TECNIA INSTITUTE OF ADVANCED STUDIES
NAAC ACCREDITED GRADE "A" INSTITUTE
Approved by AICTE, Ministry of HRD, Govt. of India, Affiliated to G.G.S.I.P. University
& Recognized Under Sec. 2(f) of UGC Act 1956.

Event: One Day Webinar
Topic: Application development uses PYTHON
Resource Person: Mr. Asif Iqbal(Co-founder of PIRO Technologies Pvt. Ltd.)
                        Mr. Vikas Kalra(Director of CETPA Group of Companies)
                        Mr. Mainak Uprety(Marketing Consultant associated with APTRON Pvt. Ltd.)
                        Mr. Atma Kumar Rai(Corporate Trainer associated with CETPA Infotech Pvt. Ltd.
Schedule: 10.30 am -3.00 pm
Date: 12th March 2021
Day: Friday
Venue: Online- Microsoft Teams
Faculty In charge: Dr. Deepak Sonker, HOD (Computer Application Department)
No of Students: 89

Learning Objectives:
To learn about:-
- Python and its benefits
- Rules of AI
- Uses of Python
- Applications in Python
- Data Analysis using Python
- Machine learning

Report of Seminar on Pythons:

Tecnia Institute of Advanced Studies organized a seminar on 12th March ,2021 by Mr. Asif Iqbal, Mr. Vikas Klara, Mr. Mainak Uprety, Mr. Atma Kumar Rai for the students of BCA 1st, BCA 4th and MCA 5th Sem. The workshop was divided into four modules and sub modules which are following:

1. Introduction to Python

2. Rules of AI

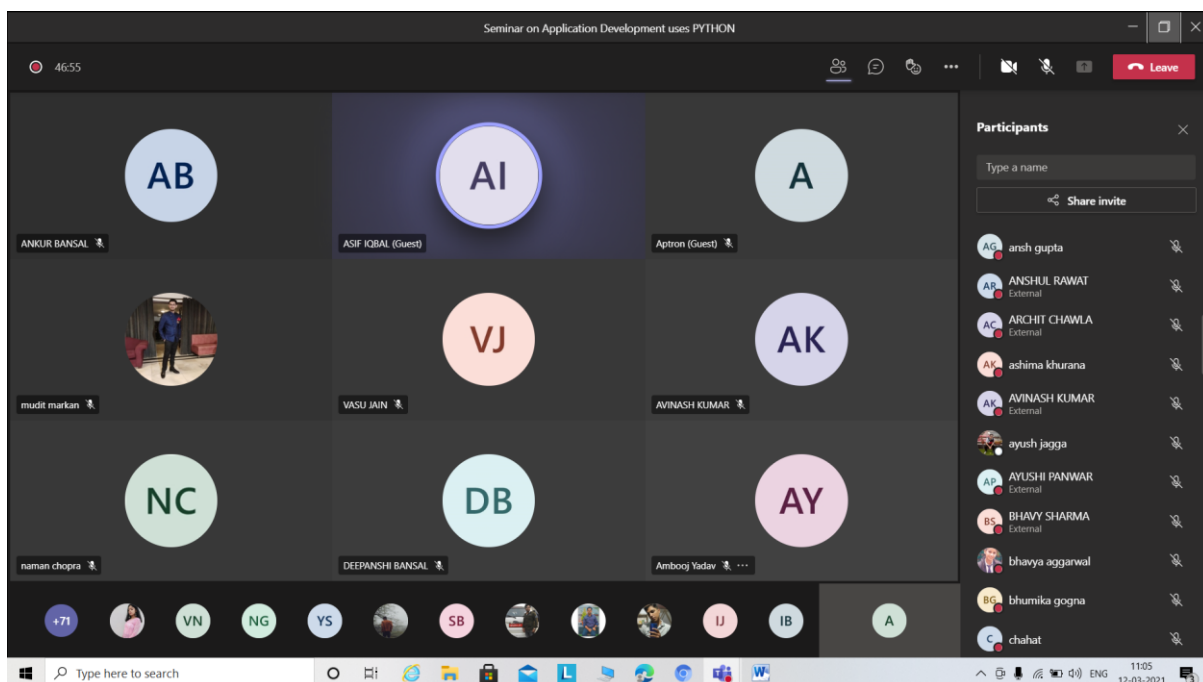3. Uses and applications in Python

4. Machine learning

The seminar started with a welcome speech by Dr. Deepak Sonker, H.O.D of BCA department. In his welcome speech, he asked students to remain focussed and to put their constant efforts to achieve excellence, learn new innovative things and discussed the significance of Machine learning and Python. The workshop was followed by the introduction speech by Mr. Vikas Kalra on Python. He further continued by explaining the benefits of Python in future. The workshop was then carried forward by Mr. Asif Iqbal. He explained the importance and uses of Python with the help of a diagram. He shared his experience and discussed the different platforms available for being a Python expert. He explained the different types of Python platforms. The workshop became more

interesting when he also demonstrated few codes of Python. He then told the various applications in Python. He then explained difference and the analysis between UK French and Python. He then explained data analysis using Python by an example. Also, there was a question-answer round held where Mr. Asif Iqbal and Mr. Vikas Kalra asked few questions related to the topic.

