

ADD-ON COURSE (2020-21)

MEGA PYTHON TRAINING PROGRAM

Course Fee: Rs 2000/-

Last date: January 22, 2021

Registration Link

[https://forms.gle/GU1tR
e3msUpPxYfSA](https://forms.gle/GU1tRe3msUpPxYfSA)

Program Coordinators

Dr. Madhu Sharma

Dr. Vaishali Singh

Important Details

Date: January 1, 2021 Onwards

Learning Mode: Online



ST. XAVIER'S COLLEGE, JAIPUR

Hathroi Fort Road, Jaipur - 302001, Rajasthan
Approved under Section 90 & 120B of the UGC Act, 1956

Ref. No. SXC/ACAD/DCS/CERTI-COURSE/2021/ 3461

Date: 19/01/2021

Notice

The Department of Computer Science is organising a 45 days Training and Certificate Program on "Mega Python Training Program-From Beginner to Professional: Build 5 Real World Applications" with Road Ahead Technologies, Jaipur. The objective of this certificate program is to make an effort to bridge the gap between education and industry. This course will provide knowledge of working with python language in the real world and would make learners capable to create complex programs. This is a step towards learning the easiest programming language with ease.

Python is an open source simple and easy to learn high-level programming language for computer enthusiasts willing to dive deeper into the world of systems. Python is that even simplifies complex code. No prior knowledge in programming is required to learn all this. Interested students can give their names and fees to the Program Coordinators by 22 January, 2021.

*Program will commencement from 25-1-2021

*Open for the students of all streams

*Compulsory for the students of BCA Part II, Department of Computer Science

Course Fee: Rs 2000/-

- Learning Mode: Online

Last date to fill the registration form and to deposit fee: 22 January 2021


- Registration form Link: <https://forms.gle/GU1tRe3msUpPxYfSA>

- Paytm Number for Fee Payment: 07737766066

*Only UPI Payment method allowed

- Kindly provide the remark: "Certificate Program_Name_Class"

Program Coordinators: Dr Madhu Sharma and Dr Vaishali Singh


Principal

Ref. No. SXC/ACAD/DCS/CERTI-COURSE/2021/ 3462-3466

Copy forwarded to the following for information and necessary action.

- 1.-2. Vice-principals, St Xavier's College, Jaipur
3. Head, Dept. of Computer Science, St Xavier's College, Jaipur
4. Website Coordinator, St Xavier's College, Jaipur
5. Office, St Xavier's College, Jaipur

Training proposal



Objective of the On Campus Python Training:

In today's competitive landscape, it has become more important than ever to obtain recognition for your expertise in Python to be able to demonstrate your skills. These days, potential employers don't just look at candidates' portfolios. They also look for different ways to validate the knowledge of candidates.

When it comes to recruiting Python programmers, recruiters frequently look for Python certifications to shortlist candidates who'll receive a further chance to demonstrate their skills at the next interview rounds. Not having a Python certification will certainly lower your chances of getting through the first round of the selection process. And this is probably the biggest benefit of obtaining a Python certification.

Duration:

Python certification: 45 hrs

Commercials:

4000/- per student (International Exam fee extra), minimum batch size 25 students

Deliverables:

- Training by 15 years experienced faculty
- Complete study material (E-Book)
- All programs & code discussed in class via email
- 2 major academic projects
- Regular Assignments to candidates
- Test series for regular Candidates evolution
- Complete practical based training
- Certificate to every candidate at the end of the training

International certification: Python developer

- We are the authorized I.T. test centre of two international companies i.e. Pearson VUE & Star Certification, Which authorize us to conduct more than 100 IT exams anywhere in the country.

After completion of this training we will take certification exam oriented extra classes & we can assure that every candidate will be internationally Android application development certified in the first attempt and it will increase their chances to crack the interview drastically.

