



## AUTONOMOUS

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### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

#### A REPORT ON "Python 3.4.3"

1	<b>Name of the Activity/Event</b>	Certificate course on " PYTHON 3.4.3 "		
2	<b>Date of Activity/Event</b>	14/06/2021 To 17/06/2021 Test Date: 22.06.2021		
3	<b>Organized by</b>	Department of Electronics and Communication Engineering		
4	<b>Place of Activity/event</b>	DSP Lab		
5	<b>Resource persons / guest / organization</b>	Spoken Tutorial IIT Bombay		
6	<b>Type of activity/Event</b>	Certificate Course		
7	<b>Activity/Event objectives</b>	<ul style="list-style-type: none"> <li>This course aims at providing an opportunity for students to enrich their knowledge and skill in developing various solutions for solving engineering problems in the society.</li> <li>This program serves as a platform for students to work with the recent trends in Python and to apply knowledge of PYTHON in various fields.</li> </ul>		
8	<b>Participation</b>	Students	Faculty	Total Participation
		100	-	100
9	<b>General remarks</b>	<ol style="list-style-type: none"> <li>To learn the concept of PYTHON</li> <li>To Understand PYTHON operators, functions</li> <li>To know PYTHON related functions</li> <li>To know positional and keyword arguments</li> <li>To learn Basic simple programs.</li> </ol>		
10	<b>Suggested Improvements</b>	Need Hands-on session and more real time examples.		
11	<b>Enclosures</b>	<ol style="list-style-type: none"> <li>Program report with Snapshots</li> <li>Attendance sheet</li> <li>Certificates</li> </ol>		
12	<b>Signature of Resource Person</b>			

The Electronics and Communication Engineering department has organized a **Certificate course** on “**PYTHON Test**” from **14/06/2021 To 17/06/2021**, in Association with Spoken Tutorial IIT. The II B.Tech students from the ECE department had attended this Certificate course. Total of **100** students participated in this course. The final test was conducted on 22.02.2021.

**PYTHON** is a general-purpose programming language that is extremely popular, simple, and flexible to use. It is a structured programming language that is machine-independent and extensively used to write various applications, Operating Systems like Windows, and many other complex programs like Oracle database, Git, Python interpreter, and more, delivered by the person in introduction part to the students.

On the first day the Session started with Python basic commands like `#include <stdio.h>`:This command includes standard input output header file(`stdio.h`) from the python library before compiling a PYTHON program.,`intmain()`:It is the main function from where Python program execution. it Indicates the beginning of the main function.,`/*_some_comments_*/`:Whatever written inside this command “`/*_*/`” inside a Python program, it will not be considered for compilation and execution.,`printf(“Hello_Python! “)`:This command prints the output on the screen.,`getch()`:This command is used for any character input from keyboard.,`return 0`; This command is used to terminate a Python program (main function) and it returns 0., `}`:It is used to indicate the end of the main function.

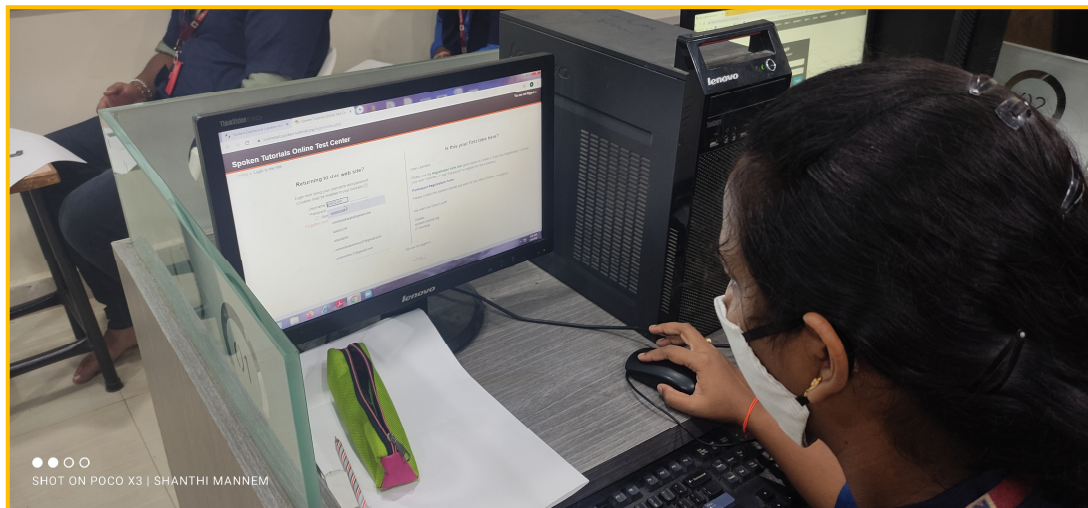
The next session began with Tokens, Introduction to tokens and simple programs which related to simple programs. And also discussed various data types in Python programming like int, float, char and double and also some simple programs also given by the instructor itself. Students also practiced the programs which are given by the instructor.

The following session continued with the Computing Trends which includes Functions ,introduction to function and syntax for declaration of a function, functions with arguments and also they saw some programs virtually which

were given by the instructor. After that they gone through how to return type function name, calling a function and how to rectify errors.



***Students are participating in writing online certificate exam***



***Students writing online certificate exam in spoken tutorial site***

Confidentiality were discussed with real time examples and the session was made really interactive by providing an opportunity to suggest a solution to real life scenario with the help of videos which were given by the resource person from IIT Bombay.

Later on the course was planned to provide hands on experience with Python Test. Students were introduced to the test instruction by the instructor and the invigilator, finally students attended the test on 22nd June 2021.