Then workshop was carried forward by Mr. Atma Kumar Rai. He told about Machine Learning and its importance in todays' world. He also told its categories: Supervised, Unsupervised and Reinforcement Learning. He further told about Artificial Neural Network and its three main components: FFNN, CNN, RNN.

In the end of the workshop, there was a question-answer round held where the students clarified their doubts regarding Machine Learning also Mr. Atma Kumar Rai asked few questions related to the topic.

```
5
6   But in Python how to swap two variables?
7   a,b=b,a
8
9   C Lang: Two nos addition
10  #include..
11
12  void main()
13  {
14  int a,b,s;
15  a=5;
16  b=7;
17  s=a+b;
18  .
19  .
20  }
21
22
23      """
```

AI, ML, Python, DS, R, DA, IOT and 500+ Domains   ISO 9001 : 2015

```
34  and variables
35  2.35 Lakhs+ predefined packages: 50 to 10k different functions
36
37  Guru Mantra: Try to give the answers.
38
39
40      """
41  import math    #   #include<math.h>
42  s=math.
43
        factorial(x)        math
        log(x, base)        math
        pow(x, y)           math    n.exe
        pi                  math    12March.py
        ceil(x)             math
        e                   math
        sqrt(x)             math
        acos(x)             math
        acosh(x)            math
        asin(x)             math
```

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C:/Users/HP/Pychar
12

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```

AI, ML, Python, DS, R, DA, IOT and 500+ Domains   ISO 9001 : 2015

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```
PythonWebinar [C:\Users\HP\PycharmProjects\PythonWebinar] - ...\PythonWebinar12March.py [PythonWebinar] - PyCharm
File  Edit  View  Navigate  Code  Refactor  Run  Tools  VCS  Window  Help
```

PythonWebinar12March.py

Project
PythonWebinar   C:\Users\HP
- venv
  - blk1.png
  - CMS_Pickle.py
  - CusMgt.txt
  - Demo_16Aug.py
  - Dev Standards.py
  - FirstClass_29Jul.py
  - Game.py
  - homepage.png
  - icon.png
  - Iterator.py
  - JyotiVidhyapeeth_15Dec
  - L.png
  - LangTransEasy.py
  - LangTranslator.py
  - login.png
  - logo.png
  - mail_logo.png
  - MailProject.py
  - Notepad Project.py
  - P1.py
  - P2.py
  - P3.py

```
75   program on one OS and then compile the program on same OS. Now if the
76   compiled file can be executed on any OS then we say our language or
77   technology is Platform Independent.
78
79   Adobe: Photoshop: 30k to 40k
80   Actual code won't be provided to client.
81
82   exe file
83   compiled code
84
85   C Lang, Java, Php, Python program, if we open in notepad: whether file
86   will be opened: Yes file will be opened and any body can read the code.
87   """
```

Run: PythonWebinar12March

```
C:\Users\HP\AppData\Local\Programs\Python\Python36\python.exe
  C:/Users/HP/PycharmProjects/PythonWebinar/PythonWebinar12March.py
720