Python course contents

1: Introduction To Python

Installation and Working with Python

Understanding Python variables

Python basic Operators

Understanding python blocks

2: Python Data Types

Declaring and using Numeric data types: int, float, complex

Using string data type and string operations

Defining list and list slicing

Use of Tuple data type

3: Python Program Flow Control

Conditional blocks using if, else and elif

Simple for loops in python

For loop using ranges, string, list and dictionaries

Use of while loops in python

Loop manipulation using pass, continue, break and else

Programming using Python conditional and loops block

4: Python Functions, Modules And Packages

Organizing python codes using functions

Organizing python projects into modules

Importing own module as well as external modules

Understanding Packages

Powerful Lamda function in python

Programming using functions, modules and external packages

5: Python String, List And Dictionary Manipulations

Building blocks of python programs

Understanding string in build methods

List manipulation using in build methods

Dictionary manipulation

Programming using string, list and dictionary in build functions

6: Python File Operation

Reading config files in python

Writing log files in python

Understanding read functions, read(), readlines() and readlines()

Understanding write functions, write() and writelines()

Manipulating file pointer using seek

Programming using file operations

7: Python Object Oriented Programming - Oops

Concept of class, object and instances

Constructor, class attributes and destructors

Real time use of class in live projects

Inheritance, overloading and overloading operators

Adding and retrieving dynamic attributes of classes

Programming using Oops support

8: Python Regular Expression

Powerful pattern matching and searching

Power of pattern searching using regex in python

Real time parsing of networking or system data using regex

Password, email, url validation using regular expression

Pattern finding programs using regular expression

9: Python Exception Handling

Avoiding code break using exception handling

Safe guarding file operation using exception handling

Handling and helping developer with error code

Programming using Exception handling

10: Python Database Interaction

SQL Database connection using python

Creating and searching tables

Reading and storing config information on database

Programming using database connections

11: Python Multithreading

Understanding threads

Forking threads

Synchronizing the threads

Programming using multithreading

12: Contacting User Through Emails Using Python

Installing smtp python module

Sending email

Reading from file and sending emails to all users addressing them directly for marketing

**Mega Python Training Program-From Beginner to Professional:
Build 5 Real World Applications,**

45 DAYS PYTHON CERTIFICATE PROGRAM

SESSION 2020-21

Program Commenced on 25-1-2021

S.No.	Full Name (For Certificate Purpose)	Class
1.	Aniket Bhatia	BCA -II
2.	Jovina Jacinta Castelino	BCA II
3.	Abhishek Saraf	BCA-II
4.	Bhavesh Jindal	BCA -II
5.	Harsh	BCA II
6.	Nilay Shrivastava	BCA-II
7.	Jatin Parwani	BCA-II
8.	Aditya Singhal	BCA II
9.	Justin thomas	BCA-1
10.	Devesh Pareek	BCA -II
11.	Sameep Rungta	BCA-1
12.	Nijo Ninan	BCA 1
13.	Kshitij Roop Rai	BCA 1
14.	Pradosh Sharma	BCA-1
15.	Vinit Dadheech	BCA-1
16.	Anmol Khandelwal	BCA-1

ABOUT ME

I am an I.T engineer as well as java/python certified programmer. I have total experience of 15 years in I.T. Training and software development. I teach Java, Android, Python, Machine Learning, DataScience & Big Data Technologies.

WORK EXPERIENCE

2004 - till date

Director

Road Ahead Technologies india private limited

I am into IT training since 2004 and in the past 15 years more than 10k students from our institution have already passed out, and working across the globe

- 15 years experience in java /advance java training
- 7 Years experience in Android Training
- 4 Years Experience in Python & Related Technologies

Abhishek Jain

Trainer & consultant

CONTACTS

A-13, Vikas

marg, Mansinghpura, Tonk Road

9351467408

Abhishek.roadaheadtech@gmail.com

www.ratindia.com

EDUCATION

B.E. (I.T)

