

## REAL WORLD APPLICATIONS OF PYTHON

- Data Science & Data Visualization
- Desktop GUI
- Web Development
- Game Development
- Scientific and Numeric Applications
- Artificial Intelligence & Machine Learning
- Software Development
- Enterprise-level/Business Applications
- Education programs and training courses
- Language Development

## REGISTRATION FORM

Name:  
USN:  
Department:  
Organization:  
Mobile:  
E-mail:

### Declaration by Applicant

The above mentioned information is true to the best of my knowledge and belief. I will attend the Five-day workshop for the entire duration.

Signature of the Applicant

Place:  
Date:

## ORGANIZING COMMITTEE

### CHIEF PATRON

**Sri. S. Jayaram Reddy**  
President, KRJS & Chairman GC, Vemana IT

### PATRON

**Sri. A. R. Shivaram**  
Vice President, KRJS

**Sri. V. Venkatesh Reddy**  
Vice President, KRJS

**Sri. K. N. Krishna Reddy**  
General Secretary, KRJS

**Prof. P. Sadashiva Reddy**  
Joint Secretary, KRJS

**Sri. K. M. Krishna Reddy**  
Joint Secretary, KRJS

**Sri. M. Chandra Reddy**  
Treasurer, KRJS

### CHAIR-PERSON

**Dr. Vijayasimha Reddy B G**  
Principal, KRJS, Vemana IT-Bengaluru.

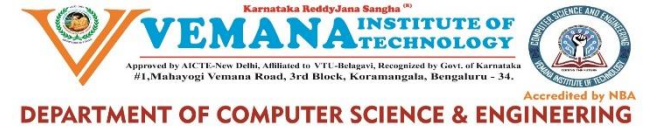
### RESOURCE PERSON

**Mr. M. S. Satyanarayana**  
Team Lead, Canopus GBS Pvt. Ltd., Bengaluru

**Ms. Nayana B P**  
Asst. Prof., AI&DS, NMIT, Bengaluru

**Dr. Kantharaju H C**  
Assoc. Prof., CSE, Vemana IT, Bengaluru

**Ms. Rachitha M V**  
Asst. Prof., CSE, Vemana IT, Bengaluru



## Five Day Hands-On Workshop on

## “Advanced Python for Data Science”



From

**3<sup>rd</sup> to 7<sup>th</sup> January 2023 (Slot 1) &**

**9<sup>th</sup> to 13<sup>th</sup> January 2023 (Slot 2)**



### Correspondence

**Dr. M. Ramakrishna**

Professor & Head  
Computer Science & Engineering

### Organizing Committee

Dr S Ambareesh, Assoc. Prof. : 8123583506  
Mr. Gopalakrishna, Asst. Prof. : 9538721994  
Mr. M. Harish Kumar, Asst. Prof. : 9003380089  
Ms. Amritha Raman, 5 'A', CSE : 9480648541  
Ms. Sai Mahima G S, 5 'B', CSE : 8431620576

## ABOUT THE INSTITUTION

Vemana Institute of Technology (Vemana IT) a premier institute was established under aegis of KRJS during the year 1999 in the heart of the Bengaluru city, with an intention to serve the society by providing the best technical education. The college is approved by AICTE, New Delhi and affiliated to Visvesvaraya Technological University (VTU), Belagavi.

The college has been accredited to **NBA**, accredited branches are **CSE, ISE, ECE** and **ME**. It offers 6 UG programs and 5 VTU approved Research Centers. The college is equipped with state of art laboratories, a well-established digital library and skill labs to help the students to shape their future.

## ABOUT THE CSE DEPARTMENT

The Department of Computer Science & Engineering was established in the year 1999 and since its inception, the department has experienced an exponential Growth and accredited by NBA.

### Vision:

- ✚ To become a leading department engaged in quality education and research in the field of Computer Science and Engineering.

### Mission:

- ✚ To nurture a positive environment with state of art facilities conducive for deep learning and meaningful research and development.
- ✚ To enhance interaction with industry for promoting collaborative research in emerging technologies.
- ✚ To strengthen the learning experiences enabling the students to become ethical professionals with good interpersonal skills, capable of working effectively in multi-disciplinary teams.

## OVERVIEW OF THE WORKSHOP

This workshop aims to introduce the foundational programming skills with basic Python Syntax. Workshop helps to solve real world problems. It helps to learn popular modules, libraries and tools in Python.

Hands-on session will be carried out to familiar with concepts of variables, data types, control flow and loops, functions, data structures and object oriented features. Workshop also helps to learn the usage of exception handling.

## OBJECTIVES

The main objective of Five -day workshop is to introduce the concepts of python programming language designed to emphasize code readability. Learners will gain the working knowledge needed to start programming and debugging using Python in everyday tasks.

## LEARNING OUTCOME

By the end of this workshop, participants will be able:

- ✚ To understand why Python is a useful scripting language for developers?
- ✚ To learn how to design and program Python applications.
- ✚ To learn how to use lists, tuples, and dictionaries in Python programs.
- ✚ To learn how to identify Python object types.
- ✚ To learn how to design object - oriented programs with python classes.
- ✚ To work on Data Science with Python.
- ✚ To develop Real Time Python Applications.

## CONTENTS OF THE WORKSHOP

- ✚ Introduction to Python Programming
- ✚ Sample Basic programs
- ✚ Object Oriented Concepts in Python
- ✚ Introduction to Advance Python
- ✚ Database Connectivity using Python
- ✚ Networking using Python
- ✚ Data Science with Python
- ✚ Real time project demonstration

**Note:** All the topics will be accompanied with Hands-on.

## PARTICIPATION CERTIFICATE

Certificate will be issued to the participants who attend all the sessions of the programme and provide feedback.

**REGISTRATION FEE: Rs. 500** per participant

### REGISTRATION LINK:

<https://forms.gle/mbmBbF26RUaMVpjBA>

## CONTACT US

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