

Joint Online Two Weeks Certificate Program

Programming in Python

July 26 – August 06, 2021

E&ICT Academy at National Institute of Technology Patna

Jointly Organized by:

NIT Patna IIT Kanpur

IIT Guwahati NIT Warangal

IIT Roorkee MNIT Jaipur

PDPM IITDM Jabalpur

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.. 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 leaning 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, IIITDM 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.

Joint Principal Coordinator

Dr. Prabhat Kumar,
Associate Professor,
CSE Department, NIT Patna
Email: prabhat@nitp.ac.in
Contact: +91 9835011206

Course Contents

- Introduction & Basics of Python
- Programming, Basic Data Types, Strings
- Decision 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

Academic (student/faculty): 500 INR

Industry People/Other : 1000 INR

Foreign Participants: 4000 INR

Online payment details

Bank Name: Indian Bank/Allahabad Bank

Account Name: NIT Patna

Account No.: 50380476798

IFSC Code: IDIB000B810

Last Date for registration: July 20, 2021

Link for registration: <https://forms.gle/qpsocdo7mhdwCmvc6>

For more details visit: <http://www.nitp.ac.in/ict/index.php>

Email: eictapatna@nitp.ac.in

Contact No: 8789095579