University of Rajasthan

SKILLS

Core Java

Advance Java

Android

Python

Machine Learning

DataScience

Django

BigData

REFERENCES

Dr. Madhu Sharma

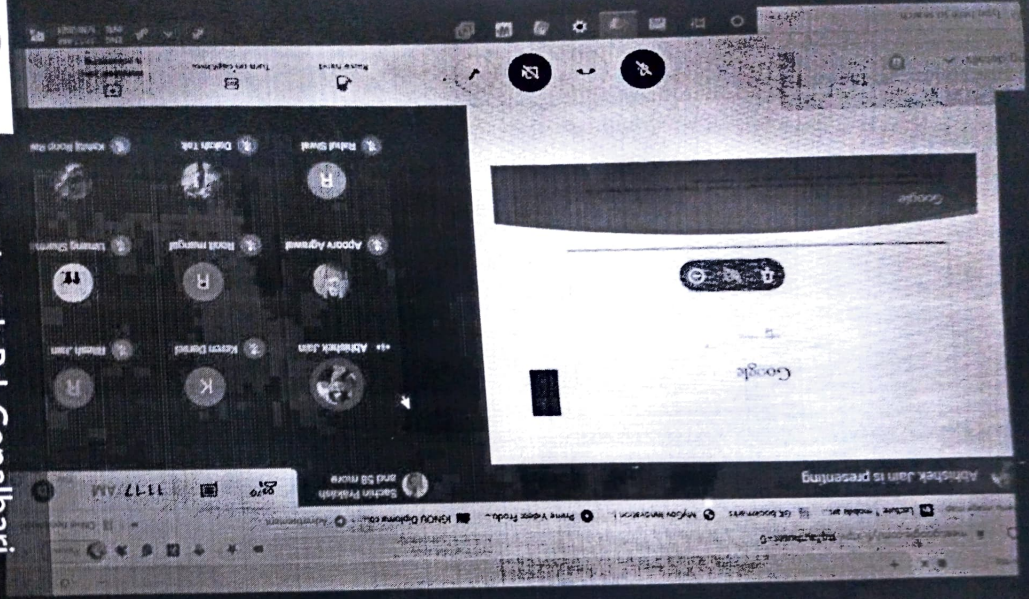
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Jaipur, Rajasthan 302001,
India

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A Report

on

**Certificate Program on “Mega Python Training Program-From
Beginner to Professional: Build 5 Real World Applications” 2020-21**

**Organized by
Department of Computer Science in Joint Collaboration with Road Ahead
Technologies India Ltd.**

Title : Certificate Program on “Mega Python Training Program-From
Beginner to Professional: Build 5 Real World Applications”
Duration : 45 Days (Commenced on: 25 January, 2021)
Coordinators: Dr Madhu Sharma, Dr Vaishali Singh
Participants : UG Students of Computer Science Department,
St. Xavier’s College, Jaipur

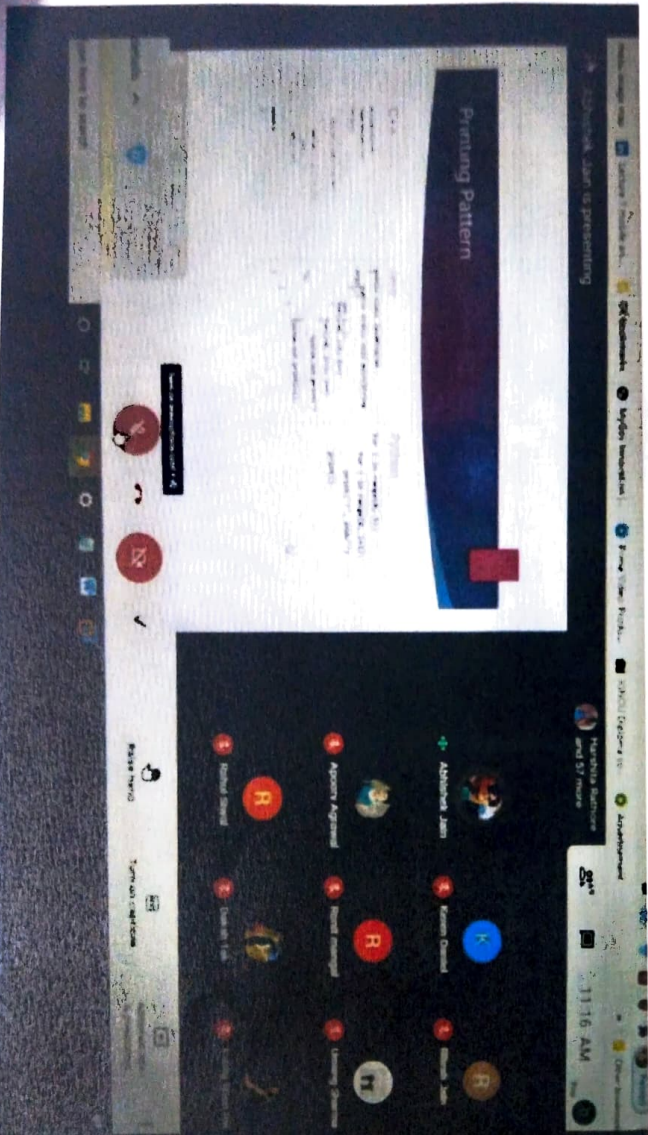
A forty five days Certificate Program on “Mega Python Training Program-From
Beginner to Professional: Build 5 Real World Applications” has been conducted by
the Computer Science Department of St. Xavier’s College, Jaipur in joint
collaboration with the “Road Ahead Technologies India Ltd.”, a reputed Jaipur
based, Corporate Training Provider organization. The program has been offered for
the UG students of the Department.

