DEPARTMENTOFCOMPUTERSCIENCEANDENGINEERING

UIET,CHHATRAPATISHAHUJIMAHARAJUNIVERSITY,KANPUR

Offers

Value Added Course

on Object Oriented Programming Concepts using Python

Starts from 14-28 December,2020

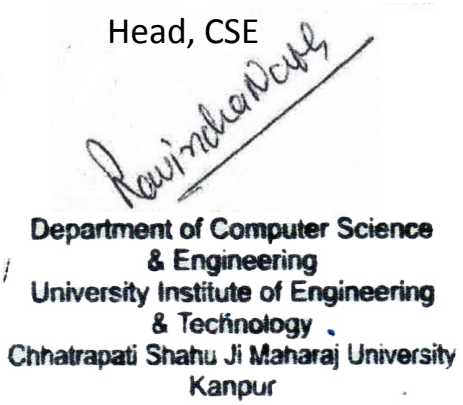
Lecture No.	Topics to be covered	Date
1-2	Introduction to basics of python and its application. Understand the intricacies of Data Science techniques and their applications to real-world problems	14/12/2020, 15/12/2020
3-4	Installing Python and Setting up Virtual Environment .Python Libraries and its application	16/12/2020, 17/12/2020
5-6	Applications in data science,Oops concepts and its implementation	18/12/2020, 19/12/2020
7-8	File Creation and accessing, File Input Output,Basic types in python	20/12/2020, 21/12/2020
9-10	List and string processing in Python Introduction to flow control	22/12/2020, 23/12/2020
11-12	Concept of Nesting, Looping Techniques, Conditions and its representation	24/12/2020, 25/12/2020
13-14	Various issues related to data, Applications of LoopsNesting-Representation of Nested statements	26/12/2020, 27/12/2020
15	Introduction to Data Structure, Application of built-in and user defined Data Structure	28/12/2020

Notice

Department of Computer Science & Engineering, UIET is organizing a Value Added Course on **OOPS CONCEPTS USING PYTHON** from 14/12/2020 to 28/12/2020 total contact hours will be 30.

Students interested in attending the Value added course may register.

Dr. Ravindra Nath
Head, CSE



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About The Course

The course on Python is designed to provide learners with a comprehensive understanding of the Python programming language. Python is a versatile and widely-used programming language known for its simplicity, readability, and vast range of applications. This course aims to equip students with the fundamental knowledge and skills required to write efficient and functional Python code.

Throughout the course, students will be introduced to the basic syntax and data types of Python, including variables, operators, loops, and conditionals. They will learn how to manipulate strings, lists, tuples, and dictionaries, as well as work with file I/O operations. The course will cover important concepts such as functions, modules, and classes, enabling students to write modular and reusable code.

By the end of the course, students should have a solid understanding of Python and be capable of developing basic to intermediate level programs. Whether they are interested in web development, data analysis, scientific computing, or automation, Python provides a strong foundation for various domains.

Overall, the course on Python offers a comprehensive introduction to the language and empowers learners to utilize Python effectively for a wide range of applications.

Course Outcome

1. Understand the fundamentals: Students will grasp the basic concepts of Python, including variables, data types, control structures, functions, and object-oriented programming. They will have a firm foundation in the language's syntax and principles.

2. Write efficient code: Students will develop the ability to write clean, readable, and efficient Python code. They will understand best practices for structuring programs, organizing code into functions and classes, and implementing algorithms effectively.

3. Solve problems: Students will learn how to approach and solve problems using Python. They will acquire problem-solving skills and learn different techniques and strategies for breaking down complex tasks into manageable steps and implementing solutions.

4. Work with data: Students will gain proficiency in working with different data structures in Python, such as lists, dictionaries, tuples, and sets. They will learn, how to manipulate and process data.

5. Develop applications: Students will be able to create practical applications using Python. They will learn how to leverage Python's libraries and frameworks to develop web applications, scientific programs, data analysis tools, automation scripts, and more.

VALUE ADDED COURSE ON-OOPS CONCEPTS USING PYTHON

OFFERED BY:
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING,U.I.E.T.

