Value Added Course: Python for programming beginners

Introduction: The 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.

The objective of this module are as follows:

 • To emphasize key concepts of Python, including Object-Oriented Programming Concepts, Functional Programming, File Handling, Exception Handling, Modules and Packages, Regular Expressions, GUI Programming, Web Programming, Database Programming, and Python Open Source Libraries for Data Science/Machine Learning.

• To equip learners with the skills to solve real-world problems using Python programming features.

Key Personnel:

Course Convenor: Dr Kadiyala Ramana

   Designation: Associate Professor & HOD

  Teaching Experience: 15 Years

  Research Experience: 6 Years

  Area of Specialization: High-Performance Computing, Image Processing, Artificial Intelligence, Machine Learning

Course Co-ordinator: Dr. R. Madana Mohana

  Designation: Professor & Associate Director - IQAC

  Teaching Experience: 18 Years

  Research Experience: 8 Years

  Area of Specialization: Information Retrieval, Machine Learning, Data Science, Deep Learning, and Computational Intelligence

Instructors:

The course features prominent speakers in Python programming, including:

1. Dr. Kadiyala Ramana
2. Mrs. Yalla Swathi Tejah
3. Prof. K. Radhika
4. Prof. R. Madana Mohana
5. Ms. Kaneez Fatima
6. Dr. N. Satyanarayana

7. Dr. P. SAMSON ANOSH BABU
8. Dr. P. Srilatha
9. Smt. V. Krishna Aravinda

Module-wise Description:

The 20 modules are distributed across 16 weeks and cover a comprehensive range of Python programming topics, including Introduction to Python, Data Types, Operators, Control Statements, Strings, Functions, Lists, Tuples, Dictionaries, OOPs, Functional Programming, Files, Exceptions, Regular Expressions, GUI Programming, Web Programming, Database Programming, and Python Open Source Libraries for Data Science/Machine Learning.

Course Overview:

The course aims to provide a strong foundation for beginners in Python programming. The diverse set of instructors, each an expert in their field, guides participants through a carefully structured curriculum. Completion of this program not only enhances understanding in Python programming but also opens up opportunities in the fields of Artificial Intelligence and Data Science.

Duration/study hours-16 week 20 Module

Course Duration and Participants:

Course Duration: 11-09-2023 to 31-12-2023

Exam Date: 21-01-2024

Total Participants: 2324

Internal Assessments and Discussion Forums held throughout the course.

Assessment and Evaluation:

End-assessment registration: 160

Final exam participants: 129

End exam conducted on 21-01-2024

Total participants qualifying with assessment criteria: 99 completed the course, 29 participated

Foreign students: 20

Participants' Demographics

The course attracted participants from various colleges across the state and country, including students, faculty, and others. Weekly feedback was actively collected from learners.

In conclusion, the "Python Programming for Beginners" course has successfully provided a robust foundation in Python programming to a diverse group of participants, contributing to their skills in Artificial Intelligence and Data Science.

CERTIFICATE OF COMPLETION

This certificate is awarded to

TUMMANAGOTI VIJAYA

for successfully completing online non-credit
value added course authorized and approved
by Chaitanya Bharathi Institute of Technology

PYTHON PROGRAMMING FOR BEGINNERS

with a consolidated score of **94%**

**Internal Assessment: 19/20 || Online Discussion Forum: 30/30 ||
End-Assessment: 45/50**

Total number of candidates participated in this course: **127**

**Sep-Dec 2023
(16 week course)**

Prof. Madana Mohana R
Course Coordinator

Dr. Kadiyala Ramana
HoD, Artificial Intelligence & Data Science

Prof. C. V. Narasimhulu
Principal

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

Hyderabad - 500 075, Telangana, India
www.cbit.ac.in

CERTIFICATE OF COMPLETION

Reg. ID. 23ADV01357

This certificate is awarded to

KOBAMELO BANDA

for successfully completing online non-credit
value added course authorized and approved by
Chaitanya Bharathi Institute of Technology

PYTHON PROGRAMMING FOR BEGINNERS

with a consolidated score of **81%**

**Internal Assessment: 18/20 || Online Discussion Forum: 30/30
|| End-Assessment: 33/50**

Total number of candidates participated in this course: **127**

**Sep-Dec 2023
(16 week course)**

Prof. Madana Mohana R
Course Coordinator

Dr. Kadiyala Ramana
HoD, Artificial Intelligence & Data Science

Prof. C. V. Narasimhulu
Principal

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY
Hyderabad - 500 075, Telangana, India
www.cbit.ac.in

CERTIFICATE OF COMPLETION

Reg. ID. 23ADV02641

This certificate is awarded to

KHAUHELO MOSEHLE

for successfully completing online non-credit
value added course authorized and approved by
Chaitanya Bharathi Institute of Technology

PYTHON PROGRAMMING FOR BEGINNERS

with a consolidated score of **92%**

**Internal Assessment: 18/20 || Online Discussion Forum: 30/30
|| End-Assessment: 44/50**

Total number of candidates participated in this course: **127**

**Sep-Dec 2023
(16 week course)**

Prof. Madana Mohana R
Course Coordinator

Dr. Kadiyala Ramana
HoD, Artificial Intelligence & Data Science

Prof. C. V. Narasimhulu
Principal

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY
Hyderabad - 500 075, Telangana, India
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CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (AUTONOMOUS)

VALEDICTORY CEREMONY

Mentors of the Course Modules

A Value Added Course (Online) on

PYTHON PROGRAMMING FOR BEGINNERS

11th Sep - 30th Dec 2023

19th Feb 2024 at 03:00PM, onwards

VENUE: BLENDED CLASS ROOM (C-212), C-BLOCK, CBIT, HYDERABAD.

Organized by

DEPARTMENT OF ARTIFICIAL INTELLIGENCE & DATA SCIENCE

CERTIFICATE OF APPRECIATION

This certificate is awarded to

Dr. P. Srilatha Associate Professor, has made a significant contribution to the success of the *16-week Value Added Course* on **Python Programming for Beginners** particularly in the creation and delivery of Module titled **"Dictionaries "**.

Through their enriched learning experience for participants contributing to the overall success of the course.

Sep-Dec 2023
(16 week course)

Prof. Madana Mohana R	**Dr. Kadiyala Ramana**	**Prof. C. V. Narasimhulu**
Course Coordinator	HoD, Artificial Intelligence & Data Science	Principal

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

Hyderabad - 500 075, Telangana, India

www.cbit.ac.in

CERTIFICATE OF APPRECIATION

This certificate is
awarded to

Prof. R. Madana Mohana Professor, has made a significant contribution to the success of the 16-week Value Added Course on **Python Programming for Beginners** particularly in the creation and delivery of **8-Modules** titled "**Installing Python & Writing First Python Programming**, **Input & Output** , **Control Statements, Modules & packages, GUI Programming, Web Programming, Database Programming, Python Open Source Libraries for Data Science/Machine Learning (numpy & matplotlib)**".

Through their enriched learning experience for participants contributing to the overall success of the course.

Sep-Dec 2023
(16 week course)

Prof. Madana Mohana R	**Dr. Kadiyala Ramana**	**Prof. C. V. Narasimhulu**
Course Coordinator	HoD, Artificial Intelligence & Data Science	Principal

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