







# **Basics of Python Programming**

11<sup>th</sup>- 15<sup>th</sup> February, 2025

2 PM - 5 PM

Platform: Google Meet



### **Who can Participate**

Students, Faculty, Data Analysts, Scientists, Freelancers (Irrespective of their specialization)

#### **Training Objectives**

**Day-1** Python installation & basics (Variables, data types, statements)

Day-2 Lists, dictionaries, external files, and libraries

Day-3 Numpy, Pandas

Day-4 Numpy, Pandas ,Data Visualization with matplotlib

**Day-5** Data Visualization with seaborn

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**Participation Fee - ₹ 1000** 

Last date to register

07-02-2025





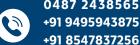
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### **ABOUT THE ORGANISING TEAM**

#### **CENTRE FOR e-LEARNING (CeL)**

The Centre for e-Learning (CeL) under University Kerala Agricultural established to provide a learning avenue for rural youth and working professionals by way of online courses viz., online certificate courses, Massive Open Online Courses (MOOCs) pertaining to agricultural technology and continuous learning by utilizing the potential and prospects of Communication Information and Technology. The CeL of KAU is hosting an agricultural information technology portal (http:// celkau.in/) which is useful for farmers, extension workers, students and all stakeholders in agriculture. Apart from these activities the Centre for e-Learning is organizing both paid and free online/offline trainings to scientific and technical professionals within and outside the country.

## PURPOSE OF TRAINING PROGRAMME

Python is renowned for its simplicity, featuring a clear and uncomplicated syntax that facilitates easy learning and comprehension, particularly for beginners. The language's readability and straight forwardness make it accessible to aspiring programmers, enabling them to grasp-

fundamental concepts swiftly. Python's versatility renders it applicable across various domains, making it a preferred industries like language in development, artificial data analysis, intelligence, machine learning, scientific computing, and automation. Python's automation scripting capabilities and benefit multiple professions. Its educational value helps beginners grasp programming fundamentals effectively.

## WHAT YOU LEARN IN THIS COURSE

This basic course on Python provides a comprehensive introduction to the language, covering its simple syntax, readability, and versatility. Students will be able to learn fundamental programming concepts and gain hands-on experience through practical exercises. The course explores Python's applications in and automation. It will analysis students discover its wide range of libraries and frameworks, empowering them to build powerful solutions. The course provides glimpses of Python's potential. This Python basic course is an invaluable starting point for aspiring developers.

#### **Resource Persons**

Dr. Geetha Radhakrishnan

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Ms. Shahana I.L

Asst.Professor (Computer Science) CoA, Padannakkad, KAU **Ms.Dayana David** 

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#### **Organizers**

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