Course Hours: (30HRS)
Time: 11:00AM-01:00 PM on specified dates

Introduction
- ·Introduction to python
- ·Algorithm and Programming Concepts
- ·Applications in data science

Basics of Python
- ·Types of IDE and various distinctive features
- ·Installing Python and Setting up VirtualEnvironment for hands on practice
- ·Python Libraries and its Application
- ·Python oops concepts and Representation

File Handling
- ·File Creation and accessing
- ·File Input Output

Data Representation
- · Data set and its representation
- ·Basic Types in Python
- ·List and string processing in Python
- ·Various issues related to data

Control Flow Tools and Data structure
- ·Introduction to flow control
- ·Concept of Nesting
- ·Looping Techniques
- ·Introduction to Data Structure
- ·Application of built-in and user defined Data Structure

Course Plan:

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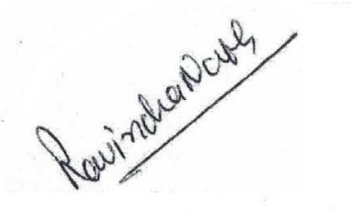
List of registered students

Sl. No.	Roll No.	Name
1	CSJMA16001390181	ABHISHEK YADAV
2	CSJMA16001390182	ADITYA SAHU
3	CSJMA16001390183	AJEET CHAUHAN
4	CSJMA16001390184	AKANSHA SIDDHARTH
5	CSJMA16001390185	AKHILESH KUMAR YADAV
6	CSJMA16001390187	ANAMIKA TRIPATHI
7	CSJMA16001390189	ANAS PASWAN
8	CSJMA16001390191	ANJALI CHAUHAN
9	CSJMA16001390192	ANSHUL YADAV
10	CSJMA16001390193	ANURAG PAL
11	CSJMA16001390194	BHAWANA
12	CSJMA16001390195	DHEERESH KUMAR
13	CSJMA16001390196	DISHA ANAND SAGAR
14	CSJMA16001390197	GAURI TIWARI
15	CSJMA16001390198	HARDIK SAXENA
16	CSJMA16001390199	HIMANSHU
17	CSJMA16001390201	INSHA AEJAZ
18	CSJMA16001390202	KAULESH KUMAR
19	CSJMA16001390204	LOV SAXENA
20	CSJMA16001390205	MOHD SHAN
21	CSJMA16001390206	MOHD UMAIR NAIM
22	CSJMA16001390207	NIKITA DIKSHIT
23	CSJMA16001390208	NILU DUBEY
24	CSJMA16001390209	PRIYANKA
25	CSJMA16001390210	PUSHKAR DIWAKAR
26	CSJMA16001390211	RAJ YADAV
27	CSJMA16001390212	RAJLAXMI SINGH PATEL
28	CSJMA16001390213	RAUNAK KATIYAR
29	CSJMA16001390214	RAVIKANT
30	CSJMA16001390215	ROHIT NISHAD
31	CSJMA16001390216	SAKSHI MISHRA
32	CSJMA16001390217	SANJEEV KUMAR
33	CSJMA16001390218	SATYAM SRIVASTAVA
34	CSJMA16001390219	SHASHANK SHEKHAR MISHRA
35	CSJMA16001390220	SHIVAM YADAV
36	CSJMA16001390221	SIDDHARTH SINGH
37	CSJMA16001390222	SOMYA MISHRA
38	CSJMA16001390223	SUBRAT MISHRA
39	CSJMA16001390224	VIVEK CHAUDHARY

Department of Computer Science
& Engineering
University Institute of Engineering
& Technology
Chhatrapati Shahu Ji Maharaj University
Kanpur

List of registered students

Sl. No.	Roll No.	Name
40	CSJMA16001390226	FAZIL HUSAIN
41	CSJMA16001390227	ABID FAZAL ANSARI
42	CSJMA16001390228	CHANDAN GUPTA
43	CSJMA16001390231	MOHD AFZAL
44	CSJMA16001390232	SHREYA SRIVATAVA
45	CSJMA16001390234	KANAK PRABHA
46	CSJMA16001390235	ANKITA RAJ
47	CSJMA16001390236	ESHITA SINGH
48	CSJMA16001390237	MARKANDAY SRIVASTAVA
49	CSJMA16001390238	PRASHANT KATIYAR
50	CSJMA16001390239	VIVEK SHAKYA



