



000883



# CERTIFICATE OF COMPLETION

This is to certify that

**Hannan Balqis Binti Zainudin**

has successfully  
completed the 12-week programme in

## **Peneraju Teknologi Machine Learning Untuk Siswazah**

### **MACHINE LEARNING**

Module 1: An Overview of Python  
Module 2: Running Python Scripts  
Module 3: Getting Started  
Module 4: Flow Control  
Module 5: Sequence Data  
Module 6: Defining Functions  
Module 7: Working with Files  
Module 8: Dictionaries and Sets  
Module 9: Errors and Exception Handling  
Module 10: Using Modules  
Module 11: Regular Expressions  
Module 12: Highlights of the Standard Library

Module 13: Python Classes  
Module 14: Python for Data Analysis – NumPy  
Module 15: Python for Data Analysis – SciPy  
Module 16: Python for Data Analysis – Pandas  
Module 17: Python for Data Visualization  
Module 18: Machine Learning Concepts  
Module 19: Linear Regression  
Module 20: Logistic Regression  
Module 21: K Nearest Neighbors  
Module 22: Decision Trees and Random Forests  
Module 23: Support Vector Machines  
Module 24: K Means Clustering  
Module 25: Principal Component Analysis

### **NURTURE AND DEVELOPMENT PROGRAMME (NDP)**

Lead the Way: Navigating Your Journey to Leadership  
Speak to Succeed: Elevating Your Professional Communication Skills

Professor Dato' Haji Nazaruddin Bin Abdul Jalil  
Chairman - Board of Governors  
IEG Campus

Ibrahim Sani  
Chief Executive Officer  
Yayasan Peneraju

Date of Issue: 12/10/2024