

Department of Information Communication & Technology

# Report On

# Value Added Course: Certificate Course in Python

# **ACTIVITY : Value Added Course**

TITLE : Certificate Course in Python

VALUES: Domain Knowledge; Modern Tool Usage; Professional Ethical Edification

# LEARNING OUTCOMES: .

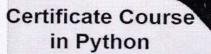
- Understand fundamental programming
- Work with user input to create fun and interactive programs
- Create games with images, animations and audio using Python library
- To learn design and learn program applications

Organized by : Department of Information Communication & Technology

Program Theme : Value Added Course Python

Internal Expert : Ms. Ambooj

Date	: 12-06-2021 to 29-6-2	.021	1.2.19
Time	: 5:00 – 7:00pm		
Venue	: Online MS Team		
Poster/Fly	/er		14
ł	TECNIA	Department of Information Communication & Technology	- #



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#### Preface:

Value Added Course are augmented as per NEP 2020; Envisage Modern Tool Usage, Learners to up-skill their skillsets; Bridging the gap between academia and corporate requirements; VAC Certificate In Office Automation will ne able to attain as under:-

- Broadening of Domain Knowledge
- Apply techniques of appropriate software's validation
- Acquire technical skills to lead as productive IT Professional
- Enhancing Employability

#### Learning Outcomes:

At the end of this Course student will be able to:

- Understand fundamental programming.
- Work with user input to create fun and interactive programs.
- Create games with images, animations, and audio using Python Library.
- To learn design and program Python applications.

## Note:

- Batches will commence w.e.f 12.06.2021 at 05:00 PM.
- Each batch shall comprise of 60 students only. Minimum 75% attendance is required by the candidate
- for assessment. Assessment will be made on the basis of Viva Voce on
- 30/6/2021.
- Successful learners after assessment will get the certificate of the VAC.

**Duration: 30 Hours** Timing: 5:00 to 7:00 P.M **Online Mode** 

python

**Resource** Person Ms. Ambooj

Registration Date: 31.05.2021

### VAC Contents :

Introduction to Python. (1 Hr)

Control Flow and Loops. (2 Hr)

- Data Structures. (3 Hr) Functions and Modules. (3 Hrs)
- File Handling, (4 Hrs) Object-Oriented Programming (OOP). (4 Hrs) Error Handling and Debugging. (4 Hrs) Advanced Topics in Python. (3 Hrs)
- File I/O and Scrialization. (3Hrs)
- Python Standard Library. (3 Hrs)

For any queries related for the VAC Certification course, Please Feel Free to Contact Ms. Sania VAC Coordinator (9821713486)

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<b>Social media link</b> (promoting in any one Facebook/Instagram/Twitter is mandatory)	https://www.instagram.com/tecniaofficial?ig h=MXdxdzZwb2EwaWszNg==
<b>No. of Students</b> (only no. to be written, list in excel or word should be maintain at department level as proof for any further requirement)	35
<b>No. of Faculty</b> (only no. to be written , list in excel or word should be maintain at department level as proof for any further requirement)	01
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	The course on Python Programming wa organized with the objective of introducin participants to the fundamentals of Pytho programming language and its applications across various domains. The course aimed to equi attendees with essential skills and knowledge t pursue careers in software development, dat science, artificial intelligence, and other emergin fields.
eport: Description in (min 250 to max 800 ords)	Interactive programming sessions were conducted to engage participants in hands-on codin exercises, covering topics such as variables, dat structures, control flow, functions, and object oriented programming. Participants worked on practical coding challenges, enabling them to apply theoretical concepts and enhance their
	problem-solving skills. Sessions were dedicated to exploring popula Python libraries and frameworks used in various domains. Topics included web development with Django or Flask, data analysis and visualization

	artificial intelligence with TensorFlow and scikit- learn, and automation with libraries like Selenium and Beautiful Soup. Feedback from attendees was overwhelmingly positive, with many expressing appreciation for the hands-on learning approach and practical relevance of the content. It is anticipated that course will inspire participants to further explore Python and pursue opportunities for personal and professional development in the field of technology.
Resource Person Profile	Ms. Ambooj is working in Tecnia Institute of Advanced Studies as an Assistant Professor, she has 2 years of teaching experience, her expertise is on DBMS, OOPS, Computer Networks
Attendance Sheet	Attached
Feedback -	Sample feedback Attached
<b>Report Submitted by VAC Coordinator</b> (Write faculty coordinator name)	Ms. Sania
For Office Use	
Signature of VAC Coordinator	Signature of Department Head (With Seal) HOD BOA-TIAS