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AttendanceVALUE ADDED COURSE ON- OOPS CONCEPTS USING PYTHON,14/12/2020 To 28/12/2020

Sl. No.	Roll No.	Name	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	ATT Percentage
1	CSJMA16001390181	ABHISHEK YADAV	P	P	P	P	P	P	P	P	A	A	A	P	P	A	A	66.67
2	CSJMA16001390182	ADITYA SAHU	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	93.33
3	CSJMA16001390183	AJEET CHAUHAN	P	P	P	P	P	P	P	A	P	A	P	P	A	P	P	80.00
4	CSJMA16001390184	AKANSHA SIDDHARTH	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	86.67
5	CSJMA16001390185	AKHILESH KUMAR YADAV	P	A	P	P	P	P	P	P	P	P	P	A	P	P	P	86.67
6	CSJMA16001390187	ANAMIKA TRIPATHI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	100.00
7	CSJMA16001390189	ANAS PASWAN	P	P	P	A	A	A	P	P	P	A	A	P	P	P	P	66.67
8	CSJMA16001390191	ANJALI CHAUHAN	P	P	P	P	A	P	P	P	P	P	P	P	A	A	P	80.00
9	CSJMA16001390192	ANSHUL YADAV	P	P	P	A	P	P	P	P	P	P	P	P	A	P	P	86.67
10	CSJMA16001390193	ANURAG PAL	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	93.33
11	CSJMA16001390194	BHAWANA	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	93.33
12	CSJMA16001390195	DHEERESH KUMAR	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	86.67
13	CSJMA16001390196	DISHA ANAND SAGAR	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	93.33
14	CSJMA16001390197	GAURI TIWARI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	100.00
15	CSJMA16001390198	HARDIK SAXENA	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	93.33
16	CSJMA16001390199	HIMANSHU	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	93.33
17	CSJMA16001390201	INSHA AEJAZ	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	93.33
18	CSJMA16001390202	KAULESH KUMAR	P	P	P	A	P	P	P	P	P	A	P	P	A	P	P	80.00
19	CSJMA16001390204	LOV SAXENA	P	P	P	P	P	P	P	A	P	P	A	P	P	P	A	80.00
20	CSJMA16001390205	MOHD SHAN	A	P	P	P	P	P	A	P	P	P	P	P	P	P	A	80.00
21	CSJMA16001390206	MOHD UMAIR NAIM	A	A	P	P	P	P	P	P	P	P	P	P	A	P	P	80.00
22	CSJMA16001390207	NIKITA DIKSHIT	P	P	A	P	P	P	P	P	P	P	P	P	P	A	P	86.67
23	CSJMA16001390208	NILU DUBEY	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	100.00
24	CSJMA16001390209	PRIYANKA	P	P	P	P	P	P	A	P	A	P	P	P	P	P	P	86.67
25	CSJMA16001390210	PUSHKAR DIWAKAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	100.00
26	CSJMA16001390211	RAJ YADAV	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	100.00
27	CSJMA16001390212	RAJLAXMI SINGH PATEL	P	P	P	P	P	P	P	A	P	P	P	P	A	P	P	86.67
28	CSJMA16001390213	RAUNAK KATIYAR	P	P	P	P	P	P	A	P	A	P	P	A	P	P	P	80.00
29	CSJMA16001390214	RAVIKANT	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	86.67
30	CSJMA16001390215	ROHIT NISHAD	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	100.00
31	CSJMA16001390216	SAKSHI MISHRA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	100.00
32	CSJMA16001390217	SANJEEV KUMAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	100.00
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34	CSJMA16001390219	SHASHANK SHEKHAR MISHRA	P	P	A	P	A	P	P	A	P	P	P	P	P	P	P	80.00
35	CSJMA16001390220	SHIVAM YADAV	P	A	A	P	P	P	P	P	P	P	A	P	P	P	P	80.00
36	CSJMA16001390221	SIDDHARTH SINGH	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	100.00
37	CSJMA16001390222	SOMYA MISHRA	P	P	P	P	P	A	A	A	A	P	A	P	A	P	P	60.00
38	CSJMA16001390223	SUBRAT MISHRA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	100.00
39	CSJMA16001390224	VIVEK CHAUDHARY	P	P	A	P	P	P	P	P	A	P	P	A	P	P	P	80.00

