



# Department of Computer Science and Application

## Atal Bihari Vajpayee Vishwavidyalaya

### Bilaspur (C.G.)



# PYTHON PROGRAMMING

## July 26 - August 06, 2021

Jointly  
organised by :



IIT Kanpur



NIT Warangal



MNIT Jaipur



PDPM IITDM Jabalpur



NIT Patna

### Objective & Scope

Python is not only the most popular language for learning programming, but also a preferred language for programming intelligent and data intensive systems. Moreover, it has gradually become a favorite platform for web application development. This course will first cover all the basic features of Python and will gradually move towards more advance parts of Python programming. We will show how Python can be used to solve data science and machine learning problems with industrial perspective.

This course does not assume any prior programming experience or exposure and will be useful to anybody interested to learn programming and solving real-world programming problems.

### Speakers

- \* Dr. Amey Karkare, IIT Kanpur
- \* Mr. A Allahbakhsh, Infosys
- \* Dr. Ashish V Tendulkar, Google Research
- \* Dr. Atul Gupta, IITDM Jabalpur

### Key Features

- \* Live online lectures sessions by subject experts.
- \* Online lab and training sessions.
- \* Course portal and access to course material, tutorials and practice notes, exercises.
- \* Continuous evaluation and feedback on participant's progress during the course.
- \* Follow up sessions and discussion forums on research problems and internships.
- \* Question answers and discussion in both online and offline mode.

### Proctor Coordinator

**Dr. H.S. Hota**

HOD - Department of CSA  
Atal Bihari Vajpayee Vishwavidyalaya  
Bilaspur (C.G.)

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### Course Contents

- \* Introduction & Basics of Python Programming, Basic Data Types, Strings
- \* Decisions Statements, Control Statements, Loops
- \* Functions, Recursion
- \* Lists, Tuples, Dictionaries and Sets
- \* Exception handling, File Handling
- \* Modules and Packages, Popular Packages like NumPy, Pandas, Matplotlib, NLTK
- \* Object-oriented programming in Python
- \* Machine Learning with Python
- \* Industry Perspective of Python and Applications

### Course Fee Details

Academics (student/faculty): 500 INR

Industry People : 1000 INR

Others : 1000 INR

Foreign Participants : 4000 INR

Online payments details:-

Bank Name : INDIAN BANK

Account Name : EICT Academy

A/C No. : 50302042708

IFSC Code : IDIB000M694

Branch : Mehgawan, IITDM Branch  
Jabalpur(M.P.)

### Last Date for registration

**July 20, 2021**

For more details and application from visit : <https://www.iiitdmj.ac.in/ict.iiitdmj.ac.in/Autumn-2021/python-pro.html>

and select: Dr. H.S. Hota, Atal Bihari Vajpayee Vishwavidyalaya, Bilaspur as Proctor Coordinator.

Contact Email: [proffhota@gmail.com](mailto:proffhota@gmail.com)