

KOENIG SOLUTIONS • COURSE OUTLINE

AI & GenAI for Users: ML Basics & ChatGPT

Learn to apply AI, machine learning and generative AI tools such as ChatGPT to everyday business tasks using Excel and OpenAI.

3 Days

8 HOURS A DAY

5

MODULES

21

TOPICS

5

HANDS-ON ACTIVITIES

COURSE OVERVIEW

This bootcamp is tailored for non-technical (end users) professionals who want to understand the capabilities of AI and Generative AI without delving into technical intricacies. Participants will gain practical insights into AI applications relevant to their business needs.

WHO THIS COURSE IS FOR

Business Professionals

End Users

Non-Technical Staff

Data Analysts

Managers

LEARNING OBJECTIVES

- Explain AI concepts and their real-world applications
- Apply data manipulation and visualisation techniques in Excel
- Describe computer vision and Natural Language Processing concepts
- Compare Linear Regression, Logistic Regression and Decision Trees
- Identify uses of Naive Bayes for classification tasks
- Explain K-Means Clustering and Support Vector Machines
- Apply Principal Component Analysis for dimensionality reduction
- Utilise ChatGPT and OpenAI tools for text, code and image tasks

5 Modules, 21 Topics

01

Knowledge Check

Introduction to AI and Data Analysis with Excel

TOPICS

- Understanding AI concepts and applications in real-world scenarios
- Introduction to data analysis using Microsoft Excel
- Basic data manipulation, filtering, and visualization in Excel

02

Knowledge Check

AI Fundamentals

TOPICS

- Overview of AI principles and methodologies
- Understanding various AI applications and use cases
- Exploring computer vision and Natural Language Processing (NLP) concepts

03

Knowledge Check

Essential Machine Learning Concepts

TOPICS

- Overview of Machine Learning and its role in AI
- Basic statistics and mathematics for Machine Learning
- Introduction to Feature Selection
- Linear Regression and Logistic Regression
- Introduction to Decision Trees and Random Forests
- Naive Bayes for classification

04

Knowledge Check

Exploring Machine Learning Techniques

TOPICS

- Introduction to K-Means Clustering for data segmentation
- Understanding Support Vector Machines (SVM) for classification
- Principal Component Analysis (PCA) for dimensionality reduction
- Introduction to Recommendation Systems

Implementing Generative AI Solutions with OpenAI

TOPICS

- Understanding OpenAI and its applications
- Overview of OpenAI libraries and models
- Utilizing ChatGPT for various tasks
- Introduction to text and code completion using AI
- Brief on image generation with AI

HANDS-ON ACTIVITIES

Practise What You Learn

#	MODULE	ACTIVITY
01	Introduction to AI and Data Analysis with Excel	Knowledge check (quiz)
02	AI Fundamentals	Knowledge check (quiz)
03	Essential Machine Learning Concepts	Knowledge check (quiz)
04	Exploring Machine Learning Techniques	Knowledge check (quiz)
05	Implementing Generative AI Solutions with OpenAI	Knowledge check (quiz)

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

FLEXIBLE DELIVERY

Learn the Way That Suits You

Classroom Training

Live Online Classes (ILO)

Fly-Me-A-Trainer (FMAT)

Flexi (Self-Paced)

1-on-1 Training

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