Ravindra Dubey

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49	CSJMA16001390238	PRASHANT KATIYAR	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	93.33
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Ravindra Nath

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Kanpur

Department of Computer Science and Engineering

University Institute of Engineering and Technology

CSJMU University, Kanpur

Certificate

This is to certify that Mr./Ms. ABHISHEK YADAV (CSJMA16001390181)
has successfully completed Value Added Course on **"OOPS Concept Using Python"**
from 14 December – 28 December 2020. This course was of 30 hours.

Dr. Alok Kumar
Course, Coordinator

Dr. Deepak Kumar Verma
Course, Coordinator

Department of Computer Science and Engineering

University Institute of Engineering and Technology

CSJMU University, Kanpur

Certificate

This is to certify that Mr./Ms. ADITYA SAHU (CSJMA16001390182)
has successfully completed Value Added Course on **"OOPS Concept Using Python"**
from 14 December – 28 December 2020. This course was of 30 hours.

Dr. Alok Kumar
Course, Coordinator

Dr. Deepak Kumar Verma
Course, Coordinator

Department of Computer Science and Engineering

University Institute of Engineering and Technology

CSJMU University, Kanpur

Certificate

This is to certify that Mr./Ms. AJEET CHAUHAN (CSJMA16001390183)
has successfully completed Value Added Course on **"OOPS Concept Using Python"**
from 14 December – 28 December 2020. This course was of 30 hours.

Dr. Alok Kumar
Course, Coordinator

Dr. Deepak Kumar Verma
Course, Coordinator

Department of Computer Science and Engineering

University Institute of Engineering and Technology

CSJMU University, Kanpur

Certificate

This is to certify that Mr./Ms. AKANSHA SIDDHARTH (CSJMA16001390184) has successfully completed Value Added Course on **"OOPS Concept Using Python"** from 14 December – 28 December 2020. This course was of 30 hours.

Dr. Alok Kumar
Course, Coordinator

Dr. Deepak Kumar Verma
Course, Coordinator

Department of Computer Science and Engineering

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This is to certify that Mr./Ms. AKHILESH KUMAR YADAV (CSJMA16001390185) has successfully completed Value Added Course on **"OOPS Concept Using Python"** from 14 December – 28 December 2020. This course was of 30 hours.

Dr. Alok Kumar
Course, Coordinator

Dr. Deepak Kumar Verma
Course, Coordinator

Department of Computer Science and Engineering

University Institute of Engineering and Technology

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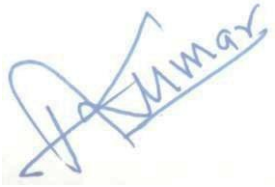
Certificate

This is to certify that Mr./Ms. ANAMIKA TRIPATHI (CSJMA16001390187) has successfully completed Value Added Course on **"OOPS Concept Using Python"** from 14 December – 28 December 2020. This course was of 30 hours.



Dr. Alok Kumar
Course, Coordinator

Dr. Deepak Kumar Verma
Course, Coordinator

Department of Computer Science and Engineering

University Institute of Engineering and Technology

CSJMU University, Kanpur

Certificate

This is to certify that Mr./Ms. ANAS PASWAN (CSJMA16001390189)
has successfully completed Value Added Course on **"OOPS Concept Using Python"**
from 14 December – 28 December 2020. This course was of 30 hours.

Dr. Alok Kumar
Course, Coordinator

Dr. Deepak Kumar Verma
Course, Coordinator