

# CERTIFICATE OF PARTICIPATION

is hereby  
presented to:



DICT

*Joshua Vincent C. Manacis*

for having successfully participated the Webinar entitled:

## PYTHON PROGRAMMING FOR BEGINNERS

*(credit of three [3] hours training)*

conducted during the celebration of 2022 National ICT Month

with the theme:

**SPARK. STRENGTHEN. SUSTAIN. ADVANCING THE PH DIGITAL AGENDA**

Given this 9th day of June 2022.



DJPHR3-WEB-2022-0609-224

  
**ENGR. REYNALDO T. SY**

Regional Director  
DICT Region 3



QR Code

# CERTIFICATE OF COMPLETION

*This certifies that*

**Joshua Vincent Manaois**

has completed

**Programming for Beginners Using Python**

By Department of Information and Communications Technology  
through the Modern Academics Convergence Hub (MACH)  
on August 17, 2022

Training Hours: 4



Maria Lourdes P. Aquilizan

OIC - Director IV

ICT Literacy and Competency Development Bureau



CN: ccd27cd8-95ad-4230-a470-0a33090149d4



# CERTIFICATE OF COMPLETION

*This certifies that*

**Joshua Vincent Manaois**

has completed

## **Programming for Intermediate Users Using Python**

By Department of Information and Communications Technology  
through the Modern Academics Convergence Hub (MACH)  
on August 22, 2022

Training Hours: 4

  
Maria Lourdes P. Aquilizan

OIC - Director IV

ICT Literacy and Competency Development Bureau



CN: 2971271b-7169-41cd-abb2-8f699a3b7168



QR Code

# CERTIFICATE OF COMPLETION

*This certifies that*

**Joshua Vincent Manaois**

has completed

**Learn Basic Statistics with Python**

By Department of Information and Communications Technology  
through the Modern Academics Convergence Hub (MACH)  
on August 31, 2022

Training Hours: 4

  
Maria Lourdes P. Aquilizan

OIC - Director IV

ICT Literacy and Competency Development Bureau



CN: 8f4a21c3-75a7-4a72-bb94-0910be8c3b64



# CERTIFICATE OF COMPLETION

*This certifies that*

**Joshua Vincent Manaois**

has completed

**Analyze Data with Python**

By Department of Information and Communications Technology  
through the Modern Academics Convergence Hub (MACH)  
on September 05, 2022

Training Hours: 4

  
Maria Lourdes P. Aquilizan

OIC - Director IV

ICT Literacy and Competency Development Bureau



CN: 5d19a310-6751-46d9-aadc-617ea7bc0108



# CERTIFICATE OF COMPLETION

*This certifies that*

**Joshua Vincent Manaois**

has completed

**Visualize Data with Python**

By Department of Information and Communications Technology  
through the Modern Academics Convergence Hub (MACH)  
on September 14, 2022

Training Hours: 4

  
Maria Lourdes P. Aquilizan

OIC - Director IV

ICT Literacy and Competency Development Bureau



CN: 5f860800-d805-45a0-a926-bbd76029b268

# COURSE COMPLETION CERTIFICATE

Verification ID number: DK74632



development academy  
of the philippines

This certificate is issued to

**Joshua Vincent C. Manaois**

for successfully completing the course

**Getting Grounded on Analytics**

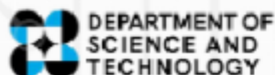
under the project Smarter Philippines through Data Analytics, Research and Development, Training, and Adoption (SPARTA) implemented by the Development Academy of the Philippines.

Issued on the 19th day of September 2022.

Training Hours: 3 hours

  
**ATTY. ENGELBERT C. CARONAN, JR., MNSA**

President and CEO  
Development Academy of the Philippines



DEPARTMENT OF SCIENCE AND TECHNOLOGY  
PHILIPPINE COUNCIL FOR INDUSTRY, ENERGY,  
AND EMERGING TECHNOLOGY RESEARCH AND DEVELOPMENT  
(DOST-PCIEERD)



**ANALYTICS**  
Association of the Philippines





# COURSE COMPLETION CERTIFICATE

Verification ID number: LI55024



development academy  
of the philippines

This certificate is issued to

**JOSHUA VINCENT C. MANAOIS**

for successfully completing the course

**Data Science and Machine Learning Using Python**

under the project Smarter Philippines through Data Analytics, Research and Development, Training, and Adoption (SPARTA) implemented by the Development Academy of the Philippines.

Issued on the 20th day of October 2022.

Training Hours: 8 hours

A handwritten signature in black ink, reading "Engelbert C. Caronan, Jr.".

**ATTY. ENGELBERT C. CARONAN, JR., MNSA**

President and CEO  
Development Academy of the Philippines



DEPARTMENT OF SCIENCE AND TECHNOLOGY  
PHILIPPINE COUNCIL FOR INDUSTRY, ENERGY,  
AND EMERGING TECHNOLOGY RESEARCH AND DEVELOPMENT  
(DOST-PCIEERD)



**ANALYTICS**  
Association of the Philippines





# COURSE COMPLETION CERTIFICATE

Verification ID number: GN13535



development academy  
of the philippines

This certificate is issued to

**JOSHUA VINCENT C. MANAOIS**

for successfully completing the course

**Deep Learning Using Python**

under the project Smarter Philippines through Data Analytics, Research and Development, Training, and Adoption (SPARTA) implemented by the Development Academy of the Philippines.

Issued on the 28th day of October 2022.

Training Hours: 8 hours

A handwritten signature in black ink, reading "Engelbert C. Caronan, Jr.".

**ATTY. ENGELBERT C. CARONAN, JR., MNSA**

President and CEO  
Development Academy of the Philippines



DEPARTMENT OF SCIENCE AND TECHNOLOGY  
PHILIPPINE COUNCIL FOR INDUSTRY, ENERGY,  
AND EMERGING TECHNOLOGY RESEARCH AND DEVELOPMENT  
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