

AI & Generative AI Bootcamp for End Users

Course Duration: 03 days

No. of Hours: 8 hr/day

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.

Day 1: Introduction to AI and Data Analysis with Excel

- Understanding AI concepts and applications in real-world scenarios.
- Introduction to data analysis using Microsoft Excel.
- Basic data manipulation, filtering, and visualization in Excel.
- Knowledge check (quiz)

Day 2: AI Fundamentals

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

Day 3: Essential Machine Learning Concepts

- 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.
- Knowledge check (quiz)

Day 4: Exploring Machine Learning Techniques

- 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.
- Knowledge check (quiz)

Day 5: Implementing Generative AI Solutions with OpenAI

- 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.
- Knowledge check (quiz)