

Statement of Achievement

# PCAP: Programming Essentials in Python

The graduate of the *PCAP: Programming Essentials in Python* course, provided by **Cisco Networking Academy®** in collaboration with **OpenEDG Python Institute**:

- knows the universal concepts of computer programming, including variables, data structures, algorithms, control flow, functions, and exceptions;
- can proficiently use the developer tools, the runtime environment, and the syntax and semantics of the Python language;
- can use fundamental programming techniques, best practices, customs, and vocabulary, including the most common standard library functions in Python 3;
- can write Python programs using standard language infrastructure, and knows the means by which to resolve typical implementation problems;
- knows how to work with modules and packages, process text and binary files, and use generators, iterators, and closures;
- understands the fundamentals of object-oriented programming (OOP) and the way they are adopted in Python.

**Aditi Thakur**

Student

*Aditi Thakur*

Maciek Wichary  
VP & CEO, OpenEDG

**12 Jul 2023**  
Date



*Dr. Seaman Singh*  
*NIELIT Chandigarh*

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**Ajay Kumar**

Student

*Maciek Wichary*

Maciek Wichary  
VP & CEO, OpenEDG



**31 Jul 2023**

Date

*Dr. Sarwan Singh*  
NIET Chandigarh



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**Amanpreet Singh**

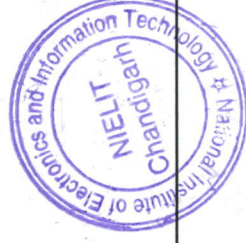
Student



Maciek Wichary  
VP & CEO, OpenEDG

19 Jul 2023

Date



Dr. Sarwan Singh  
NIETT Chandigarh

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**Anish Soni**

Student




Maciek Wichary  
VP & CEO, OpenEDG



**20 Jul 2023**

Date

  
Dr. Saowan Singh  
NIELIT Chandigarh



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**Anmolpreet Singh**

Student

*Maciek Wichary*

Maciek Wichary  
VP & CEO, OpenEDG



**8 Jul 2023**

Date

*Dr. Sarwan Singh*  
NIELIT Chandigarh

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**Anshika Sharma**

Student


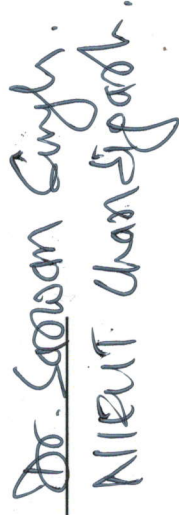


Maciek Wichary  
VP & CEO, OpenEDG



**20 Jul 2023**

Date



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**Arnav Anand**

Student

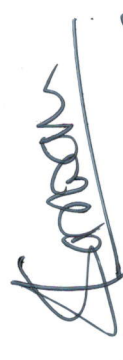


Maciek Wichary  
VP & CEO, OpenEDG



**9 Jul 2023**

Date

  
Dr. Suman Singh  
NIELIT Chandigarh

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**Arshdeep Kaur**

Student

*Arshdeep Kaur*

Maciek Wichary  
VP & CEO, OpenEDG



**13 Jul 2023**

Date

*Arshdeep*  
*Dr. Sohan Singh*  
*NIELIT Chandigarh*