Process finished with exit code 0
```

IDE and Plugin Updates: PyCharm is ready to update. (47 minutes ago)   3 chars 79:22 n/e UTF-8:

Vikas Kalra (Guest)

AI, ML, Python, DS, R, DA, IOT and 500+ Domains   ISO 9001 : 2015

+78   IJ   VK Vikas Kalra (Guest)   kartik kapoor   PP PRANAV PURI   RG RIYA GUPTA   PB PRATEEK BANSAL   AR ANANT RAGHAV   A

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46:40   Leave

AB ANKUR BANSAL   AI ASIF IQBAL (Guest)   A Aptron (Guest)

mudit markan   VJ VASU JAIN   AK AVINASH KUMAR

NC naman chopra   DB DEEPANSHI BANSAL   AY Ambooj Yadav

+71   VN   NG   YS   SB   IJ   IB   A

Participants   ×

Type a name

Share invite

▾ Attendees (89)

A   anadita
AP   abhinav pal
AM   ABHISHEK MALHOTRA
      External
AR   ABHISHEK ROY
      External
AG   aditya goyal
AT   aditya tiwari
AJ   anjali jain
AB   Ankita Bajpai
      External
AB   ANKUR BANSAL
      External
AG   ansh gupta
      ANSHUL RAWAT

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Learning Outcomes:

These are the following outcomes of the Seminar

- The students learnt about how to develop the application using Python language.
- They learnt about the rules of Artificial intelligence.
- They learnt uses of python in different areas.
- They learnt about the Data Analysis using Python Machine learning.

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Workshop on Application Development uses Python

BCA   SEM-1st   Shift-I   Div A   Session 2020-21

S.no.	Enrollment No.	Student Name
1	00117002020	ABHISHEK MALHOTRA
2	00217002020	ABHISHEK ROY
3	00617002020	ANKUR BANSAL
4	00717002020	ANSHUL RAWAT
5	00817002020	ANURAG BHARDWAJ
6	00917002020	ARCHIT CHAWLA
7	01017002020	AVI MITTAL
8	01117002020	AYUSHI PANWAR
9	01217002020	CHIRAG AGGARWAL
10	01317002020	DEEPANSHI BANSAL
11	01417002020	DEV ARYA
12	01517002020	DHRUV RAWAT
13	01617002020	DISHANK JAIN
14	01817002020	HARSH AGGARWAL
15	01917002020	HARSH TANWAR

16	02017002020	HARSHIT GOYAL
17	02117002020	HARSHIT SAINI
18	02217002020	ISHIKA GULATI
19	02317002020	ISHTI JAIN
20	02417002020	JETHIN THOMAS
21	02517002020	KUNAL KUMAR
22	02617002020	NAKUL BAJAJ
23	02717002020	NAKUL GUPTA
24	02817002020	NIKHIL CHAURASIA
25	02917002020	PRANAV PURI
26	03017002020	PRATEEK BANSAL
27	03117002020	PRIYANSHI JAIN
28	03317002020	RISHABH JAIN
29	03417002020	RIYA GUPTA
30	03517002020	SANYA VERMA
31	03617002020	SANYAM
32	03717002020	SHIVANI
33	03817002020	SHRISH KASHYAP
34	03917002020	SHUBHAM
35	04017002020	SMARTH RAHEJA
36	04117002020	SUDIPTO BHUKTA
37	04217002020	SUKRITI KALRA
38	04317002020	UJJWAL
39	04417002020	VASU JAIN
40	04517002020	VIPIN
41	04617002020	YASH SHARMA

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BCA SEM-4th Shift-I Div A Session 2020-21		
S.no.	**Enrollment No**	**Students Name**
1	00117002019	MANAV GUPTA
2	00217002019	SHIVAM BHANDARI
3	00317002019	ANANDITA
4	00417002019	YASH PARASHAR
5	00517002019	VANSHITA VERMA
6	00617002019	NITIKA BHOLA
7	00717002019	ISHA BATRA
8	00917002019	DARSH VERMA
9	01017002019	AYUSH JAGGA
10	01117002019	SHUBHAM CHAUDHARY
11	01217002019	TUSHAR SOHAL
12	01317002019	YASH BISHT

S.No.	Enrollment No	Students Name
13	01417002019	SHIVAM THAKRAN
14	01617002019	ADITYA GOYAL
15	01717002019	BHUMIKA GOGNA
16	01817002019	SANTOSH VERMA
17	01917002019	ANJALI JAIN
18	02017002019	ADITYA TIWARI
19	02117002019	ROHIT VERMA
20	02217002019	ABHINAV PAL
21	02317002019	ROHANDEEP
22	02417002019	DIKSHA DUREJA
23	02517002019	KESHAV GULATI
24	02617002019	VANSHIKA AGGARWAL
25	02817002019	KUNIKA MAINDOLA
26	02917002019	SUSHANT KUMAR JHA
27	03017002019	ASHIMA KHURANA
28	03117002019	KAREENA GABA
29	03217002019	TUSHAR THAPLIYAL
30	03317002019	HARSHIT BANSAL
31	03417002019	DEEPANSHU
32	03517002019	NAMAN JAIN
33	03617002019	ANSH GUPTA
34	03717002019	CHAHAT
35	03817002019	GAURAV SHARMA
36	03917002019	VARSHA PANDEY
37	04117002019	YASH THAKUR
38	04317002019	MUDIT MARKAN
39	04417002019	GAURAV SETHI
40	04517002019	SARA NEGI
41	04617002019	BHAVYA AGGARWAL
42	04717002019	DEEPANSHU TOMAR
43	04817002019	KARTIK KAPOOR
44	04917002019	GEETANSHI ARORA
45	35117002019	SARTHAK SAXENA
46	35217002019	PRACHI GARG
47	35317002019	DIVISH MANUJA
48	35417002019	NAMAN CHOPRA
49	35517002019	YAMINI MISHRA

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Workshop on Application Development uses Python		
MCA SEM-6th Shift-I&II Div A Session 2020-21		
S.No.	Enrollment No	Students Name
1	35117004418	ANKITA BAJPAI

2	35217004418	ASHIKA KARIWAL
3	35317004418	GAURAV KRISHAN
4	35417004418	RASHMI
5	90117004418	SUSHMITA
6	00317024419	VANSHIKAA SHARMA
7	00517024419	VAIBHAV SHARMA
8	00321324419	Himanshu Dua