Date: 15th & 16th, June, 2021

Venue: Online Event (KLEF)

PYTHON WORKSHOP

Description of the Event:

On June 15th and 16th 2021, KLEF-CEA had conducted "PYTHON WORKSHOP". This workshop is conducted in the presence of Dr. Siva Kumar pathuri, ASSOC Professor Department of CSE, KL University ON JUNE 15th and Dr. V.Uday Kumar, Assistant Professor Department of CSE, KL University, Vaddeswaram on June 16th. In this workshop many of the participants learnt python basics by attending.

In this workshop many of the participants learnt python basics with the help of Dr.Siva Kumar Pathuri sir and Dr. V. Uday Kumar sir and Sir discussed about the history of the pyhon, uses of the python, different types of python software and how to install python software. But for this workshop they explained python in Online Gdb on the first day for the participants convenient .They explained data types, conditions, loops, arrays, strings, list…etc and they also explained how these topics are use in their jobs for their future scope. They explained some examples and some tutorials on the topics. We hope that these topics are useful to all the participants who attend this workshop.

At the end of the meeting participants actively participated in clarifying their doubts with the help of K.V.N Murthy sir. We have successfully conducted the webinar through WEBEX meetings.

Benefits:

➢ Participants learnt python basics which helps them in future.

➢ Participants know about how to use python software and how to write coding in python language.

No. of Volunteers Involved for the Event: 12

Event Photos:

Day1:-

Day-2:

The screenshots show a Cisco Webex meeting with shared screens covering Python built-in datatypes and list operations.

Screen 1: PYTHON BUILTIN DATATYPES

```
PYTHON BUILTIN DATATYPES

1. LIST
2. TUPLE
3. SET
4. DICTIONARY
```

BUILT IN	REPRESENTATION	ORDERED	MUTABLE	DUPLICATES

Screen 2: IDLE output (list1.py)

```
elements of n are [1, 2, 3, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12]
elements of n are [1, 2, 3, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 123]
elements in list k are [2, 9, 12, 23, 34, 45, 78]
Traceback (most recent call last):
  File "D:/python programs/list1.py", line 24, in <module>
    k.sort(reverse=true)
NameError: name 'true' is not defined
>>>
==================== RESTART: D:/python programs/list1.py ====================
elements of list are [1, 2, 3, 'uday', 23.5]
first element of list is  1
elements of list are [1, 2, 3, 3456, 23.5]
list of elements of m are  [45, 67, 'sai', 45.8, 45, 67]
sum of elements of list is 31
first occurence of element 3 is  2
minimum value of list n is 1
elements of n are [1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12]
elements of n are [1, 2, 3, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 123]
elements in list k are [2, 9, 12, 23, 34, 45, 78]
elements in list k are [78, 45, 34, 23, 12, 9, 2]
>>>
```

Screen 3: list1.py source code

```python
#All basics of list
l=[1,2,3,"uday",23.5]#this is list l
print("elements of list are",l)
print("first element of list is ",l[0])#printing element at index zero

l[3]=3456
print("elements of list are",l)
m=[45,67,"sai",45.8,45,67]#this is list m
print("list of elements of m are ",m)
#list methods
n=[1,2,3,3,4,5,6,7]
print("sum of elements of list is",sum(n))
print("first occurence of
```