



CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

An Autonomous Institute | Affiliated to Osmania University
Kokapet Village, Gandipet Mandal, Hyderabad, Telangana-500075, www.cbti.ac.in



COMMITTED TO
RESEARCH,
INNOVATION AND
EDUCATION

45
years

A Value Added Course (Online) on

PYTHON PROGRAMMING FOR BEGINNERS

Organized by

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

INTENDED AUDIENCE: All Beginners

PRE-REQUISITES: School level Mathematics

INDUSTRIES APPLICABLE TO:

This course should be of value to any company requiring programming skills.

Last date for Registration: 18-09-2023

Course Duration: 16 weeks

Course Start Date: 11-09-2023

Course End Date: 30-12-2023

Exam Date: 21-01-2024

COURSE OUTLINE:

This dynamic course delves into essential Python concepts, such as Object-Oriented and Functional Programming, File and Exception Handling, Modules, Regular Expressions, GUI and Web Programming, Database Interaction, and Python Open Source Libraries for Data Science/Machine Learning. By mastering these concepts, learners gain the expertise needed to effectively address real-world challenges using Python's versatile features.

COURSE INSTRUCTORS:

Prof. R. Madana Mohana
Prof. K. Radhika
Dr. Kadiyala Ramana
Dr. Pulipati Srilatha
Dr. N. Satyanarayana
Dr. P. Samson Anosh Babu
Smt. T. Satya Kiranmai
Smt. S. Shobarani
Mrs. Sheena Mohammed
Mrs. Swathi Tejah Yalla
Mrs. Kaneez Fatima

Course status: ON GOING

Registration link:

<https://forms.gle/btMPyjgEFhKxJqbh7>

Certification Criteria: Contribution (%)

Internal Assessment: 20%

Online Discussion Forum: 30%

End-Assessment: 50%

COURSE LAYOUT:

Week 01:

Module-1: Introduction to Python
Module-2: Installing Python & Writing First Python Programming

Week 02:

Module-3: Data types in Python
Module-4: Operators in Python

Week 03:

Module-5: Input and Output

Week 04:

Module-6: Control Statements

Week 05:

Module-7: Strings and Characters
Module-8: Functions

Week 06:

Module-9: Lists and Tuples
Module-10: Dictionaries

Week 07:

Module-11: Object Oriented Programming Concepts (OOPs)

Week 08:

Module-12: Functional Programming

Week 09:

Module-13: Files

Week 10:

Module-14: Exceptions

Week 11:

Module-15: Modules and packages

Week 12:

Module-16: Regular Expressions

Week 13:

Module-17: GUI Programming

Week 14:

Module-18: Web Programming

Week 15:

Module-19: Database Programming

Week 16:

Module-20: Python Open Source Libraries for Data Science/Machine Learning