

About CBIT(A): Chaitanya Bharathi Institute of Technology (Autonomous) has an ecosystem which caters to Research, Consultancy, Start-Ups, Incubations, Strategic Collaborative Association with Industries and Foreign Universities. The Institute is pioneering the development of an Artificial Heart in Collaboration with SHARE India / Pittsburgh University and Cornell University, USA. CBIT(A) has been standing as a temple of learning for the past 42 years. UGC has granted Autonomous status from the Academic Year 2013-14 onwards. The Faculty and Students have successfully executed Sponsored Research and Consultancy Projects, from various funding Agencies such as DRDO, ISRO, DST, AICTE and UGC. MHRD - Institute Innovation Cell (IIC), MSME - Business Incubation (BI), Hexagon 3D Innovation Lab, Cognizant Innovation Lab and Robotic Process Automation Lab have been established in the Research and Entrepreneurship Department, for the Students and Faculty to pursue their Research Interests.

About MCA Department: Master of Computer Applications Programme was started in the department of CSE in the year 1991 with an intake of 30 and subsequently increased to 60 in the year 2000. The MCA department has been formed full-fledged since September 2008. The Department has well qualified and experienced faculty with One Professor, One Associate Professor and Nine Assistant Professors. The department has good infrastructure facilities with full fledged laboratories. The staff members are deputed to participate in International conferences, Symposia, Workshops and Refresher courses to keep in pace with recent developments in the field of Information Technology.

About Workshop: In this Two-Day National online workshop on “Python Programming”, the topics to be covered are introduction to Python, various data types, conditional statements, functions, Python Libraries, Data handling and Visualization techniques. The takeaways from this workshop will add immense value to the knowledge base for each of the participants.

This workshop will be based upon hands-on approach. **All Faculty, Research Scholars, Students and Industry Persons can participate.**

Objectives of the Workshop:

- ◆ To gain hands-on exposure on Python
- ◆ To create awareness on Python fundamentals.
- ◆ To provide instructor-led hands-on live manipulation of Data.
- ◆ To provide hands-on experience over Data Analytics using Python.
- ◆ To acquaint the participants with Data Visualization skills.

Expected Outcomes: Upon successful completion

- The participants are expected to get a fair amount of fundamental knowledge on Python Programming.
- The participants will be able to understand data handling, analysis and implementation using Python built-in Libraries.

Guidelines for Participants:

Web Links are updated on WhatsApp Group.

E-Certificate will be issued to all the Participants, after successful completion of the Online Workshop.

Participants need to mark their attendance in the google form that will be circulated during the Session.

Use the following Link for **Registration:**

<https://forms.gle/2Hn4ZXDySa46ygb79>



A Two Day National Online Workshop on Python Programming 16–17 July, 2021



**Organized
by
Department of MCA
Chaitanya Bharathi Institute of Technology**
(Autonomous under UGC)
Affiliated to Osmania University
Accredited by NAAC-UGC and NBA-AICTE
ISO 9001:2015 Certified Institution
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**A Two - Day National
Online Workshop
on
Python Programming**

Workshop Schedule:

DAY-1: 16th July, 2021

Inaugural: 10:00 AM to 10:30 AM

10:40 AM to 12:40 PM:

Installation of Python Editors,

Fundamentals of Python,

Variables, Objects and Operators,

Primitive Data types

01:30 PM to 03:30 PM:

Compound Data Types - List, Tuple, Set and Dictionaries

Control Statements, and

Functions

DAY-2: 17th July, 2021

10:00 AM to 12:00 PM:

Introduction to Python Libraries - Numpy and Pandas,

Data Handling using Pandas

01:00 PM to 03:00 PM:

Data Visualization using Matplotlib, Seaborn

Valedictory: 03:15 PM to 04:00 PM