Python is an open source simple and easy to learn high-level programming
language for computer enthusiasts willing to dive deeper into the world of systems.
Python is that even simplifies complex code. No prior knowledge in programming
is required to learn all this. The objective of this certificate program is to make an
effort to bridge the gap between education and industry.

The Program began on 25 January 2021, with the formal welcome of the Trainer,
Mr. Abhishek Jain. The Program Coordinator, Trainer of the Program, introduced
the participants about the current and future scope of the IT Industry in relevance
with the Python Programming language and its career benefits. He also explained
that, how the program is deeply connected with the current technical world and
working in tune with other key technologies like machine learning and big data.

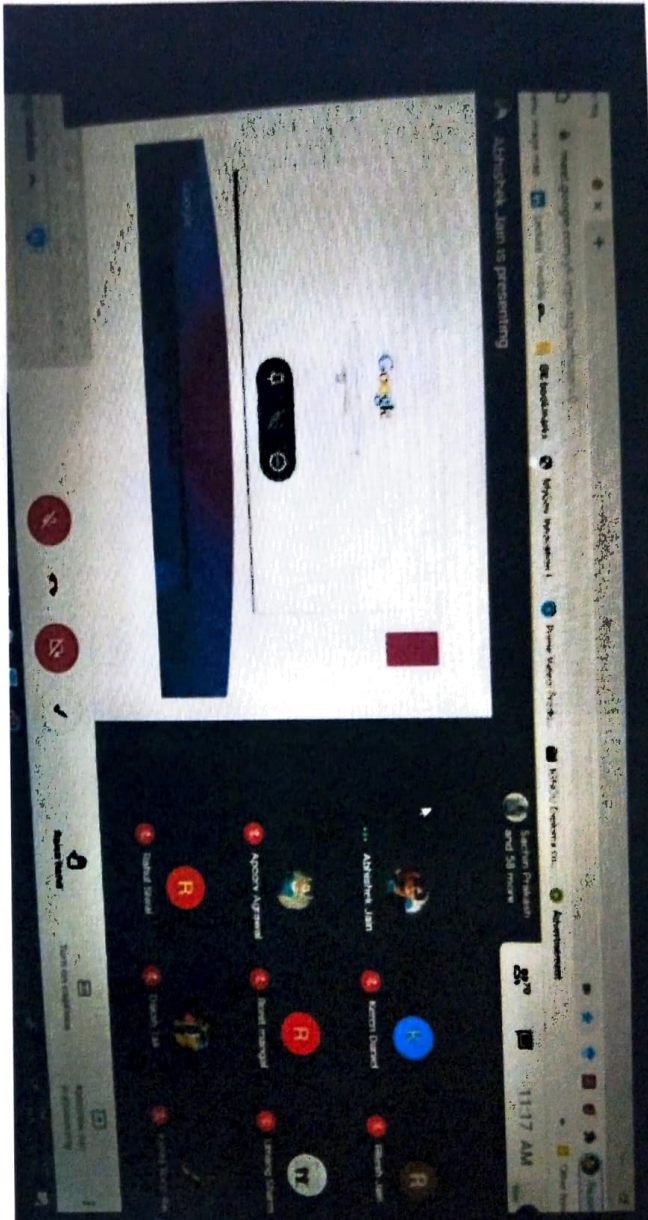
In this Certificate Program of forty five days duration, participants learnt the basics
of Python language, including the flow controls, packages, file handling and
operations, exception handling, database interaction, emailing applications etc. The

students got the training to develop few of the real life projects also. This course has provided knowledge of working with python language in the real world and has made learners capable to create complex programs. This is a step towards learning the easiest programming language with ease. The Program has opened a wider career opportunities to the Learners.



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