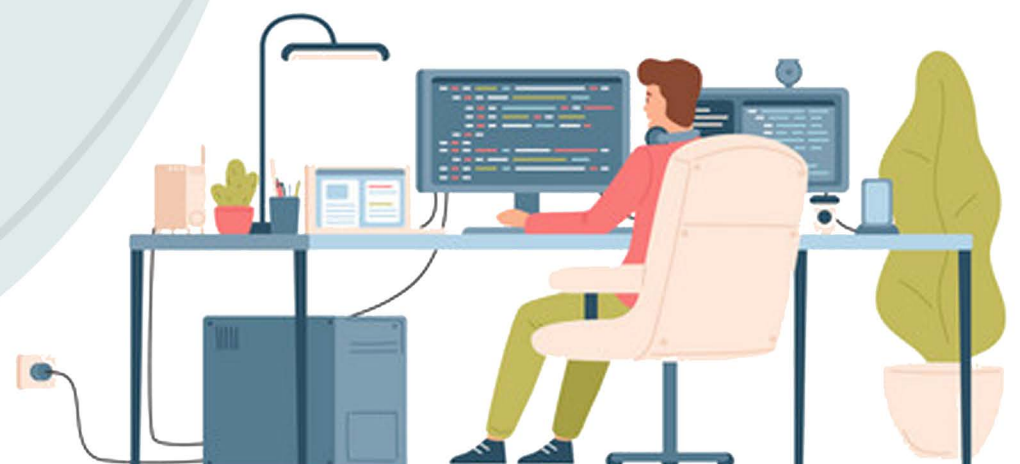
KEY TAKEAWAYS:

• Students and professionals from any field will be able to get a head start on learning the fundamentals and basics of data analysis and GUI visualization using Python programming.
• The workshop provides ideas on how to read, format, normalize, create, and analyze data, and GUI visualizes the data using Python programming.

PROSPECTIVE PARTICIPANTS:

• Students, Faculty, Early-carer researchers, and CoA-registered Professionals from any domain.

PRE-REQUISITES:

• All the participants should have their own laptop/ computer system with good internet connectivity.
• participants from Level 1 or participants with prior basic knowledge of Python programming are required, as this program is for beginners.

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SCHEDULE:

Day of Program	Date & Day	Content	Module Details
1	22/4/24	Basics	Module 1: Introduction and Google collab
			Module 2: Data type | Variable
			List | Dictionaries
			Module 3: Functions
			Consitional statements | Loops
			Hands on session & Class exercise
2	23/4/24	Data Analysis	Module 4: Introduction data analysis using python
			Module 5: Introduction to panda library
			Create and show dataframe
			Operation in dataframe
			Basics attributes, function and methods
			Hands on session & Class exercise
3	24/4/24	Data Analysis	Module 6: Introduction to panda library
			Create and show dataframe
			Module 7: Data visualization using pandas
			Lineplot | Barplot | PieChart | Save export plot
			Hands on session & Class exercise
4	25/4/24	Data Visualization	Module 8: Setup Basic GUI Application
			Module 9: Buttons and Events
			Use in-built GUI library
			Menubar, shortcuts, trigger
			Hands on session & Class exercise
5	26/4/24	Data Visualization	Module 10: Images and Qpixmap
			QMessageBox and Popup Windows
			Menubar, shortcuts, trigger
			Hands on session & Class exercise
			Module 11: Combo boxes with exanples
			Group Boxes and Frames
			Group Boxes and Frames

Payment Link: https://eazypay.icicibank.com/eazypayLink?P1=KOOkQYjNFb8LZHkyuUDx6Q==

Registration Link: https://forms.gle/rj9m3unSFXfmVV49A